

Ventile Metall

Messing, Edelstahl, Stahl

Vannes en métal

Laiton, acier inoxydable,
acier

Valves in metal

Brass, stainless steel, steel



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Ventile Messing M
Vannes laiton M
Valves brass M

Ventile Messing G
Vannes laiton G
Valves brass G

Durchgangshahn
Vanne simple à passage direct
Total-flow cock

518



SO PV 08E01

Ventile Edelstahl
Vannes acier inoxydable
Valves stainless steel

Regulierventil
Vanne de réglage
Regulating valve

481-485



SO NV 41A21

Regulierventil
Vanne de réglage
Regulating valve

505-507



SO NV 01A21

Feinregulierventil
Vanne de réglage fin
Fine regulating valve

486



SO NV 41C21

Feinregulierventil
Vanne de réglage fin
Fine regulating valve

508



SO NV 01C21

Regulierventil
Vanne de réglage
Regulating valve

519-524



SO NV 51A00

Regulier-Eckventil
Vanne-équerre de réglage
Elbow regulating valve

487-491



SO NV 41A21E

Regulier-Eckventil
Vanne-équerre de réglage
Elbow regulating valve

509-512



SO NV 01A21E

Feinregulierventil
Vanne de réglage fin
Fine regulating valve

525



SO NV 51C00

Feinregulier-Eckventil
Vanne-équerre de réglage fin
Elbow fine regulating valve

492-494



SO NV 41C21E

Feinregulier-Eckventil
Vanne-équerre de réglage fin
Elbow fine regulating valve

513



SO NV 01C21E

Dosierventil
Vanne de réglage de précision
Metering valve

526



SO NV 51D21

Kegelrückschlagventil
Clapet anti-retour à siège conique
Taper seat non-return valve

495-499



SO CV 43A21

Dosier-Eckventil
Vanne-équerre de réglage de précision
Metering elbow valve

513



SO NV 01D21E

Regulier-Eckventil
Vanne-équerre de réglage
Elbow regulating valve

527-530



SO NV 51A21E

Schwenkverschraubung
Coude banjo
Single banjo

500-501



SO 47724

Kegelrückschlagventil
Clapet anti-retour à siège conique
Taper seat non-return valve

514



SO CV 03A21

Feinregulier-Eckventil
Vanne-équerre de réglage fin
Elbow fine regulating valve

531-532



SO NV 51C21E

Mini-Kugelhahn
Mini vanne à bille
Mini-ball valve

502-504



SO BV 48A00

Kugelhahn voller Durchgang
Vanne à bille avec passage total
Ball valve with full flow

517



SO BV 08C00

Kegelrückschlagventil
Clapet anti-retour à siège conique
Taper seat non-return valve

533-537



SO CV 53B21

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Kugelhahn
Vanne à bille
Ball valve

538-542



Ventile Zubehör
Vannes accessories
Valves accessories

SO BV 58A00

Nadelventil
Vanne à pointeau
Needle valve

543-544



Anschraubfuss
Support de fixation
Flange mount

552



SO NV 51B00

SO 09900

Ventile Edelstahl L
Vannes acier inoxydable L
Valves stainless steel L

Handrad
Volant
Handwheel

552



SO 09950

Hochdruck-Kugelhahn SOL
Vanne à bille SOL haute pression
High pressure ball valve SOL

545-547



Ventilschilder (Satz)
Plaques signalétiques (set)
Valve labels (set)

553



SOL BV 58A21

VSD SO NV

Kegelrückschlagventil
Clapet anti-retour à siège conique
Taper seat non-return valve

548



SOL CV 53B21

Ventile Stahl
Vannes acier
Valves steel

Kegelrückschlagventil
Soupape de retenue à siège conique
Taper seat non-return valve

549-551



SO 6611

Ventile Messing M / G
Vannes laiton M / G
Valves brass M / G

Ventile Edelstahl / Edelstahl L
Vannes acier inox / inox L
Valves inox / inox L

Ventile Stahl
Vannes acier
Valves in steel

Sonderausführungen auf Anfrage:
Exécution en option sur demande:
Optional services on request:

-  Spezialreinigung - entfettet
 Traitement spécial - dégraissé
 Special treatment - degreased
-  Spezialbehandlung für Einsatz mit Sauerstoff
 Traitement spécial pour utilisation sous oxygène
 Special treatment for use with oxygen
-  Spezialbehandlung - silikonfrei
 Traitement spécial - sans silicone
 Special treatment - silicone free
-  Vorbeschichtete Gewinde PTFE-Band unwickelt
 Filetages pré enduits avec ruban en PTFE
 Pre-coated threads with PTFE-tape
-  Vorbeschichtete Gewinde mit Loctite 5061
 Filetages pré enduits avec Loctite 5061
 Pre-coated threads with Loctite 5061
-  Chemisch vernickelt
 Nickelage chimique
 Chemical nickel-plated
-  Messing bleiarml
 Laiton à faible teneur en plomb
 Low-lead brass

Bestätigungen auf www.serto.com
Confirmations sur www.serto.com
Confirmations on www.serto.com



Sonderausführungen auf Anfrage:
Exécution en option sur demande:
Optional services on request:

-  Spezialreinigung - entfettet
 Traitement spécial - dégraissé
 Special treatment - degreased
-  Spezialbehandlung für Einsatz mit Sauerstoff
 Traitement spécial pour utilisation sous oxygène
 Special treatment for use with oxygen
-  Spezialbehandlung - silikonfrei
 Traitement spécial - sans silicone
 Special treatment - silicone free
-  Vorbeschichtete Gewinde mit Loctite 5061
 Filetages pré enduits avec Loctite 5061
 Pre-coated threads with Loctite 5061

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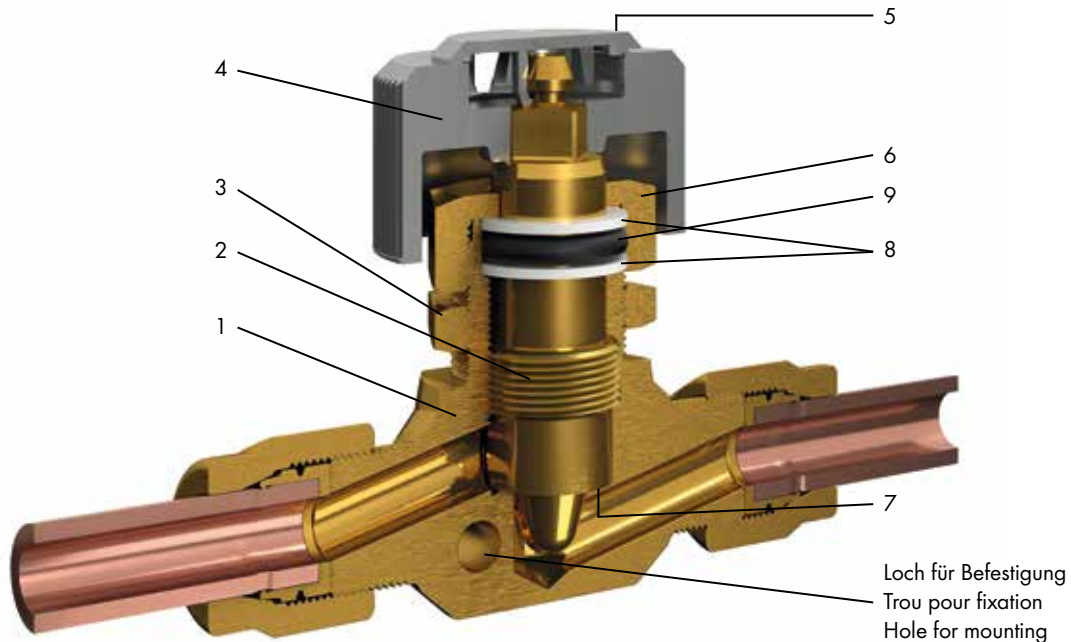
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Regulier- / Feinregulierventil
Vanne de réglage / réglage fin
Regulating / fine regulating valve

SO NV 41A21/E/EB/EL
SO NV 41C21/E/EB/EL

12



| Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material |
|-------------------|---|----------------------------------|-------------------|--|------------------------------------|-------------------|--|----------------------------------|
| 1 | Ventilkörper Corps de vanne Valve body | Messing Laiton Brass | 4 | Handrad (grau) Volant (gris) Handwheel (grey) | Polyamid Polyamide Polyamide | 7* | Spindeldichtung Joint du pointeau Spindle seal | NBR/ PTFE ¹⁾ |
| 2 | Ventilspindel Pointeau de vanne Valve spindle | Messing Laiton Brass | 5* | Ventilschild (grau) Plaque indicatrice (gris) Valve label (grey) | Polyamid Polyamide Polyamide | 8 | Dichtscheibe Rondelle de joint Sealing washer | PVDF |
| 3 | Kontermutter Contre-écrou Counter nut | Messing Laiton Brass | 6* | Ventilkappe Bouchon presse-étoupe Valve cap | Messing Laiton Brass | 9 | Dichtung Joint Seal | NBR |

Spezifikationen

Betriebsdruck (PN): 50 bar
 Temperatur: -20°C bis +80°C
 Sicherheitsfaktor: 1.5-fach

Merkmale

- Funktion: Regulier- und Absperrventil
- Einsatz: Luft, Wasser, Öle und Flüssiggase (Beständigkeit Dichtung beachten)
- Material: Messing CW617N (CuZn40Pb2)
- Besonderes: kompakte Abmessungen, hohe Zuverlässigkeit

¹⁾ Regulierventil = NBR
 Feinregulierventil = PTFE

*** Optionen**

- Nr. 5 - Ventilschild wahlweise auch in den Farben blau, rot und grün, siehe VSD SO NV
- Nr. 6 - Drehmoment für Ventilkappe bei Schalttafelmontage = 3.4 Nm
- Nr. 7 - nur Regulierventil: EPDM, FKM
- Nr. 9 - Regulier-/Feinregulierventil: EPDM, FKM
- Varianten: mit Übergangsmuffe SO 40030 oder Übergansnippel SO 40040

Spécifications

Pression de service (PN): 50 bar
 Température: -20°C à +80°C
 Facteur de sécurité: 1.5 fois

Caractéristiques

- Fonction: vanne de régulation et de retenue
- Application: air, eau, huiles et gaz liquéfiés (tenir compte de la résistance de l'étanchéité)
- Matériau: laiton CW617N (CuZn40Pb2)
- Particularités: dimensions compactes, grande fiabilité

¹⁾ Vanne de réglage = NBR
 Vanne de réglage fin = PTFE

*** Options**

- No. 5 - Plaques au choix disponible en couleurs bleu, rouge et vert, voir VSD SO NV
- No. 6 - Couple de serrage pour bouchon de vanne dans tableau de commande = 3.4 Nm
- No. 7 - Vanne de réglage: EPDM, FKM
- No. 9 - Vanne de réglage/réglage fin: EPDM, FKM
- Autres versions: avec adaptateur femelle SO 40030 ou mâle SO 40040

Specifications

Working pressure (PN): 50 bar
 Temperature: -20°C to +80°C
 Safety factor: 1.5 times

Characteristics

- Function: regulating and stop valve
- Uses: air, water, oils and liquid gases (check resistance of seal)
- Material: brass CW617N (CuZn40Pb2)
- Special: compact dimensions, high reliability

¹⁾ Regulating valve = NBR
 Fine regulating valve = PTFE

*** Options**

- No. 5 - Valve labels also available in colors blue, red and green, see VSD SO NV
- No. 6 - Torque for valve cap in panel mounting = 3.4 Nm
- No. 7 - Regulating valve only: EPDM, FKM
- No. 9 - Regulating/fine regulating valve: EPDM, FKM
- Other versions: with female SO 40030 or male adaptor SO 40040

Durchflussdiagramm

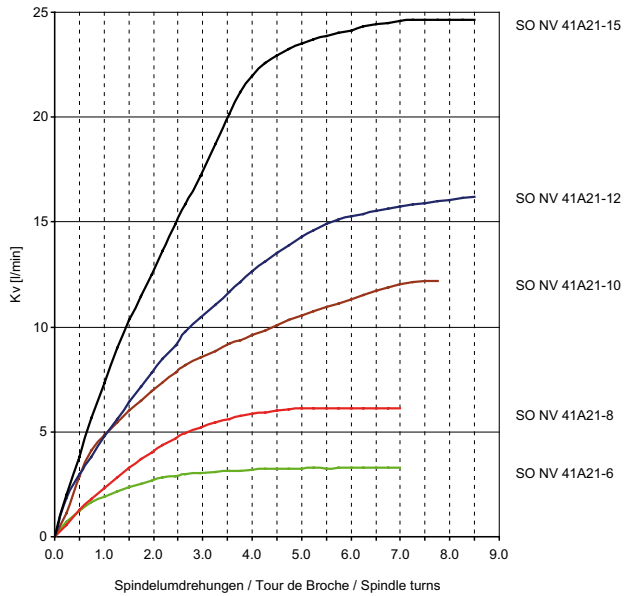
Courbe de débit

Flow rate

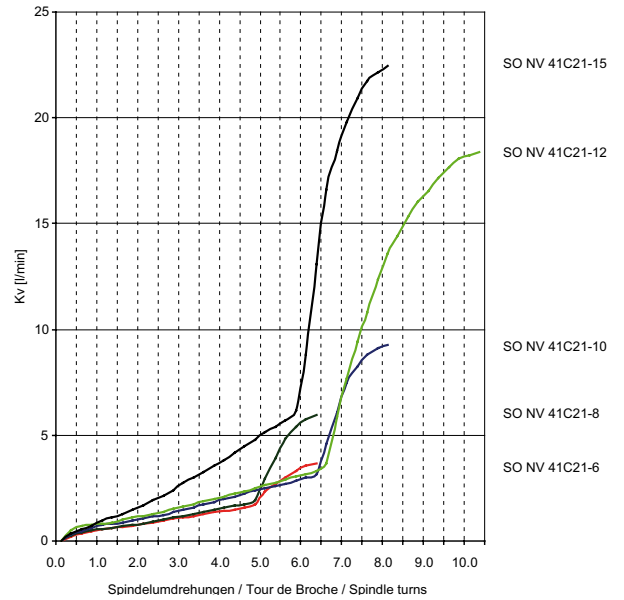
Reguliertventile / Vannes de réglage / Regulating valves

Feinreguliertventile / Vannes de réglage fin / Fine regulating valves

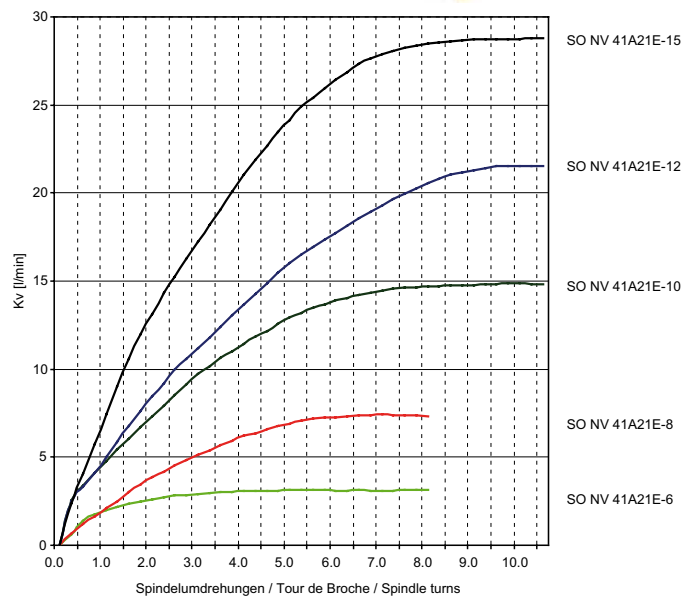
SO NV 41A21



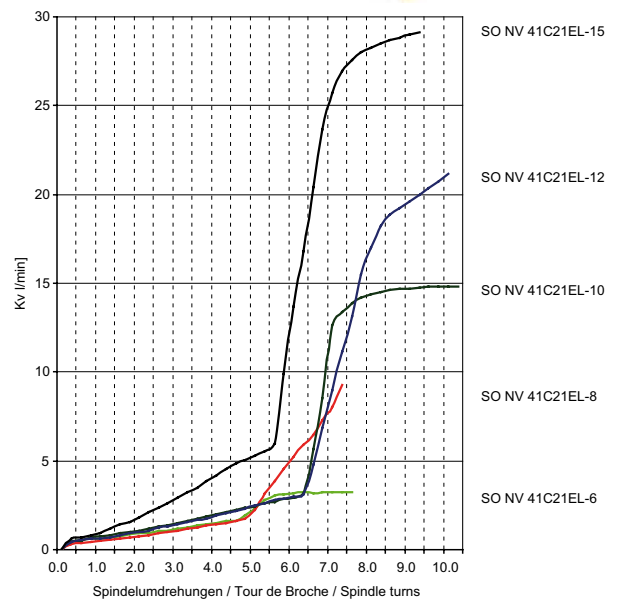
SO NV 41C21



SO NV 41A21E / A21EB / A21EL



SO NV 41C21E / C21EB / 21EL



Sonderausführungen

siehe Kapitelübersicht

Zubehör

Anschraubfuß für Wandmontage der Typen SO NV 41A21 und SO NV 41C21 siehe SO 09900

Exécutions en option

voir aperçu du chapitre

Accessoires

Support de fixation pour les types SO NV 41A21 et SO NV 41C21 voir SO 09900

Optional services

see chapter overview

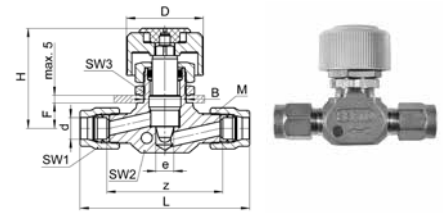
Accessoires

Flange mount for wall fastening for types SO NV 41A21 and SO NV 41C21 see SO 09900

Regulierventil

Vanne de réglage

Regulating valve



SO NV 41A21

| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | D | H | B | F | z | e | kv | kg/100 | |
|---------------------|--------------|-----|----------------------|-----|-----|-----|------|------------------|------|------|------|------|------|------|--------|--|
| Für metrische Rohre | | | Pour tubes métriques | | | | | For metric tubes | | | | | | | | |
| * SO NV 41A21-4 | 028.0000.040 | 50 | 10x1.0 | 12 | 14 | 19 | 61.0 | 26.0 | 47.0 | 16.5 | 10.0 | 46.0 | 3.4 | 3.0 | 10.600 | |
| * SO NV 41A21-5 | 028.0000.050 | 50 | 10x1.0 | 12 | 14 | 19 | 61.0 | 26.0 | 47.0 | 16.5 | 10.0 | 46.0 | 4.0 | 3.0 | 10.500 | |
| SO NV 41A21-6 | 028.0000.060 | 50 | 10x1.0 | 12 | 14 | 19 | 61.0 | 26.0 | 47.0 | 16.5 | 10.0 | 46.5 | 4.0 | 3.0 | 10.500 | |
| SO NV 41A21-8 | 028.0000.080 | 50 | 12x1.0 | 14 | 14 | 19 | 62.5 | 26.0 | 47.0 | 16.5 | 10.0 | 46.5 | 5.0 | 6.0 | 11.300 | |
| SO NV 41A21-10 | 028.0000.100 | 50 | 14x1.0 | 17 | 18 | 24 | 75.5 | 36.0 | 54.5 | 20.5 | 12.0 | 54.5 | 6.5 | 12.0 | 21.800 | |
| SO NV 41A21-12 | 028.0000.120 | 50 | 16x1.0 | 19 | 18 | 24 | 86.5 | 36.0 | 56.5 | 20.5 | 14.0 | 62.5 | 8.0 | 16.0 | 25.700 | |
| * SO NV 41A21-13 | 028.0000.130 | 50 | 20x1.5 | 24 | 22 | 27 | 92.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 10.0 | 24.5 | 42.000 | |
| SO NV 41A21-14 | 028.0000.140 | 50 | 20x1.5 | 24 | 22 | 27 | 92.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 10.0 | 24.5 | 41.800 | |
| SO NV 41A21-15 | 028.0000.150 | 50 | 20x1.5 | 24 | 22 | 27 | 92.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 10.0 | 24.5 | 41.200 | |
| Für Zollrohre | | | Pour tubes pouces | | | | | For inch tubes | | | | | | | | |
| SO NV 41A21-6,35 | 028.0000.063 | 50 | 10x1.0 | 12 | 14 | 19 | 61.0 | 26.0 | 47.0 | 16.5 | 10.0 | 46.0 | 4.0 | 3.0 | 10.400 | |
| SO NV 41A21-9,52 | 028.0000.095 | 50 | 14x1.0 | 17 | 18 | 24 | 75.5 | 36.0 | 54.5 | 20.5 | 12.0 | 54.5 | 6.5 | 12.0 | 21.700 | |
| * SO NV 41A21-12,7 | 028.0000.127 | 50 | 20x1.5 | 24 | 22 | 27 | 92.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 10.0 | 24.5 | 42.000 | |

Umrechnung für "d" bei Zollrohren:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion de "d" pour tubes en pouces:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion for "d" for inch tubes:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

 d=Rohraussen-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet
 *=mit reduziertem Klemmring

 d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert
 *=avec bague de serrage de réduction

 d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve opened
 *=with reduced compression ferrule

Reguliertventil

mit Übergangsmuffe SO 40030

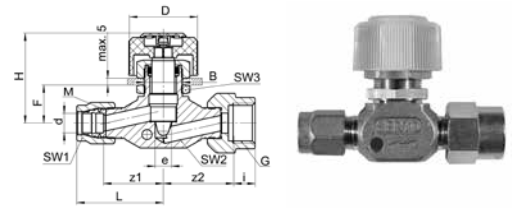
Vanne de réglage

avec adaptateur femelle SO 40030

Regulating valve

with female adaptor SO 40030

SO NV 41A30



| Type -d-G | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | H | B | F | i | z1 | z2 | e | kv | kg/100 | |
|-----------------------------|--------------|-----|--------|----------------------------------|-----|-----|------|------|------|------|------|-------------------------|------|------|------|--------|--|
| Für metrische Rohre | | | | Pour tubes métriques | | | | | | | | For metric tubes | | | | | |
| G=Rohrgewinde (zylindrisch) | | | | G=Filetage-gaz BSP (cylindrique) | | | | | | | | G=BSP thread (parallel) | | | | | |
| * SO NV 41A30-4-1/8 | 028.0200.060 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 47.0 | 16.5 | 10.0 | 10.0 | 23.0 | 26.0 | 3.4 | 3.0 | 11.330 | |
| * SO NV 41A30-5-1/8 | 028.0200.082 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 47.0 | 16.5 | 10.0 | 10.0 | 23.0 | 26.0 | 4.0 | 3.0 | 11.330 | |
| SO NV 41A30-6-1/8 | 028.0200.100 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 47.0 | 16.5 | 10.0 | 10.0 | 23.0 | 26.0 | 4.0 | 3.0 | 11.330 | |
| SO NV 41A30-6-1/4 | 028.0200.110 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 47.0 | 16.5 | 10.0 | 11.0 | 23.0 | 26.0 | 4.0 | 3.0 | 12.190 | |
| SO NV 41A30-6-3/8 | 028.0200.120 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 47.0 | 16.5 | 10.0 | 12.0 | 23.0 | 26.0 | 4.0 | 3.0 | 14.460 | |
| SO NV 41A30-8-1/8 | 028.0200.160 | 50 | 12x1.0 | 14 | 14 | 19 | 31.0 | 47.0 | 16.5 | 10.0 | 10.0 | 23.0 | 26.0 | 5.0 | 6.0 | 12.970 | |
| SO NV 41A30-8-1/4 | 028.0200.170 | 50 | 12x1.0 | 14 | 14 | 19 | 31.0 | 47.0 | 16.5 | 10.0 | 11.0 | 23.0 | 27.0 | 5.0 | 6.0 | 12.760 | |
| SO NV 41A30-8-3/8 | 028.0200.180 | 50 | 12x1.0 | 14 | 14 | 19 | 31.0 | 47.0 | 16.5 | 10.0 | 12.0 | 23.0 | 26.0 | 5.0 | 6.0 | 14.960 | |
| SO NV 41A30-10-1/4 | 028.0200.270 | 50 | 14x1.0 | 17 | 18 | 24 | 37.0 | 54.5 | 20.5 | 12.0 | 11.0 | 27.0 | 30.0 | 6.5 | 12.0 | 22.000 | |
| SO NV 41A30-10-3/8 | 028.0200.280 | 50 | 14x1.0 | 17 | 18 | 24 | 37.0 | 54.5 | 20.5 | 12.0 | 12.0 | 27.0 | 30.0 | 6.5 | 12.0 | 24.670 | |
| * SO NV 41A30-10-1/2 | 028.0200.285 | 50 | 16x1.0 | 19 | 18 | 24 | 42.0 | 56.5 | 20.5 | 14.0 | 14.0 | 31.0 | 34.0 | 8.0 | 16.0 | 26.186 | |
| SO NV 41A30-12-1/4 | 028.0200.380 | 50 | 16x1.0 | 19 | 18 | 24 | 42.0 | 56.5 | 20.5 | 14.0 | 11.0 | 31.0 | 34.0 | 8.0 | 16.0 | 26.140 | |
| SO NV 41A30-12-3/8 | 028.0200.390 | 50 | 16x1.0 | 19 | 18 | 24 | 42.0 | 56.5 | 20.5 | 14.0 | 12.0 | 31.0 | 34.0 | 8.0 | 16.0 | 27.450 | |
| SO NV 41A30-12-1/2 | 028.0200.400 | 50 | 16x1.0 | 19 | 18 | 24 | 42.0 | 56.5 | 20.5 | 14.0 | 14.0 | 31.0 | 34.0 | 8.0 | 16.0 | 30.630 | |
| SO NV 41A30-14-1/2 | 028.0200.504 | 50 | 20x1.5 | 24 | 22 | 27 | 46.0 | 66.0 | 24.5 | 15.0 | 14.0 | 33.5 | 37.0 | 10.0 | 24.5 | 43.770 | |
| SO NV 41A30-15-1/2 | 028.0200.534 | 50 | 20x1.5 | 27 | 22 | 27 | 46.0 | 66.0 | 24.5 | 15.0 | 14.0 | 33.5 | 37.0 | 10.0 | 24.5 | 44.090 | |
| Für Zollrohre | | | | Pour tubes pouces | | | | | | | | For inch tubes | | | | | |
| SO NV 41A30-6,35-1/8 | 028.0200.135 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 47.0 | 16.5 | 10.0 | 10.0 | 23.0 | 26.0 | 4.0 | 3.0 | 11.340 | |
| SO NV 41A30-9,52-1/4 | 028.0200.230 | 50 | 14x1.0 | 17 | 18 | 24 | 37.0 | 54.5 | 20.5 | 12.0 | 10.0 | 27.0 | 30.0 | 6.5 | 12.0 | 21.940 | |
| SO NV 41A30-9,52-3/8 | 028.0200.235 | 50 | 14x1.0 | 17 | 18 | 24 | 37.0 | 54.5 | 20.5 | 12.0 | 12.0 | 27.0 | 30.0 | 6.5 | 12.0 | 24.610 | |
| * SO NV 41A30-12,7-3/8 | 028.0200.432 | 50 | 20x1.5 | 24 | 22 | 27 | 46.0 | 66.0 | 24.5 | 15.0 | 12.0 | 33.5 | 37.0 | 10.0 | 24.5 | 42.060 | |
| * SO NV 41A30-12,7-1/2 | 028.0200.434 | 50 | 20x1.5 | 24 | 22 | 27 | 46.0 | 66.0 | 24.5 | 15.0 | 14.0 | 33.5 | 37.0 | 10.0 | 24.5 | 44.090 | |
| * SO NV 41A30-12,7-3/4 | 028.0200.436 | 50 | 20x1.5 | 24 | 22 | 27 | 46.0 | 66.0 | 24.5 | 15.0 | 17.0 | 33.5 | 37.0 | 10.0 | 24.5 | 47.940 | |

Umrechnung für "d" bei Zollrohren:

6,35 = 1/4
9,52 = 3/8
12,7 = 1/2

Conversion de "d" pour tubes en pouces:

6,35 = 1/4
9,52 = 3/8
12,7 = 1/2

Conversion for "d" for inch tubes:

6,35 = 1/4
9,52 = 3/8
12,7 = 1/2

D = ø 26 mm ≤ Anschlussgröße 8
ø 36 mm ≥ Anschlussgröße 9,52

D = ø 26 mm ≤ Dimension 8
ø 36 mm ≥ Dimension 9,52

D = ø 26 mm ≤ Dimension 8
ø 36 mm ≥ Dimension 9,52

Montagehinweis: Muffe ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Assembly information: Female adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

d=Rohrassen-ø
e=kleinste Bohrung
kv=Kenngröße für das Durchflussverhalten (l/min)
L=Mass in montiertem Zustand
H=Ventil geöffnet
*=mit reduziertem Klemmring

d=ø extérieur du tube
e=ø-min. de passage
kv=facteur d'écoulement (l/min)
L=après montage
H=vanne ouvert
*=avec bague de serrage de réduction

d=tube outside diameter
e=minimum bore
kv=flow factor (l/min)
L=installed length
H=valve opened
*=with reduced compression ferrule

Regulierventil

mit Übergangsnippel SO 40040

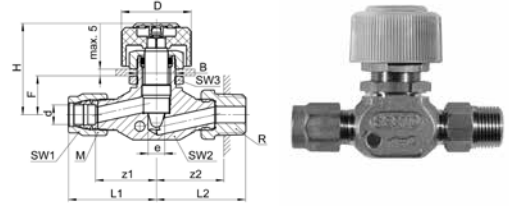
Vanne de réglage

avec adaptateur mâle SO 40040

Regulating valve

with male adaptor SO 40040

SO NV 41A40



| Type -d-R | | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | z1 | z2 | e | kv | kg/100 | |
|-------------------------|--------------|------------------------------|--------|-----|-----|-----|------------------------|------|------|------|------|------|------|------|------|--------|--|
| Für metrische Rohre | | Pour tubes métriques | | | | | For metric tubes | | | | | | | | | | |
| R=Rohrgewinde (kegelig) | | R=Filetage-gaz BSP (conique) | | | | | R=BSP thread (tapered) | | | | | | | | | | |
| * SO NV 41A40-4-1/8 | 028.0300.060 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 33.0 | 47.0 | 16.5 | 10.0 | 23.0 | 26.5 | 3.4 | 3.0 | 10.460 | |
| * SO NV 41A40-4-1/4 | 028.0300.065 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 37.0 | 47.0 | 16.5 | 10.0 | 23.0 | 27.5 | 3.4 | 3.0 | 11.510 | |
| * SO NV 41A40-4-3/8 | 028.0300.068 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 36.0 | 47.0 | 16.5 | 10.0 | 23.0 | 26.0 | 3.4 | 3.0 | 12.690 | |
| * SO NV 41A40-5-1/8 | 028.0300.082 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 33.0 | 47.0 | 16.5 | 10.0 | 23.0 | 26.5 | 4.0 | 3.0 | 10.460 | |
| * SO NV 41A40-5-1/4 | 028.0300.084 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 37.0 | 47.0 | 16.5 | 10.0 | 23.0 | 27.5 | 4.0 | 3.0 | 11.510 | |
| SO NV 41A40-6-1/8 | 028.0300.100 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 33.0 | 47.0 | 16.5 | 10.0 | 23.0 | 26.5 | 4.0 | 3.0 | 10.460 | |
| SO NV 41A40-6-1/4 | 028.0300.110 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 37.0 | 47.0 | 16.5 | 10.0 | 23.0 | 27.5 | 4.0 | 3.0 | 11.510 | |
| SO NV 41A40-6-3/8 | 028.0300.120 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 36.0 | 47.0 | 16.5 | 10.0 | 23.0 | 26.0 | 4.0 | 3.0 | 12.690 | |
| SO NV 41A40-8-1/8 | 028.0300.160 | 50 | 12x1.0 | 14 | 14 | 19 | 31.0 | 33.0 | 47.0 | 16.5 | 10.0 | 23.0 | 26.5 | 5.0 | 6.0 | 11.170 | |
| SO NV 41A40-8-1/4 | 028.0300.170 | 50 | 12x1.0 | 14 | 14 | 19 | 31.0 | 37.0 | 47.0 | 16.5 | 10.0 | 23.0 | 27.5 | 5.0 | 6.0 | 11.700 | |
| SO NV 41A40-8-3/8 | 028.0300.180 | 50 | 12x1.0 | 14 | 14 | 19 | 31.0 | 37.0 | 47.0 | 16.5 | 10.0 | 23.0 | 27.0 | 5.0 | 6.0 | 13.150 | |
| SO NV 41A40-10-1/4 | 028.0300.270 | 50 | 14x1.0 | 17 | 18 | 24 | 37.0 | 41.0 | 54.5 | 20.5 | 12.0 | 27.0 | 31.5 | 6.5 | 12.0 | 21.620 | |
| SO NV 41A40-10-3/8 | 028.0300.280 | 50 | 14x1.0 | 17 | 18 | 24 | 37.0 | 41.0 | 54.5 | 20.5 | 12.0 | 27.0 | 31.0 | 6.5 | 12.0 | 22.350 | |
| SO NV 41A40-10-1/2 | 028.0300.285 | 50 | 14x1.0 | 17 | 18 | 24 | 37.0 | 44.0 | 54.5 | 20.5 | 12.0 | 27.0 | 31.0 | 6.5 | 12.0 | 24.940 | |
| SO NV 41A40-12-1/4 | 028.0300.380 | 50 | 16x1.0 | 19 | 18 | 24 | 42.0 | 46.0 | 56.5 | 20.5 | 14.0 | 31.0 | 36.5 | 8.0 | 16.0 | 25.470 | |
| SO NV 41A40-12-3/8 | 028.0300.390 | 50 | 16x1.0 | 19 | 18 | 24 | 42.0 | 46.0 | 56.5 | 20.5 | 14.0 | 31.0 | 36.0 | 8.0 | 16.0 | 26.230 | |
| SO NV 41A40-12-1/2 | 028.0300.400 | 50 | 16x1.0 | 19 | 18 | 24 | 42.0 | 49.0 | 56.5 | 20.5 | 14.0 | 31.0 | 36.0 | 8.0 | 16.0 | 28.200 | |
| SO NV 41A40-14-1/2 | 028.0300.504 | 50 | 20x1.5 | 24 | 22 | 27 | 46.0 | 50.0 | 66.0 | 24.5 | 15.0 | 33.5 | 37.0 | 10.0 | 24.5 | 41.070 | |
| SO NV 41A40-15-1/2 | 028.0300.534 | 50 | 20x1.5 | 24 | 22 | 27 | 46.0 | 50.0 | 66.0 | 24.5 | 15.0 | 33.5 | 37.0 | 10.0 | 24.5 | 41.390 | |

| Für Zollrohre | | Pour tubes pouces | | | | | For inch tubes | | | | | | | | | | |
|------------------------|--------------|-------------------|--------|----|----|----|----------------|------|------|------|------|------|------|------|------|--------|--|
| SO NV 41A40-6,35-1/8 | 028.0300.135 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 33.0 | 47.0 | 16.5 | 10.0 | 23.0 | 26.5 | 4.0 | 3.0 | 10.470 | |
| SO NV 41A40-6,35-1/4 | 028.0300.140 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 37.0 | 47.0 | 16.5 | 10.0 | 23.0 | 27.5 | 4.0 | 3.0 | 11.520 | |
| SO NV 41A40-6,35-3/8 | 028.0300.145 | 50 | 10x1.0 | 12 | 14 | 19 | 30.5 | 36.0 | 47.0 | 16.5 | 10.0 | 23.0 | 26.0 | 4.0 | 3.0 | 12.700 | |
| SO NV 41A40-9,52-1/4 | 028.0300.230 | 50 | 14x1.0 | 17 | 18 | 24 | 37.0 | 48.0 | 54.5 | 20.5 | 12.0 | 27.0 | 31.5 | 6.5 | 12.0 | 21.560 | |
| SO NV 41A40-9,52-3/8 | 028.0300.235 | 50 | 14x1.0 | 17 | 18 | 24 | 37.0 | 41.0 | 54.5 | 20.5 | 12.0 | 27.0 | 31.0 | 6.5 | 12.0 | 22.290 | |
| SO NV 41A40-9,52-1/2 | 028.0300.240 | 50 | 14x1.0 | 17 | 18 | 24 | 37.0 | 42.0 | 54.5 | 20.5 | 12.0 | 27.0 | 29.0 | 6.5 | 12.0 | 24.880 | |
| * SO NV 41A40-12,7-3/8 | 028.0300.432 | 50 | 20x1.5 | 24 | 22 | 27 | 46.0 | 48.0 | 66.0 | 24.5 | 15.0 | 33.5 | 38.0 | 10.0 | 24.5 | 40.720 | |
| * SO NV 41A40-12,7-1/2 | 028.0300.434 | 50 | 20x1.5 | 24 | 22 | 27 | 46.0 | 50.0 | 66.0 | 24.5 | 15.0 | 33.5 | 37.0 | 10.0 | 24.5 | 41.390 | |

Umrechnung für "d" bei Zollrohren:

6,35 = 1/4
9,52 = 3/8
12,7 = 1/2

Conversion de "d" pour tubes en pouces:

6,35 = 1/4
9,52 = 3/8
12,7 = 1/2

Conversion for "d" for inch tubes:

6,35 = 1/4
9,52 = 3/8
12,7 = 1/2

D = ø 26 mm ≤ Anschlussgröße 8
ø 36 mm ≥ Anschlussgröße 9,52

D = ø 26 mm ≤ Dimension 8
ø 36 mm ≥ Dimension 9,52

D = ø 26 mm ≤ Dimension 8
ø 36 mm ≥ Dimension 9,52

Montagehinweis: Nippel ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle-mâle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

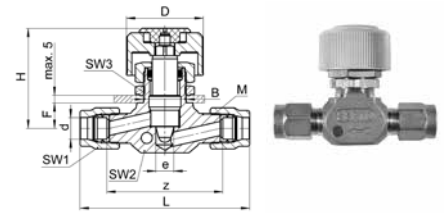
Assembly information: Male adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

d=Rohrøussen-ø
e=kleinste Bohrung
kv=Kenngröße für das Durchflussverhalten (l/min)
L=Mass in montiertem Zustand
H=Ventil geöffnet
*=mit reduziertem Klemmring

d=ø extérieur du tube
e=ø-min. de passage
kv=facteur d'écoulement (l/min)
L=après montage
H=vanne ouvert
*=avec bague de serrage de réduction

d=tube outside diameter
e=minimum bore
kv=flow factor (l/min)
L=installed length
H=valve opened
*=with reduced compression ferrule

Feinreguliertventil
Vanne de réglage fin
Fine regulating valve

SO NV 41C21

| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | D | H | B | F | z | e | kv | kg/100 | |
|---------------------|--------------|-----|----------------------|-----|-----|-----|------|------------------|------|------|------|------|------|------|--------|--|
| Für metrische Rohre | | | Pour tubes métriques | | | | | For metric tubes | | | | | | | | |
| * SO NV 41C21-4 | 028.0500.040 | 50 | 10x1.0 | 12 | 14 | 19 | 61.0 | 26.0 | 47.0 | 16.5 | 10.0 | 46.0 | 3.4 | 3.0 | 10.600 | |
| * SO NV 41C21-5 | 028.0500.050 | 50 | 10x1.0 | 12 | 14 | 19 | 61.0 | 26.0 | 47.0 | 16.5 | 10.0 | 46.0 | 4.0 | 3.0 | 10.500 | |
| SO NV 41C21-6 | 028.0500.060 | 50 | 10x1.0 | 12 | 14 | 19 | 61.0 | 26.0 | 47.0 | 16.5 | 10.0 | 46.5 | 4.0 | 3.0 | 10.500 | |
| SO NV 41C21-8 | 028.0500.080 | 50 | 12x1.0 | 14 | 14 | 19 | 62.5 | 26.0 | 47.0 | 16.5 | 10.0 | 46.5 | 5.0 | 6.0 | 11.300 | |
| SO NV 41C21-10 | 028.0500.100 | 50 | 14x1.0 | 17 | 18 | 24 | 75.5 | 36.0 | 54.5 | 20.5 | 12.0 | 54.5 | 6.5 | 9.0 | 21.800 | |
| SO NV 41C21-12 | 028.0500.120 | 50 | 16x1.0 | 19 | 18 | 24 | 86.5 | 36.0 | 56.5 | 20.5 | 14.0 | 62.5 | 8.0 | 18.5 | 25.700 | |
| * SO NV 41C21-13 | 028.0500.130 | 50 | 20x1.5 | 24 | 22 | 27 | 92.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 10.0 | 22.5 | 42.000 | |
| SO NV 41C21-14 | 028.0500.140 | 50 | 20x1.5 | 24 | 22 | 27 | 92.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 10.0 | 22.5 | 41.800 | |
| SO NV 41C21-15 | 028.0500.150 | 50 | 20x1.5 | 24 | 22 | 27 | 92.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 10.0 | 22.5 | 41.200 | |
| Für Zollrohre | | | Pour tubes pouces | | | | | For inch tubes | | | | | | | | |
| SO NV 41C21-6,35 | 028.0500.063 | 50 | 10x1.0 | 12 | 14 | 19 | 61.0 | 26.0 | 47.0 | 16.5 | 10.0 | 46.0 | 4.0 | 3.0 | 10.400 | |
| SO NV 41C21-9,52 | 028.0500.095 | 50 | 14x1.0 | 17 | 18 | 24 | 75.5 | 36.0 | 54.5 | 20.5 | 12.0 | 54.0 | 6.5 | 9.0 | 21.700 | |
| * SO NV 41C21-12,7 | 028.0500.127 | 50 | 20x1.5 | 24 | 22 | 27 | 92.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 10.0 | 22.5 | 42.000 | |

Umrechnung für "d" bei Zollrohren:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion de "d" pour tubes en pouces:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion for "d" for inch tubes:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

d=Rohrassen-ø

e=kleinste Bohrung

kv=Kenngröße für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

H=Ventil geöffnet

*=mit reduziertem Klemmring

d=ø extérieur du tube

e=ø-min. de passage

kv=facteur d'écoulement (l/min)

L=après montage

H=vanne ouvert

*=avec bague de serrage de réduction

d=tube outside diameter

e=minimum bore

kv=flow factor (l/min)

L=installed length

H=valve opened

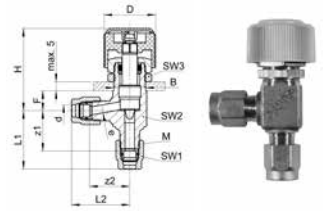
*=with reduced compression ferrule

Regulier-Eckventil

Vanne-équerre de réglage

Elbow regulating valve

12



SO NV 41A21E

| Type-d | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | z1 | z2 | e | kv | kg/100 | |
|---------------------|--------------|----------------------|--------|-----|-----|-----|------|------------------|------|------|------|------|------|------|------|--------|--|
| Für metrische Rohre | | Pour tubes métriques | | | | | | For metric tubes | | | | | | | | | |
| * SO NV 41A21E-4 | 028.1500.040 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 27.5 | 41.0 | 16.5 | 10.0 | 20.0 | 20.0 | 3.4 | 3.5 | 10.500 | |
| * SO NV 41A21E-5 | 028.1500.050 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 27.5 | 41.0 | 16.5 | 10.0 | 20.0 | 20.0 | 4.0 | 3.5 | 10.400 | |
| SO NV 41A21E-6 | 028.1500.060 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 27.5 | 41.0 | 16.5 | 10.0 | 20.0 | 20.0 | 4.0 | 3.5 | 10.300 | |
| SO NV 41A21E-8 | 028.1500.080 | 50 | 12x1.0 | 14 | 14 | 19 | 29.0 | 29.0 | 41.0 | 16.5 | 10.0 | 21.0 | 21.0 | 4.8 | 7.5 | 11.400 | |
| SO NV 41A21E-10 | 028.1500.100 | 50 | 14x1.0 | 17 | 19 | 24 | 35.0 | 35.0 | 45.0 | 20.5 | 12.0 | 24.0 | 24.0 | 6.5 | 15.0 | 20.500 | |
| SO NV 41A21E-12 | 028.1500.120 | 50 | 16x1.0 | 19 | 19 | 24 | 36.5 | 36.5 | 45.0 | 20.5 | 12.0 | 24.0 | 24.0 | 8.3 | 21.5 | 22.100 | |
| SO NV 41A21E-14 | 028.1500.140 | 50 | 20x1.5 | 24 | 22 | 27 | 40.0 | 40.0 | 53.0 | 24.5 | 15.0 | 27.5 | 27.5 | 8.3 | 29.0 | 36.600 | |
| SO NV 41A21E-15 | 028.1500.150 | 50 | 20x1.5 | 24 | 22 | 27 | 40.0 | 40.0 | 53.0 | 24.5 | 15.0 | 27.5 | 27.5 | 10.8 | 29.0 | 36.300 | |
| Für Zollrohre | | Pour tubes pouces | | | | | | For inch tubes | | | | | | | | | |
| SO NV 41A21E-6,35 | 028.1500.063 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 27.5 | 41.0 | 16.5 | 10.0 | 20.0 | 20.0 | 4.0 | 3.5 | 10.300 | |
| SO NV 41A21E-9,52 | 028.1500.095 | 50 | 14x1.0 | 17 | 19 | 24 | 35.0 | 35.0 | 45.0 | 20.5 | 12.0 | 24.0 | 24.0 | 6.5 | 15.0 | 20.600 | |
| * SO NV 41A21E-12,7 | 028.1500.127 | 50 | 20x1.5 | 24 | 22 | 27 | 40.0 | 40.0 | 53.0 | 24.5 | 15.0 | 27.5 | 27.5 | 10.8 | 29.0 | 37.100 | |

Umrechnung für "d" bei Zollrohren:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion de "d" pour tubes en pouces:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion for "d" for inch tubes:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

 D = ø 26 mm ≤ Anschlussgröße 8
 ø 36 mm ≥ Anschlussgröße 9,52

 D = ø 26 mm ≤ Dimension 8
 ø 36 mm ≥ Dimension 9,52

 D = ø 26 mm ≤ Dimension 8
 ø 36 mm ≥ Dimension 9,52

 d=Rohrassen-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet
 *=mit reduziertem Klemmring

 d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert
 *=avec bague de serrage de réduction

 d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve opened
 *=with reduced compression ferrule

Regulier-Eckventil

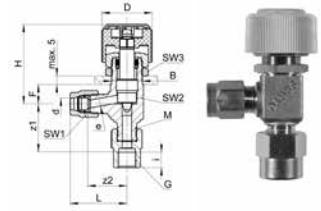
mit Übergangsmuffe SO 40030

Vanne-équerre de réglage

avec adaptateur femelle SO 40030

Elbow regulating valve

with female adaptor SO 40030


SO NV 41A30E

| Type -d-G | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | H | B | F | i | z1 | z2 | e | kv | kg/100 |
|-----------------------------|--------------|-----|--------|----------------------------------|-----|-----|------|------|------|------|------|-------------------------|------|------|------|--------|
| Für metrische Rohre | | | | Pour tubes métriques | | | | | | | | For metric tubes | | | | |
| G=Rohrgewinde (zylindrisch) | | | | G=Filetage-gaz BSP (cylindrique) | | | | | | | | G=BSP thread (parallel) | | | | |
| * SO NV 41A30E-4-1/8 | 028.1700.060 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 46.0 | 16.5 | 10.0 | 10.0 | 23.0 | 20.0 | 3.4 | 3.5 | 11.600 |
| * SO NV 41A30E-5-1/8 | 028.1700.082 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 46.0 | 16.5 | 10.0 | 10.0 | 23.0 | 20.0 | 4.0 | 3.5 | 11.610 |
| SO NV 41A30E-6-1/8 | 028.1700.100 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 46.0 | 16.5 | 10.0 | 10.0 | 23.0 | 20.0 | 4.0 | 3.5 | 11.330 |
| SO NV 41A30E-6-1/4 | 028.1700.110 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 46.0 | 16.5 | 10.0 | 11.0 | 23.0 | 20.0 | 4.0 | 3.5 | 12.190 |
| SO NV 41A30E-6-3/8 | 028.1700.120 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 46.0 | 16.5 | 10.0 | 12.0 | 23.0 | 20.0 | 4.0 | 3.5 | 14.460 |
| SO NV 41A30E-8-1/8 | 028.1700.160 | 50 | 12x1.0 | 14 | 14 | 19 | 29.0 | 46.0 | 16.5 | 10.0 | 10.0 | 24.0 | 21.0 | 4.8 | 7.5 | 13.070 |
| SO NV 41A30E-8-1/4 | 028.1700.170 | 50 | 12x1.0 | 14 | 14 | 19 | 29.0 | 46.0 | 16.5 | 10.0 | 11.0 | 25.0 | 21.0 | 4.8 | 7.5 | 12.820 |
| SO NV 41A30E-8-3/8 | 028.1700.180 | 50 | 12x1.0 | 14 | 14 | 19 | 29.0 | 46.0 | 16.5 | 10.0 | 12.0 | 24.0 | 21.0 | 4.8 | 7.5 | 15.060 |
| SO NV 41A30E-10-1/4 | 028.1700.270 | 50 | 14x1.0 | 17 | 19 | 24 | 35.0 | 54.0 | 20.5 | 12.0 | 11.0 | 27.0 | 24.0 | 6.5 | 15.0 | 20.700 |
| SO NV 41A30E-10-3/8 | 028.1700.280 | 50 | 14x1.0 | 17 | 19 | 24 | 35.0 | 54.0 | 20.5 | 12.0 | 12.0 | 28.0 | 24.0 | 6.5 | 15.0 | 23.370 |
| * SO NV 41A30E-10-1/2 | 028.1700.285 | 50 | 16x1.0 | 19 | 19 | 24 | 36.5 | 54.0 | 20.5 | 12.0 | 14.0 | 27.0 | 24.0 | 8.3 | 15.0 | 22.586 |
| SO NV 41A30E-12-1/4 | 028.1700.380 | 50 | 16x1.0 | 19 | 19 | 24 | 36.5 | 54.0 | 20.5 | 12.0 | 11.0 | 27.0 | 24.0 | 8.3 | 21.5 | 22.540 |
| SO NV 41A30E-12-3/8 | 028.1700.390 | 50 | 16x1.0 | 19 | 19 | 24 | 36.5 | 54.0 | 20.5 | 12.0 | 12.0 | 27.0 | 24.0 | 8.3 | 21.5 | 23.850 |
| SO NV 41A30E-12-1/2 | 028.1700.400 | 50 | 16x1.0 | 19 | 19 | 24 | 36.5 | 54.0 | 20.5 | 12.0 | 14.0 | 27.0 | 24.0 | 8.3 | 21.5 | 27.030 |
| SO NV 41A30E-14-1/2 | 028.1700.504 | 50 | 20x1.5 | 24 | 22 | 27 | 40.0 | 66.0 | 24.5 | 15.0 | 14.0 | 30.0 | 27.0 | 10.8 | 29.0 | 38.870 |
| SO NV 41A30E-15-1/2 | 028.1700.534 | 50 | 20x1.5 | 24 | 22 | 27 | 40.0 | 66.0 | 24.5 | 15.0 | 14.0 | 30.0 | 27.0 | 10.8 | 29.0 | 39.190 |
| Für Zollrohre | | | | Pour tubes pouces | | | | | | | | For inch tubes | | | | |
| SO NV 41A30E-6,35-1/8 | 028.1700.135 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 46.0 | 16.5 | 10.0 | 10.0 | 23.0 | 20.0 | 4.0 | 3.5 | 11.140 |
| SO NV 41A30E-6,35-1/4 | 028.1700.140 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 46.0 | 16.5 | 10.0 | 11.0 | 23.0 | 20.0 | 4.0 | 3.5 | 12.000 |
| SO NV 41A30E-6,35-3/8 | 028.1700.145 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 46.0 | 16.5 | 10.0 | 12.0 | 23.0 | 20.0 | 4.0 | 3.5 | 14.270 |
| SO NV 41A30E-9,52-1/4 | 028.1700.230 | 50 | 14x1.0 | 17 | 19 | 24 | 35.0 | 54.0 | 20.5 | 12.0 | 11.0 | 27.0 | 24.0 | 6.5 | 15.0 | 20.740 |
| SO NV 41A30E-9,52-3/8 | 028.1700.235 | 50 | 14x1.0 | 17 | 19 | 24 | 35.0 | 54.0 | 20.5 | 12.0 | 12.0 | 28.0 | 24.0 | 6.5 | 15.0 | 23.410 |

Umrechnung für "d" bei Zollrohren:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

Conversion de "d" pour tubes en pouces:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

Conversion for "d" for inch tubes:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

 D = \varnothing 26 mm \leq Anschlussgrösse 8
 \varnothing 36 mm \geq Anschlussgrösse 9,52

 D = \varnothing 26 mm \leq Dimension 8
 \varnothing 36 mm \geq Dimension 9,52

 D = \varnothing 26 mm \leq Dimension 8
 \varnothing 36 mm \geq Dimension 9,52

Montagehinweis: Muffe ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Assembly information: Female adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

 d=Rohrassen- \varnothing

e=kleinste Bohrung

kv=Kenngrösse für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

H=Ventil geöffnet

*=mit reduziertem Klemmring

 d= \varnothing extérieur du tube

 e= \varnothing -min. de passage

kv=facteur d'écoulement (l/min)

L=après montage

H=vanne ouvert

*=avec bague de serrage de réduction

d=tube outside diameter

e=minimum bore

kv=flow factor (l/min)

L=installed length

H=valve opened

*=with reduced compression ferrule

Regulier-Eckventil

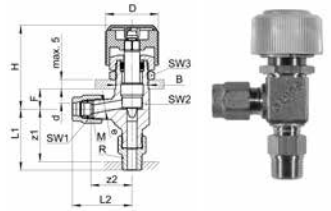
mit Übergangsnippel SO 40040

Vanne-équerre de réglage

avec adaptateur mâle SO 40040

Elbow regulating valve

with male adaptor SO 40040

SO NV 41A40E


| Type -d-R | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | z1 | z2 | e | kv | kg/100 |
|-------------------------|--------------|-----|--------|------------------------------|-----|-----|------|------|------|------|------|------------------------|------|------|------|--------|
| Für metrische Rohre | | | | Pour tubes métriques | | | | | | | | For metric tubes | | | | |
| R=Rohrgewinde (kegelig) | | | | R=Filetage-gaz BSP (conique) | | | | | | | | R=BSP thread (tapered) | | | | |
| * SO NV 41A40E-4-1/4 | 028.1800.065 | 50 | 10x1.0 | 12 | 14 | 19 | 34.0 | 27.5 | 42.0 | 16.5 | 10.0 | 26.0 | 20.0 | 3.4 | 3.5 | 11.780 |
| * SO NV 41A40E-5-1/4 | 028.1800.084 | 50 | 10x1.0 | 12 | 14 | 19 | 34.0 | 27.5 | 42.0 | 16.5 | 10.0 | 26.0 | 20.0 | 4.0 | 3.5 | 11.750 |
| SO NV 41A40E-6-1/8 | 028.1800.100 | 50 | 10x1.0 | 12 | 14 | 19 | 30.0 | 27.5 | 42.0 | 16.5 | 10.0 | 25.0 | 20.0 | 4.0 | 3.5 | 10.260 |
| SO NV 41A40E-6-1/4 | 028.1800.110 | 50 | 10x1.0 | 12 | 14 | 19 | 34.0 | 27.5 | 42.0 | 16.5 | 10.0 | 26.0 | 20.0 | 4.0 | 3.5 | 11.310 |
| SO NV 41A40E-6-3/8 | 028.1800.120 | 50 | 10x1.0 | 12 | 14 | 19 | 33.0 | 27.5 | 42.0 | 16.5 | 10.0 | 25.0 | 20.0 | 4.0 | 3.5 | 12.490 |
| SO NV 41A40E-8-1/8 | 028.1800.160 | 50 | 12x1.0 | 14 | 14 | 19 | 31.0 | 29.0 | 42.0 | 16.5 | 12.0 | 26.0 | 21.0 | 4.8 | 7.5 | 11.270 |
| SO NV 41A40E-8-1/4 | 028.1800.170 | 50 | 12x1.0 | 14 | 14 | 19 | 35.0 | 29.0 | 42.0 | 16.5 | 12.0 | 27.0 | 21.0 | 4.8 | 7.5 | 11.800 |
| SO NV 41A40E-8-3/8 | 028.1800.180 | 50 | 12x1.0 | 14 | 14 | 19 | 35.0 | 29.0 | 42.0 | 16.5 | 12.0 | 27.0 | 21.0 | 4.8 | 7.5 | 13.250 |
| SO NV 41A40E-10-1/4 | 028.1800.270 | 50 | 14x1.0 | 17 | 19 | 24 | 38.0 | 35.0 | 49.0 | 20.5 | 12.0 | 30.0 | 24.0 | 6.5 | 15.0 | 20.320 |
| SO NV 41A40E-10-3/8 | 028.1800.280 | 50 | 14x1.0 | 17 | 19 | 24 | 38.0 | 35.0 | 49.0 | 20.5 | 12.0 | 30.0 | 24.0 | 6.5 | 15.0 | 21.050 |
| SO NV 41A40E-10-1/2 | 028.1800.285 | 50 | 14x1.0 | 17 | 19 | 24 | 39.0 | 35.0 | 49.0 | 20.5 | 12.0 | 29.0 | 24.0 | 6.5 | 15.0 | 23.640 |
| SO NV 41A40E-12-1/4 | 028.1800.380 | 50 | 16x1.0 | 19 | 19 | 24 | 39.0 | 36.5 | 49.0 | 20.5 | 12.0 | 31.0 | 24.0 | 8.3 | 21.5 | 21.870 |
| SO NV 41A40E-12-3/8 | 028.1800.390 | 50 | 16x1.0 | 19 | 19 | 24 | 39.0 | 36.5 | 49.0 | 20.5 | 12.0 | 31.0 | 24.0 | 8.3 | 21.5 | 22.630 |
| SO NV 41A40E-12-1/2 | 028.1800.400 | 50 | 16x1.0 | 19 | 19 | 24 | 40.0 | 36.5 | 49.0 | 20.5 | 12.0 | 30.0 | 24.0 | 8.3 | 21.5 | 24.600 |
| SO NV 41A40E-14-1/2 | 028.1800.504 | 50 | 20x1.5 | 24 | 22 | 27 | 44.0 | 40.0 | 57.5 | 24.5 | 15.0 | 34.0 | 27.0 | 10.8 | 29.0 | 36.170 |
| SO NV 41A40E-15-1/2 | 028.1800.534 | 50 | 20x1.5 | 24 | 22 | 27 | 44.0 | 40.0 | 57.5 | 24.5 | 15.0 | 34.0 | 27.0 | 10.8 | 29.0 | 36.490 |
| Für Zollrohre | | | | Pour tubes pouces | | | | | | | | For inch tubes | | | | |
| SO NV 41A40E-9,52-1/4 | 028.1800.230 | 50 | 14x1.0 | 17 | 19 | 24 | 38.0 | 35.0 | 49.0 | 20.5 | 12.0 | 30.0 | 24.0 | 6.5 | 15.0 | 20.360 |
| SO NV 41A40E-9,52-3/8 | 028.1800.235 | 50 | 14x1.0 | 17 | 19 | 24 | 38.0 | 35.0 | 49.0 | 20.5 | 12.0 | 30.0 | 24.0 | 6.5 | 15.0 | 21.090 |
| SO NV 41A40E-9,52-1/2 | 028.1800.240 | 50 | 14x1.0 | 17 | 19 | 24 | 39.0 | 35.0 | 49.0 | 20.5 | 12.0 | 29.0 | 24.0 | 6.5 | 15.0 | 23.680 |

 Umrechnung für "d" bei Zollrohren:
 9,52 = 3/8

 Conversion de "d" pour tubes en pouces:
 9,52 = 3/8

 Conversion for "d" for inch tubes:
 9,52 = 3/8

 D = ø 26 mm ≤ Anschlussgröße 8
 ø 36 mm ≥ Anschlussgröße 9,52

 D = ø 26 mm ≤ Dimension 8
 ø 36 mm ≥ Dimension 9,52

 D = ø 26 mm ≤ Dimension 8
 ø 36 mm ≥ Dimension 9,52

Montagehinweis: Nippel ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle-mâle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Assembly information: Male adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

 d=Rohrassen-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet
 *=mit reduziertem Klemmring

 d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert
 *=avec bague de serrage de réduction

 d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve opened
 *=with reduced compression ferrule

Regulier-Eckventil

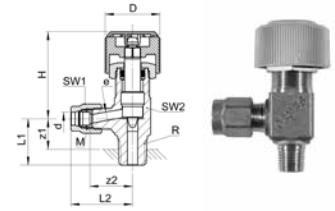
mit Einschraubgewinde

Vanne-équerre de réglage

avec filetage

Elbow regulating valve

with male adaptor thread



SO NV 41A21EB

| Type -d -R | Mat.-Nr. | bar | M | SW1 | SW2 | L1 | L2 | D | H | z1 | z2 | e | kv | kg/100 |
|-------------------------|--------------|-----|--------|------------------------------|-----|------|------|------|------|------------------------|------|------|------|--------|
| Für metrische Rohre | | | | Pour tubes métriques | | | | | | For metric tubes | | | | |
| R=Rohrgewinde (kegelig) | | | | R=Filetage-gaz BSP (conique) | | | | | | R=BSP thread (tapered) | | | | |
| * SO NV 41A21EB-4-1/8 | 028.1600.060 | 50 | 10x1.0 | 12 | 14 | 19.0 | 27.5 | 26.0 | 46.0 | 14.0 | 20.0 | 3.4 | 3.5 | 9.500 |
| * SO NV 41A21EB-5-1/8 | 028.1600.082 | 50 | 10x1.0 | 12 | 14 | 19.0 | 27.5 | 26.0 | 46.0 | 14.0 | 20.0 | 4.0 | 3.5 | 9.400 |
| SO NV 41A21EB-6-1/8 | 028.1600.100 | 50 | 10x1.0 | 12 | 14 | 19.0 | 27.5 | 26.0 | 46.0 | 14.0 | 20.0 | 4.0 | 3.5 | 9.400 |
| SO NV 41A21EB-6-1/4 | 028.1600.110 | 50 | 10x1.0 | 12 | 14 | 22.0 | 27.5 | 26.0 | 46.0 | 14.0 | 20.0 | 4.0 | 3.5 | 10.000 |
| SO NV 41A21EB-8-1/8 | 028.1600.160 | 50 | 12x1.0 | 14 | 14 | 20.0 | 29.0 | 26.0 | 46.0 | 15.0 | 21.0 | 4.0 | 7.5 | 9.900 |
| SO NV 41A21EB-8-1/4 | 028.1600.170 | 50 | 12x1.0 | 14 | 14 | 22.0 | 29.0 | 26.0 | 46.0 | 14.0 | 21.0 | 4.8 | 7.5 | 10.600 |
| SO NV 41A21EB-10-1/4 | 028.1600.270 | 50 | 14x1.0 | 17 | 19 | 25.5 | 34.0 | 36.0 | 54.0 | 17.5 | 24.0 | 6.5 | 15.0 | 18.500 |
| SO NV 41A21EB-12-1/4 | 028.1600.380 | 50 | 16x1.0 | 19 | 19 | 25.5 | 36.0 | 36.0 | 54.0 | 17.5 | 24.0 | 8.3 | 21.5 | 19.200 |
| SO NV 41A21EB-12-3/8 | 028.1600.390 | 50 | 16x1.0 | 19 | 19 | 25.5 | 36.0 | 36.0 | 54.0 | 17.5 | 24.0 | 8.3 | 21.5 | 20.000 |
| SO NV 41A21EB-14-1/2 | 028.1600.504 | 50 | 20x1.5 | 24 | 22 | 31.0 | 40.0 | 36.0 | 66.0 | 21.0 | 27.5 | 10.8 | 29.0 | 32.900 |
| SO NV 41A21EB-15-1/2 | 028.1600.534 | 50 | 20x1.5 | 24 | 22 | 31.0 | 40.0 | 36.0 | 66.0 | 21.0 | 27.5 | 10.8 | 29.0 | 32.900 |

| Für Zollrohre | | | | Pour tubes pouces | | | | | | For inch tubes | | | | |
|--------------------------|--------------|----|--------|-------------------|----|------|------|------|------|----------------|------|------|------|--------|
| SO NV 41A21EB-6,35-1/8 | 028.1600.135 | 50 | 10x1.0 | 12 | 14 | 19.0 | 27.5 | 26.0 | 46.0 | 14.0 | 20.0 | 4.0 | 3.5 | 9.400 |
| SO NV 41A21EB-9,52-3/8 | 028.1600.230 | 50 | 14x1.0 | 17 | 19 | 25.5 | 34.0 | 36.0 | 54.0 | 17.5 | 24.0 | 6.5 | 15.0 | 18.600 |
| * SO NV 41A21EB-12,7-1/2 | 028.1600.434 | 50 | 20x1.5 | 24 | 22 | 31.0 | 40.0 | 36.0 | 66.0 | 21.0 | 27.5 | 10.8 | 29.0 | 33.300 |

Umrechnung für "d" bei Zollrohren:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion de "d" pour tubes en pouces:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion for "d" for inch tubes:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

d=Rohrassen-ø

e=kleinste Bohrung

kv=Kenngröße für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

H=Ventil geöffnet

*=mit reduziertem Klemmring

d=ø extérieur du tube

e=ø-min. de passage

kv=facteur d'écoulement (l/min)

L=après montage

H=vanne ouvert

*=avec bague de serrage de réduction

d=tube outside diameter

e=minimum bore

kv=flow factor (l/min)

L=installed length

H=valve opened

*=with reduced compression ferrule

Regulier-Eckventil

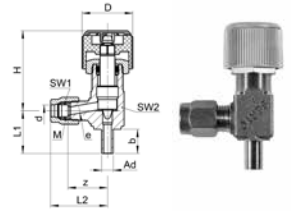
mit Einstellzapfen

Vanne-équerre de réglage

orientable

Elbow regulating valve

adjustable



SO NV 41A21EL

| Type -d -Ad | Mat.-Nr. | bar | M | SW1 | SW2 | L1 | L2 | D | H | b | z | e | kv | kg/100 | |
|----------------------|--------------|-----|----------------------|-----|-----|------|------|------------------|------|------|------|-----|-----|--------|--|
| Für metrische Rohre | | | Pour tubes métriques | | | | | For metric tubes | | | | | | | |
| * SO NV 41A21EL-4-A6 | 028.1560.045 | 50 | 10x1.0 | 12 | 14 | 22.0 | 27.5 | 26.0 | 46.0 | 12.5 | 20.0 | 3.4 | 3.5 | 9.400 | |
| * SO NV 41A21EL-5-A6 | 028.1560.053 | 50 | 10x1.0 | 12 | 14 | 22.0 | 27.5 | 26.0 | 46.0 | 12.5 | 20.0 | 4.0 | 3.5 | 9.400 | |
| SO NV 41A21EL-6-A6 | 028.1560.060 | 50 | 10x1.0 | 12 | 14 | 22.0 | 27.5 | 26.0 | 46.0 | 12.5 | 20.0 | 4.0 | 3.5 | 9.400 | |
| * SO NV 41A21EL-6-A8 | 028.1560.063 | 50 | 12x1.0 | 14 | 14 | 22.0 | 29.0 | 26.0 | 46.0 | 12.5 | 21.0 | 4.5 | 3.5 | 10.600 | |
| SO NV 41A21EL-8-A8 | 028.1560.080 | 50 | 12x1.0 | 14 | 14 | 22.0 | 29.0 | 26.0 | 46.0 | 12.5 | 21.0 | 5.0 | 7.5 | 10.600 | |

Für Zollrohre

Pour tubes pouces

For inch tubes

| | | | | | | | | | | | | | | |
|-----------------------|--------------|----|--------|----|----|------|------|------|------|------|------|-----|-----|-------|
| SO NV 41A21EL-6,35-A6 | 028.1560.067 | 50 | 10x1.0 | 12 | 14 | 22.0 | 27.5 | 26.0 | 46.0 | 12.5 | 20.0 | 4.0 | 3.5 | 9.400 |
|-----------------------|--------------|----|--------|----|----|------|------|------|------|------|------|-----|-----|-------|

Umrechnung für "d" bei Zollrohren:
6,35 = 1/4

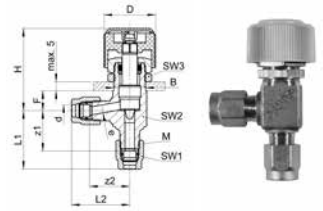
Conversion de "d" pour tubes en pouces:
6,35 = 1/4

Conversion for "d" for inch tubes:
6,35 = 1/4

d=Rohraussen-ø
Ad=Aussen-ø der Andrehung
kv=Kenngröße für das Durchflussverhalten (l/min)
L=Mass in montiertem Zustand
H=Ventil geöffnet
*=mit reduziertem Klemmring

d=ø extérieur du tube
Ad=ø extérieur de la portée cylindrique
kv=facteur d'écoulement (l/min)
L=après montage
H=vanne ouvert
*=avec bague de serrage de réduction

d=tube outside diameter
Ad=outside diameter of cyl. stub
kv=flow factor (l/min)
L=installed length
H=valve opened
*=with reduced compression ferrule

Feinregulier-Eckventil
Vanne-équerre de réglage fin
Elbow fine regulating valve

SO NV 41C21E

| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | z1 | z2 | e | kv | kg/100 | |
|---------------------|--------------|----------------------|--------|-----|-----|-----|------|------------------|------|------|------|------|------|------|------|--------|--|
| Für metrische Rohre | | Pour tubes métriques | | | | | | For metric tubes | | | | | | | | | |
| * SO NV 41C21E-4 | 028.2000.040 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 27.5 | 41.0 | 16.5 | 10.0 | 20.0 | 20.0 | 3.4 | 3.0 | 10.500 | |
| * SO NV 41C21E-5 | 028.2000.050 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 27.5 | 41.0 | 16.5 | 10.0 | 20.0 | 20.0 | 4.0 | 3.0 | 10.400 | |
| SO NV 41C21E-6 | 028.2000.060 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 27.5 | 41.0 | 16.5 | 10.0 | 20.0 | 20.0 | 4.0 | 3.0 | 10.300 | |
| SO NV 41C21E-8 | 028.2000.080 | 50 | 12x1.0 | 14 | 14 | 19 | 29.0 | 29.0 | 41.0 | 16.5 | 10.0 | 21.0 | 21.0 | 4.8 | 9.0 | 11.400 | |
| SO NV 41C21E-10 | 028.2000.100 | 50 | 14x1.0 | 17 | 19 | 24 | 35.0 | 35.0 | 45.0 | 20.5 | 12.0 | 24.0 | 24.0 | 6.5 | 15.0 | 20.500 | |
| SO NV 41C21E-12 | 028.2000.120 | 50 | 16x1.0 | 19 | 19 | 24 | 36.5 | 36.5 | 45.0 | 20.5 | 12.0 | 24.0 | 24.0 | 8.3 | 21.5 | 22.100 | |
| SO NV 41C21E-14 | 028.2000.140 | 50 | 20x1.5 | 24 | 22 | 27 | 40.0 | 40.0 | 53.0 | 24.5 | 15.0 | 27.5 | 27.5 | 10.8 | 29.0 | 36.600 | |
| SO NV 41C21E-15 | 028.2000.150 | 50 | 20x1.5 | 24 | 22 | 27 | 40.0 | 40.0 | 53.0 | 24.5 | 15.0 | 27.5 | 27.5 | 10.8 | 29.0 | 36.300 | |
| Für Zollrohre | | Pour tubes pouces | | | | | | For inch tubes | | | | | | | | | |
| SO NV 41C21E-6,35 | 028.2000.063 | 50 | 10x1.0 | 12 | 14 | 19 | 27.5 | 27.5 | 41.0 | 16.5 | 10.0 | 20.0 | 20.0 | 4.0 | 3.0 | 10.300 | |
| SO NV 41C21E-9,52 | 028.2000.095 | 50 | 14x1.0 | 17 | 19 | 24 | 35.0 | 35.0 | 45.0 | 20.5 | 12.0 | 24.0 | 24.0 | 6.5 | 15.0 | 20.600 | |
| * SO NV 41C21E-12,7 | 028.2000.127 | 50 | 20x1.5 | 24 | 22 | 27 | 40.0 | 40.0 | 53.0 | 24.5 | 15.0 | 27.5 | 27.5 | 10.8 | 29.0 | 37.100 | |

Umrechnung für "d" bei Zollrohren:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion de "d" pour tubes en pouces:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion for "d" for inch tubes:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

 D = ø 20 mm ≤ Anschlussgrösse 8
 ø 32 mm ≥ Anschlussgrösse 9,52

 D = ø 20 mm ≤ Dimension 8
 ø 32 mm ≥ Dimension 9,52

 D = ø 20 mm ≤ Dimension 8
 ø 32 mm ≥ Dimension 9,52

 d=Rohrassen-ø
 e=kleinste Bohrung
 kv=Kenngrösse für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet
 *=mit reduziertem Klemmring

 d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert
 *=avec bague de serrage de réduction

 d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve opened
 *=with reduced compression ferrule

Feinregulier-Eckventil

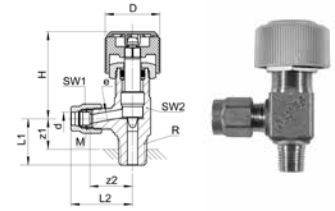
mit Einschraubgewinde

Vanne-équerre de réglage fin

avec filetage

Elbow fine regulating valve

with male adaptor thread


SO NV 41C21EB

| Type -d -R | Mat.-Nr. | bar | M | SW1 | SW2 | L1 | L2 | D | H | z1 | z2 | e | kv | kg/100 |
|-------------------------|--------------|-----|------------------------------|-----|-----|------|------|------|------------------------|------|------|------|------|--------|
| Für metrische Rohre | | | Pour tubes métriques | | | | | | For metric tubes | | | | | |
| R=Rohrgewinde (kegelig) | | | R=Filetage-gaz BSP (conique) | | | | | | R=BSP thread (tapered) | | | | | |
| * SO NV 41C21EB-4-1/8 | 028.2100.060 | 50 | 10x1.0 | 12 | 14 | 19.0 | 27.5 | 26.0 | 46.0 | 14.0 | 20.0 | 3.4 | 3.0 | 9.500 |
| * SO NV 41C21EB-5-1/8 | 028.2100.082 | 50 | 10x1.0 | 12 | 14 | 19.0 | 27.5 | 26.0 | 46.0 | 14.0 | 20.0 | 4.0 | 3.0 | 9.400 |
| SO NV 41C21EB-6-1/8 | 028.2100.100 | 50 | 10x1.0 | 12 | 14 | 19.0 | 27.5 | 26.0 | 46.0 | 14.0 | 20.0 | 4.0 | 3.0 | 9.400 |
| SO NV 41C21EB-6-1/4 | 028.2100.110 | 50 | 10x1.0 | 12 | 14 | 22.0 | 27.5 | 26.0 | 46.0 | 14.0 | 20.0 | 4.0 | 3.0 | 10.000 |
| SO NV 41C21EB-8-1/8 | 028.2100.160 | 50 | 12x1.0 | 14 | 14 | 20.0 | 29.0 | 26.0 | 46.0 | 15.0 | 21.0 | 4.0 | 9.0 | 9.900 |
| SO NV 41C21EB-8-1/4 | 028.2100.170 | 50 | 12x1.0 | 14 | 14 | 22.0 | 29.0 | 26.0 | 46.0 | 14.0 | 21.0 | 4.8 | 9.0 | 10.600 |
| SO NV 41C21EB-10-1/4 | 028.2100.270 | 50 | 14x1.0 | 17 | 19 | 25.5 | 34.0 | 36.0 | 54.0 | 17.5 | 24.0 | 6.5 | 15.0 | 18.500 |
| SO NV 41C21EB-12-1/4 | 028.2100.380 | 50 | 16x1.0 | 19 | 19 | 25.5 | 36.0 | 36.0 | 54.0 | 17.5 | 24.0 | 8.3 | 21.5 | 19.200 |
| SO NV 41C21EB-12-3/8 | 028.2100.390 | 50 | 16x1.0 | 19 | 19 | 25.5 | 36.0 | 36.0 | 54.0 | 17.5 | 24.0 | 8.3 | 21.5 | 20.000 |
| SO NV 41C21EB-14-1/2 | 028.2100.504 | 50 | 20x1.5 | 24 | 22 | 31.0 | 40.0 | 36.0 | 66.0 | 21.0 | 27.5 | 10.8 | 29.0 | 32.900 |
| SO NV 41C21EB-15-1/2 | 028.2100.534 | 50 | 20x1.5 | 24 | 22 | 31.0 | 40.0 | 36.0 | 66.0 | 21.0 | 27.5 | 10.8 | 29.0 | 32.900 |

| Für Zollrohre | | | Pour tubes pouces | | | | | | For inch tubes | | | | | |
|--------------------------|--------------|----|-------------------|----|----|------|------|------|----------------|------|------|------|------|--------|
| SO NV 41C21EB-6,35-1/8 | 028.2100.135 | 50 | 10x1.0 | 12 | 14 | 19.0 | 27.5 | 26.0 | 46.0 | 14.0 | 20.0 | 4.0 | 3.0 | 9.400 |
| SO NV 41C21EB-9,52-1/4 | 028.2100.230 | 50 | 14x1.0 | 17 | 19 | 25.5 | 34.0 | 36.0 | 54.0 | 17.5 | 24.0 | 6.5 | 15.0 | 19.200 |
| * SO NV 41C21EB-12,7-1/2 | 028.2100.434 | 50 | 20x1.5 | 24 | 22 | 31.0 | 40.0 | 36.0 | 66.0 | 21.0 | 27.5 | 10.8 | 29.0 | 33.300 |

Umrechnung für "d" bei Zollrohren:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion de "d" pour tubes en pouces:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion for "d" for inch tubes:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

d=Rohrassen-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet
 *=mit reduziertem Klemmring

d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert
 *=avec bague de serrage de réduction

d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve opened
 *=with reduced compression ferrule

Feinregulier-Eckventil

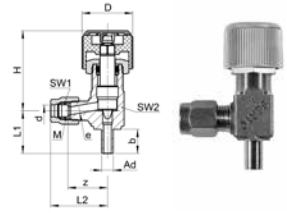
mit Einstellzapfen

Vanne-équerre de réglage fin

orientable

Elbow fine regulating valve

adjustable


SO NV 41C21EL

| Type -d -Ad | Mat.-Nr. | bar | M | SW1 | SW2 | L1 | L2 | D | H | b | z | e | kv | kg/100 | |
|----------------------|--------------|-----|----------------------|-----|-----|------|------|------------------|------|------|------|-----|-----|--------|--|
| Für metrische Rohre | | | Pour tubes métriques | | | | | For metric tubes | | | | | | | |
| * SO NV 41C21EL-4-A6 | 028.2060.045 | 50 | 10x1.0 | 12 | 14 | 22.0 | 27.5 | 26.0 | 46.0 | 12.5 | 20.0 | 3.4 | 3.0 | 9.400 | |
| * SO NV 41C21EL-5-A5 | 028.2060.053 | 50 | 10x1.0 | 12 | 14 | 22.0 | 27.5 | 26.0 | 46.0 | 12.5 | 20.0 | 4.0 | 3.0 | 9.400 | |
| SO NV 41C21EL-6-A6 | 028.2060.060 | 50 | 10x1.0 | 12 | 14 | 22.0 | 27.5 | 26.0 | 46.0 | 12.5 | 20.0 | 4.0 | 3.0 | 9.400 | |
| * SO NV 41C21EL-6-A8 | 028.2060.063 | 50 | 12x1.0 | 14 | 14 | 22.0 | 29.0 | 26.0 | 46.0 | 12.5 | 21.0 | 4.5 | 9.0 | 10.600 | |
| SO NV 41C21EL-8-A8 | 028.2060.080 | 50 | 12x1.0 | 14 | 14 | 22.0 | 29.0 | 26.0 | 46.0 | 12.5 | 21.0 | 5.0 | 9.0 | 10.600 | |

Für Zollrohre

Pour tubes pouces

For inch tubes

| | | | | | | | | | | | | | | |
|-----------------------|--------------|----|--------|----|----|------|------|------|------|------|------|-----|-----|-------|
| SO NV 41C21EL-6,35-A6 | 028.2060.067 | 50 | 10x1.0 | 12 | 14 | 22.0 | 27.5 | 26.0 | 46.0 | 12.5 | 20.0 | 4.0 | 3.0 | 9.400 |
|-----------------------|--------------|----|--------|----|----|------|------|------|------|------|------|-----|-----|-------|

 Umrechnung für "d" bei Zollrohren:
 6,35 = 1/4

 Conversion de "d" pour tubes en pouces:
 6,35 = 1/4

 Conversion for "d" for inch tubes:
 6,35 = 1/4

d=Rohraussen-ø
 Ad=Aussen-ø der Andrehung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet
 *=mit reduziertem Klemmring

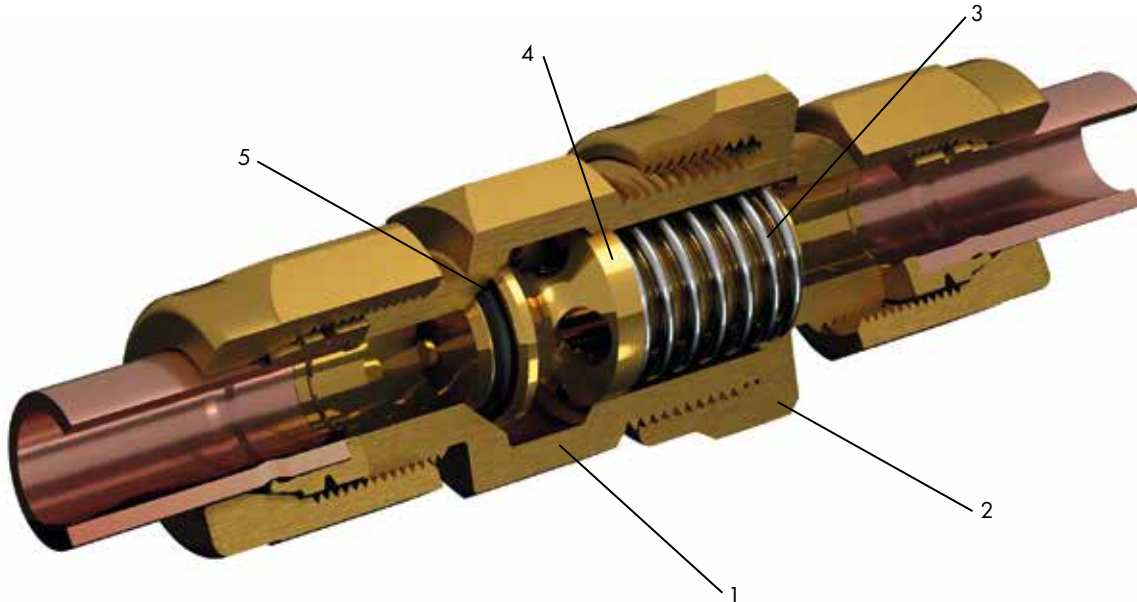
d=ø extérieur du tube
 Ad=ø extérieur de la portée cylindrique
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert
 *=avec bague de serrage de réduction

d=tube outside diameter
 Ad=outside diameter of cyl. stub
 kv=flow factor (l/min)
 L=installed length
 H=valve opened
 *=with reduced compression ferrule

Kegelrückschlagventil

Clapet anti-retour à siège conique

Taper seat non-return valve

**SO CV 43A21/
A30/A40**
12


| Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material |
|-------------------|--|----------------------------------|-------------------|--|----------------------------------|-------------------|---|----------------------------------|
| 1 | Ventilkegelführung Guidage cône du clapet Valve cone guide | Messing Laiton Brass | 3* | Druckfeder Ressort de compression Compression spring | 1.4401 | 5* | Dichtung Joint Seal | NBR |
| 2 | Ventilmutter Écrou du clapet Valve nut | Messing Laiton Brass | 4 | Ventilkegel Cône du clapet Valve cone | Messing Laiton Brass | | | |

Spezifikationen

Betriebsdruck (PN): 50 bis 100 bar
 Temperatur: -20°C bis +80°C
 Öffnungsdruck: 0.2 bar ± 0.1 bar
 Sicherheitsfaktor: 1.5-fach

Merkmale

- Funktion: Rückflussverhinderer
- Einsatz: Luft, Wasser, Öle und Flüssiggase (Beständigkeit Dichtung beachten)
- Material: Messing CW617N (CuZn40Pb2)
- Besonderes: strömungsgünstige Konstruktion, Druckstöße werden gedämpft

* Optionen

- Nr. 3 - Druckfeder: Öffnungsdruck 0.5, 1, 2, 3, 5 bar ± 20 %
- Nr. 5 - Dichtung: EPDM, FKM
- Varianten: mit Übergangsmuffe SO 40030 oder Übergangsnippel SO 40040

Spécifications

Pression de service (PN): 50 à 100 bar
 Température: -20°C à +80°C
 Pression d'ouverture: 0.2 bar ± 0.1 bar
 Facteur de sécurité: 1.5 fois

Caractéristiques

- Fonction: clapet anti-retour
- Application: air, eau, huiles et gaz liquéfiés (tenir compte de la résistance de l'étanchéité)
- Matériau: laiton CW617N (CuZn40Pb2)
- Particularités: conception favorisant l'écoulement, amortit les coups de bélier

* Options

- No. 3 - Ressort de compression: pression d'ouverture 0.5, 1, 2, 3, 5 bar ± 20 %
- No. 5 - Joint: EPDM, FKM
- Autres versions: avec adaptateur femelle SO 40030 ou mâle SO 40040

Specifications

Working pressure (PN): 50 to 100 bar
 Temperature: -20°C to +80°C
 Opening pressure: 0.2 bar ± 0.1 bar
 Safety factor: 1.5 times

Characteristics

- Function: check valve
- Uses: air, water, oils and liquid gases (check resistance of seal)
- Material: brass CW617N (CuZn40Pb2)
- Special: flow-optimised design, damps water hammer

* Options

- No. 3 - Compression spring: opening pressure 0.5, 1, 2, 3, 5 bar ± 20 %
- No. 5 - Seal: EPDM, FKM
- Other versions: with female SO 40030 or male adaptor SO 40040

Durchflussdiagramm

Der Druckabfall nimmt mit zunehmendem Durchfluss überproportional zu.

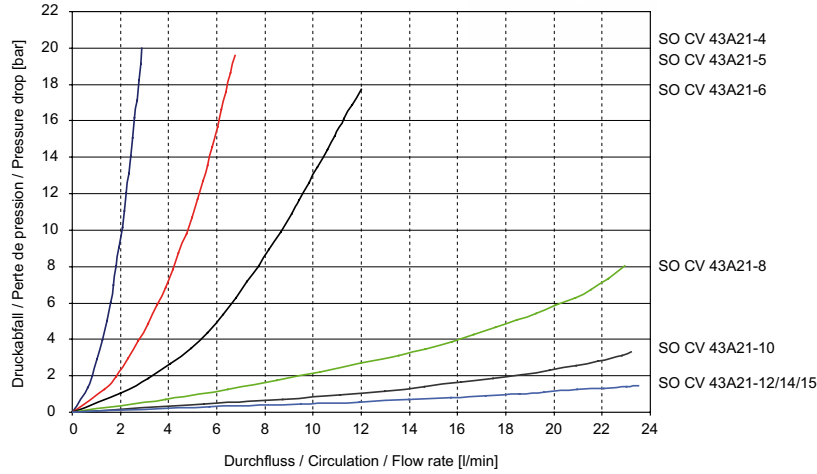
Courbe de débit

La perte de pression augmente disproportionnellement avec plus de débit.

Flow rate

The pressure drop increases disproportionately with increasing flow rate.

SO CV 43A21



Öffnungsdruckdiagramm

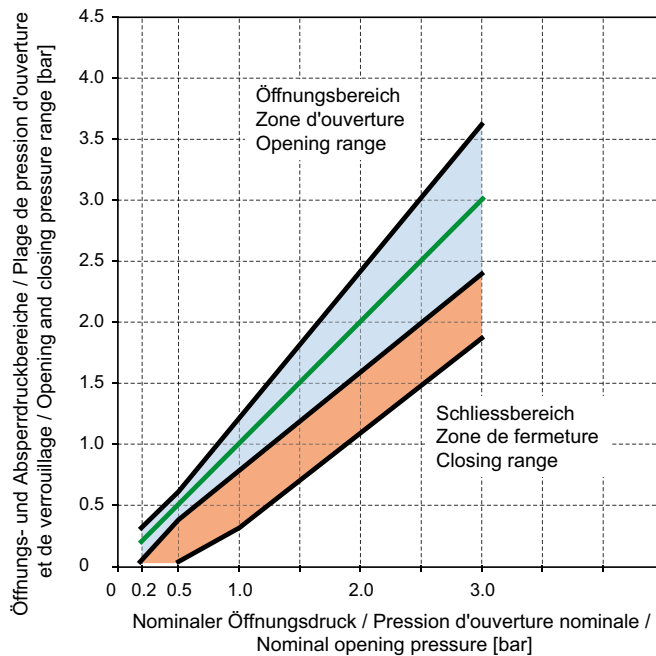
Der Öffnungsdruck bewegt sich im blau skizzierten Bereich. Das Ventil schliesst im rot skizzierten Bereich.

Courbe de pression d'ouverture

La pression d'ouverture se trouve dans la zone indiquée en bleu. La vanne se ferme dans la zone indiquée en rouge.

Opening pressure diagram

The opening pressure ranges within the blue section. The valve closes within the red section.



Sonderausführungen

siehe Kapitelübersicht

Exécutions en option

voir aperçu du chapitre

Optional services

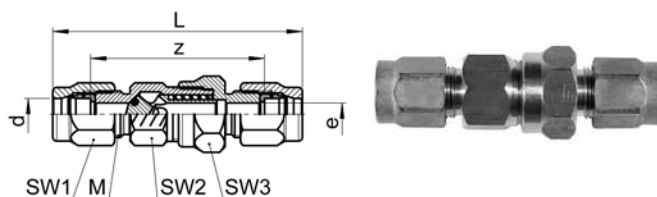
see chapter overview

Kegelrückschlagventil

Clapet anti-retour à siège conique

Taper seat non-return valve

SO CV 43A21



| Type-d | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | z | e | kg/100 | |
|---------------------|----------------------|-----|--------|------------------|-----|-----|------|------|------|--------|--|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | |
| ★ SO CV 43A21-4 | 028.3000.040 | 100 | 10x1.0 | 12 | 12 | 14 | 53.5 | 38.5 | 3.4 | 4.500 | |
| ★ SO CV 43A21-5 | 028.3000.050 | 100 | 10x1.0 | 12 | 12 | 14 | 53.5 | 38.5 | 3.8 | 4.400 | |
| SO CV 43A21-6 | 028.3000.060 | 100 | 10x1.0 | 12 | 12 | 14 | 54.0 | 39.0 | 3.8 | 4.300 | |
| SO CV 43A21-8 | 028.3000.080 | 100 | 12x1.0 | 14 | 14 | 17 | 63.0 | 47.0 | 5.8 | 6.300 | |
| SO CV 43A21-10 | 028.3000.100 | 64 | 14x1.0 | 17 | 19 | 22 | 71.0 | 51.0 | 7.5 | 12.000 | |
| ★ SO CV 43A21-12 | 028.3000.120 | 50 | 20x1.5 | 24 | 24 | 27 | 82.5 | 58.0 | 10.0 | 23.800 | |
| ★ SO CV 43A21-13 | 028.3000.130 | 50 | 20x1.5 | 24 | 24 | 27 | 82.5 | 58.0 | 11.0 | 23.600 | |
| SO CV 43A21-14 | 028.3000.140 | 50 | 20x1.5 | 24 | 24 | 27 | 82.5 | 58.0 | 11.0 | 23.100 | |
| SO CV 43A21-15 | 028.3000.150 | 50 | 20x1.5 | 24 | 24 | 27 | 82.5 | 58.0 | 11.0 | 23.000 | |

| Für Zollrohre | Pour tubes pouces | | | For inch tubes | | | | | | | |
|--------------------|-------------------|-----|--------|----------------|----|----|------|------|------|--------|--|
| SO CV 43A21-6,35 | 028.3000.063 | 100 | 10x1.0 | 12 | 12 | 14 | 54.0 | 39.0 | 3.8 | 4.300 | |
| SO CV 43A21-9,52 | 028.3000.095 | 64 | 14x1.0 | 17 | 19 | 22 | 71.0 | 47.0 | 7.5 | 12.000 | |
| ★ SO CV 43A21-12,7 | 028.3000.127 | 50 | 20x1.5 | 24 | 24 | 27 | 82.5 | 58.0 | 11.0 | 23.700 | |

Umrechnung für "d" bei Zollrohren:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion de "d" pour tubes en pouces:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion for "d" for inch tubes:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

d=Rohraussen-ø
 e=kleinste Bohrung
 L=Mass in montiertem Zustand
 *=mit reduziertem Klemmring

d=ø extérieur du tube
 e=ø-min. de passage
 L=après montage
 *=avec bague de serrage de réduction

d=tube outside diameter
 e=minimum bore
 L=installed length
 *=with reduced compression ferrule

Kegelrückschlagventil

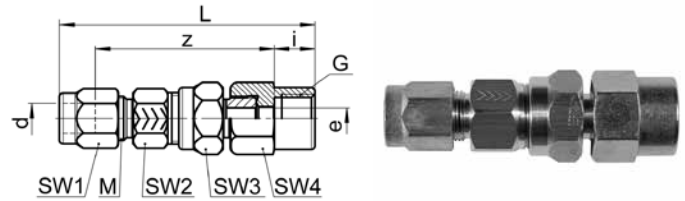
mit Übergangsmuffe SO 40030

Clapet anti-retour à siège conique

avec adaptateur femelle SO 40030

Taper seat non-return valve

with female adaptor SO 40030



SO CV 43A30

| Type -d-G | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | SW4 | L | i | z | e | kg/100 |
|-----------------------------|--------------|-----|--------|----------------------------------|-----|-----|-----|-------------------------|------|------|------|--------|
| G=Rohrgewinde (zylindrisch) | | | | G=Filetage-gaz BSP (cylindrique) | | | | G=BSP thread (parallel) | | | | |
| * SO CV 43A30-4-1/4 | 028.3300.065 | 100 | 10x1.0 | 12 | 12 | 14 | 17 | 60.0 | 11.0 | 41.5 | 3.4 | 5.080 |
| SO CV 43A30-6-1/8 | 028.3300.100 | 100 | 10x1.0 | 12 | 12 | 14 | 14 | 59.0 | 10.0 | 41.5 | 3.8 | 4.110 |
| SO CV 43A30-6-1/4 | 028.3300.110 | 100 | 10x1.0 | 12 | 12 | 14 | 17 | 60.0 | 11.0 | 41.5 | 3.8 | 4.970 |
| SO CV 43A30-6-3/8 | 028.3300.120 | 100 | 10x1.0 | 12 | 12 | 14 | 22 | 61.0 | 12.0 | 41.5 | 3.8 | 7.240 |
| SO CV 43A30-8-1/8 | 028.3300.160 | 100 | 12x1.0 | 14 | 14 | 17 | 17 | 65.5 | 10.0 | 47.5 | 5.8 | 6.410 |
| SO CV 43A30-8-1/4 | 028.3300.170 | 100 | 12x1.0 | 14 | 14 | 17 | 17 | 67.5 | 11.0 | 48.5 | 5.8 | 6.160 |
| SO CV 43A30-8-3/8 | 028.3300.180 | 100 | 12x1.0 | 14 | 14 | 17 | 22 | 67.5 | 12.0 | 47.5 | 5.8 | 8.400 |
| SO CV 43A30-10-1/4 | 028.3300.270 | 64 | 14x1.0 | 17 | 19 | 22 | 17 | 74.5 | 11.0 | 53.5 | 7.5 | 8.530 |
| SO CV 43A30-10-3/8 | 028.3300.280 | 64 | 14x1.0 | 17 | 19 | 22 | 22 | 76.5 | 12.0 | 54.5 | 7.5 | 11.200 |
| * SO CV 43A30-12-3/8 | 028.3300.390 | 50 | 20x1.5 | 24 | 24 | 27 | 24 | 86.5 | 12.0 | 61.0 | 10.0 | 17.780 |
| * SO CV 43A30-12-1/2 | 028.3300.400 | 50 | 20x1.5 | 24 | 24 | 27 | 27 | 87.5 | 14.0 | 61.0 | 10.0 | 19.810 |
| * SO CV 43A30-12-3/4 | 028.3300.405 | 50 | 20x1.5 | 24 | 24 | 27 | 32 | 90.5 | 17.0 | 61.0 | 10.0 | 23.660 |
| SO CV 43A30-14-1/2 | 028.3300.504 | 50 | 20x1.5 | 24 | 24 | 27 | 27 | 87.5 | 14.0 | 61.0 | 11.0 | 19.590 |
| SO CV 43A30-15-1/2 | 028.3300.534 | 50 | 20x1.5 | 24 | 24 | 27 | 27 | 87.5 | 14.0 | 61.0 | 11.0 | 19.270 |

Montagehinweis: Muffe ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Assembly information: Female adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

d=Rohrassen- \emptyset
 e=kleinste Bohrung
 L=Mass in montiertem Zustand
 *=mit reduziertem Klemmring

d= \emptyset extérieur du tube
 e= \emptyset -min. de passage
 L=après montage
 *=avec bague de serrage de réduction

d=tube outside diameter
 e=minimum bore
 L=installed length
 *=with reduced compression ferrule

Kegelrückschlagventil

mit Übergangsnippel SO 40040

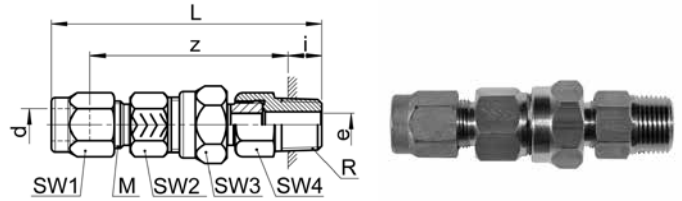
Clapet anti-retour à siège conique

avec adaptateur mâle SO 40040

Taper seat non-return valve

with male adaptor SO 40040

SO CV 43A40



| Type -d-R | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | SW4 | L | i | z | e | kg/100 |
|-------------------------|--------------|-----|--------|------------------------------|-----|-----|-----|------------------------|------|------|------|--------|
| R=Rohrgewinde (kegelig) | | | | R=Filetage-gaz BSP (conique) | | | | R=BSP thread (tapered) | | | | |
| * SO CV 43A40-4-1/4 | 028.3400.065 | 100 | 10x1.0 | 12 | 12 | 14 | 14 | 58.5 | 8.0 | 43.0 | 3.4 | 4.400 |
| SO CV 43A40-6-1/8 | 028.3400.100 | 100 | 10x1.0 | 12 | 12 | 14 | 12 | 54.0 | 5.0 | 41.5 | 3.8 | 3.240 |
| SO CV 43A40-6-1/4 | 028.3400.110 | 100 | 10x1.0 | 12 | 12 | 14 | 14 | 58.5 | 8.0 | 43.0 | 3.8 | 4.300 |
| SO CV 43A40-6-3/8 | 028.3400.120 | 100 | 10x1.0 | 12 | 12 | 14 | 17 | 57.0 | 8.0 | 41.5 | 3.8 | 5.450 |
| SO CV 43A40-8-1/8 | 028.3400.160 | 100 | 12x1.0 | 14 | 14 | 17 | 14 | 61.0 | 5.0 | 48.0 | 5.0 | 4.600 |
| SO CV 43A40-8-1/4 | 028.3400.170 | 100 | 12x1.0 | 14 | 14 | 17 | 14 | 65.0 | 8.0 | 49.0 | 5.8 | 5.100 |
| SO CV 43A40-8-3/8 | 028.3400.180 | 100 | 12x1.0 | 14 | 14 | 17 | 17 | 64.5 | 8.0 | 48.5 | 5.8 | 6.600 |
| SO CV 43A40-10-1/4 | 028.3400.270 | 64 | 14x1.0 | 17 | 19 | 22 | 17 | 73.0 | 8.0 | 55.0 | 7.5 | 8.150 |
| SO CV 43A40-10-3/8 | 028.3400.280 | 64 | 14x1.0 | 17 | 19 | 22 | 17 | 72.5 | 8.0 | 54.5 | 7.5 | 8.880 |
| * SO CV 43A40-12-3/8 | 028.3400.390 | 50 | 20x1.5 | 24 | 24 | 27 | 24 | 82.5 | 8.0 | 62.0 | 10.0 | 16.450 |
| * SO CV 43A40-12-1/2 | 028.3400.400 | 50 | 20x1.5 | 24 | 24 | 27 | 24 | 83.5 | 10.0 | 61.0 | 10.0 | 17.110 |
| * SO CV 43A40-12-3/4 | 028.3400.405 | 50 | 20x1.5 | 24 | 24 | 27 | 27 | 85.0 | 12.0 | 60.5 | 10.0 | 20.930 |
| SO CV 43A40-14-1/2 | 028.3400.504 | 50 | 20x1.5 | 24 | 24 | 27 | 24 | 83.5 | 10.0 | 61.0 | 11.0 | 16.890 |
| SO CV 43A40-15-1/2 | 028.3400.534 | 50 | 20x1.5 | 24 | 24 | 27 | 24 | 83.5 | 10.0 | 61.0 | 11.0 | 17.290 |

Montagehinweis: Nippel ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle-mâle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Assembly information: Male adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

d=Rohraussen- \varnothing
e=kleinste Bohrung
L=Mass in montiertem Zustand
*=mit reduziertem Klemmring

d= \varnothing extérieur du tube
e= \varnothing -min. de passage
L=après montage
*=avec bague de serrage de réduction

d=tube outside diameter
e=minimum bore
L=installed length
*=with reduced compression ferrule

Schwenkverschraubung

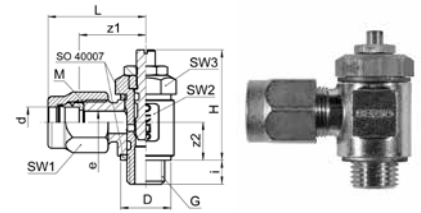
mit Drossel-Ventil

Coude banjo

avec limiteur de débit

Single banjo

with throttle valve

SO 47624


| Type -d-G | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | D | H | i | z1 | z2 | e | kv | kg/100 |
|-----------------------------|--------------|-----|--------|-----|-----|-----|------|------|------|-----|------|------|-----|-----|--------|
| Für metrische Rohre | | | | | | | | | | | | | | | |
| G=Rohrgewinde (zylindrisch) | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| * SO 47624-3-1/8 | 028.7600.040 | 16 | 8x1.0 | 10 | 14 | 14 | 24.0 | 15.0 | 26.0 | 6.5 | 17.5 | 10.0 | 2.5 | 3.0 | 4.000 |
| SO 47624-4-1/8 | 028.7600.060 | 16 | 8x1.0 | 10 | 14 | 14 | 23.5 | 15.0 | 26.0 | 6.5 | 17.5 | 10.0 | 3.4 | 3.0 | 3.800 |
| SO 47624-5-1/8 | 028.7600.082 | 16 | 8x1.0 | 10 | 14 | 14 | 24.0 | 15.0 | 26.0 | 6.5 | 17.5 | 10.0 | 4.0 | 3.0 | 3.700 |
| SO 47624-6-1/8 | 028.7600.100 | 16 | 10x1.0 | 12 | 14 | 14 | 25.0 | 15.0 | 26.0 | 6.5 | 17.5 | 10.0 | 4.0 | 3.0 | 4.300 |
| * SO 47624-6-1/4 | 028.7600.110 | 16 | 12x1.0 | 14 | 19 | 19 | 29.0 | 20.0 | 31.5 | 8.0 | 21.0 | 13.5 | 4.5 | 6.0 | 8.600 |
| SO 47624-8-1/8 | 028.7600.160 | 16 | 12x1.0 | 14 | 14 | 14 | 25.5 | 15.0 | 31.5 | 6.5 | 17.5 | 10.0 | 3.5 | 3.0 | 4.600 |
| SO 47624-8-1/4 | 028.7600.170 | 16 | 12x1.0 | 14 | 19 | 19 | 29.0 | 20.0 | 31.5 | 8.0 | 21.0 | 13.5 | 5.0 | 6.0 | 8.400 |
| SO 47624-10-1/4 | 028.7600.270 | 16 | 14x1.0 | 17 | 19 | 19 | 32.0 | 20.0 | 31.5 | 8.0 | 21.0 | 13.5 | 5.0 | 6.0 | 9.000 |
| Für Zollrohre | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| SO 47624-6,35-1/8 | 028.7600.135 | 16 | 10x1.0 | 12 | 14 | 14 | 25.0 | 15.0 | 26.0 | 6.5 | 17.5 | 10.0 | 3.5 | 3.0 | 4.200 |
| SO 47624-9,52-1/4 | 028.7600.230 | 16 | 14x1.0 | 17 | 19 | 19 | 31.0 | 20.0 | 31.5 | 8.0 | 21.0 | 13.5 | 5.0 | 6.0 | 9.100 |

Umrechnung für "d" bei Zollrohren:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

Conversion de "d" pour tubes en pouces:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

Conversion for "d" for inch tubes:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

Temperatur: -20°C bis +80°C

Température: -20°C à +80°C

Temperature: -20°C to +80°C

Dieses Drossel-Ventil dient zur Regulierung der Ströme von Gas- und Flüssigmedien in beiden Richtungen. Die Spindelfixierung mittels Kontermutter garantiert, dass sich die Spindel auch bei Vibration nicht verstellt.

Einsatz: ideal für Luft, Wasser, Öle

Ce limiteur de débit est utilisé pour réguler le débit des fluides gazeux et liquides dans les deux sens. La fixation de la broche à l'aide d'un contre-écrou garantit que la broche ne se déplace pas, même en cas de vibrations.

Utilisation: idéal pour l'air, l'eau, les huiles

This throttle valve is used to regulate the flow of gas and liquid media in both directions. The spindle fixation by means of a counter-nut assures that spindle does not shift, even in case of vibration.

Use: ideal for air, water oils

Werkstoffe:

Körper, Ventileinsatz, Anschlüsse: Messing

O-Ring: NBR

Matériaux:

Soupape, pointeau, écrous: laiton

Joint torique: NBR

Materials:

Body, components, connections: brass

O-ring: NBR

Sicherheitsfaktor Betriebsdruck (PN): 1.5-fach

Facteur de sécurité pression de service (PN):

1.5 fois

Safety factor working pressure (PN): 1.5 times

d=Rohraussen-ø

e=kleinste Bohrung

kv=Kenngröße für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

*=mit reduziertem Klemmring

d=ø extérieur du tube

e=ø-min. de passage

kv=facteur d'écoulement (l/min)

L=après montage

*=avec bague de serrage de réduction

d=tube outside diameter

e=minimum bore

kv=flow factor (l/min)

L=installed length

*=with reduction compression ferrule

Schwenkverschraubung

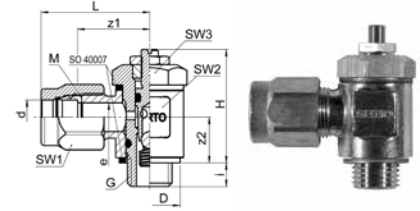
mit Drossel-Rückschlagventil

Coude banjo

avec clapet anti-retour limiteur de débit

Single banjo

with throttle non-return valve

SO 47724


| Type -d-G | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | D | H | i | z1 | z2 | e | kv | kg/100 |
|-----------------------------|--------------|-----|--------|-----|-----|-----|------|------|------|-----|------|------|-----|-----|--------|
| Für metrische Rohre | | | | | | | | | | | | | | | |
| G=Rohrgewinde (zylindrisch) | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| * SO 47724-3-1/8 | 028.7700.040 | 16 | 8x1.0 | 10 | 14 | 14 | 24.0 | 15.0 | 26.0 | 6.5 | 17.5 | 10.0 | 2.5 | 3.0 | 4.000 |
| SO 47724-4-1/8 | 028.7700.060 | 16 | 8x1.0 | 10 | 14 | 14 | 23.5 | 15.0 | 26.0 | 6.5 | 17.5 | 10.0 | 3.4 | 3.0 | 3.800 |
| SO 47724-5-1/8 | 028.7700.082 | 16 | 8x1.0 | 10 | 14 | 14 | 24.0 | 15.0 | 26.0 | 6.5 | 17.5 | 10.0 | 3.5 | 3.0 | 3.700 |
| SO 47724-6-1/8 | 028.7700.100 | 16 | 10x1.0 | 12 | 14 | 14 | 25.0 | 15.0 | 26.0 | 6.5 | 17.5 | 10.0 | 3.5 | 3.0 | 4.300 |
| * SO 47724-6-1/4 | 028.7700.110 | 16 | 12x1.0 | 14 | 19 | 19 | 29.0 | 20.0 | 31.5 | 8.0 | 21.0 | 13.5 | 4.5 | 6.0 | 8.600 |
| SO 47724-8-1/8 | 028.7700.160 | 16 | 12x1.0 | 14 | 14 | 14 | 25.5 | 15.0 | 26.0 | 6.5 | 17.5 | 10.0 | 3.5 | 3.0 | 4.600 |
| SO 47724-8-1/4 | 028.7700.170 | 16 | 12x1.0 | 14 | 19 | 19 | 29.0 | 20.0 | 31.5 | 8.0 | 21.0 | 13.5 | 5.0 | 6.0 | 8.400 |
| SO 47724-10-1/4 | 028.7700.270 | 16 | 14x1.0 | 17 | 19 | 19 | 32.0 | 20.0 | 33.5 | 8.0 | 21.0 | 13.5 | 5.0 | 6.0 | 9.700 |
| Für Zollrohre | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| SO 47724-6,35-1/8 | 028.7700.135 | 16 | 10x1.0 | 12 | 14 | 14 | 25.0 | 15.0 | 26.0 | 6.5 | 17.5 | 10.0 | 3.5 | 3.0 | 4.200 |
| SO 47724-9,52-1/4 | 028.7700.230 | 16 | 14x1.0 | 17 | 19 | 19 | 31.0 | 20.0 | 31.5 | 8.0 | 21.0 | 13.5 | 5.0 | 6.0 | 9.100 |

Umrechnung für "d" bei Zollrohren:
 6,35 = 1/4
 9,52 = 3/8

Conversion de "d" pour tubes en pouces:
 6,35 = 1/4
 9,52 = 3/8

Conversion for "d" for inch tubes:
 6,35 = 1/4
 9,52 = 3/8

Temperatur: -20°C bis +80°C

Température: -20°C à +80°C

Temperatur: -20°C to +80°C

Dieses Drossel-Rückschlagventil dient zur Regulierung von Gas- und Flüssigmedien in eine Richtung und verhindert einen entgegengesetzten Medienfluss. Die Spindelfixierung mittels Kontermutter garantiert, dass sich die Spindel auch bei Vibration nicht verstellt. Einsatz: ideal für Luft, Wasser, Öle

Ce clapet anti-retour limiteur de débit est utilisé pour réguler les fluides gazeux et liquides dans un sens et empêchent l'écoulement du fluide dans le sens opposé. La fixation de la broche à l'aide d'un contre-écrou garantit que la broche ne se déplace pas, même en cas de vibrations. Utilisation: idéal pour l'air, l'eau, les huiles

This throttle non-return valve is used to regulate gas and liquid media in one direction and prevents media flow in the opposite direction. The spindle fixation by means of a counter-nut ensures that spindle does not shift, even in case of vibration. Use: ideal for air, water oils

Werkstoffe:

Körper, Ventileinsatz, Anschlüsse: Messing
 O-Ring: NBR
 Feder: Edelstahl 1.4310
 Kugel: Polyurethan

Matériaux:

Clapet, pointeau, écrous: laiton
 Joint torique: NBR
 Ressort: acier inoxydable 1.4310
 Bille: polyuréthane

Materials:

Body, components, connections: brass
 O-ring: NBR
 Spring: stainless steel 1.4310
 Ball: polyurethane

Sicherheitsfaktor Betriebsdruck (PN): 1.5-fach

Facteur de sécurité pression de service (PN): 1.5 fois

Safety factor working pressure (PN): 1.5 times

d=Rohrassens-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 *=mit reduziertem Klemmring

d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 *=avec bague de serrage de réduction

d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 *=with reduction compression ferrule

Mini-Kugelhahn

mit Innengewinde

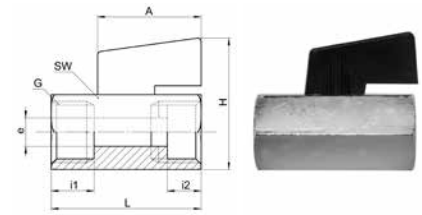
Mini vanne à bille

avec taraudage

Mini-ball valve

with female thread

SO BV 48A00



| Type -G | Mat.-Nr. | bar | SW | L | A | H | i1 | i2 | e | kv | kg/100 |
|-----------------------------|----------------------------------|-------------------------|----|------|------|------|------|------|------|-------|--------|
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | G=BSP thread (parallel) | | | | | | | | | |
| SO BV 48A00-1/8 | TKH.478.5011 | 10 | 20 | 39.0 | 30.0 | 37.5 | 9.0 | 10.0 | 8.0 | 45.0 | 9.900 |
| SO BV 48A00-1/4 | TKH.478.5012 | 10 | 20 | 39.0 | 30.0 | 37.5 | 9.0 | 10.2 | 8.0 | 67.0 | 9.500 |
| SO BV 48A00-3/8 | TKH.478.5013 | 10 | 20 | 42.0 | 30.0 | 37.5 | 12.0 | 10.0 | 8.0 | 67.0 | 8.700 |
| SO BV 48A00-1/2 | TKH.478.5014 | 10 | 24 | 47.0 | 30.0 | 41.5 | 12.0 | 11.5 | 10.0 | 90.0 | 13.200 |
| SO BV 48A00-3/4 | TKH.478.5015 | 10 | 30 | 54.0 | 30.0 | 46.5 | 14.5 | 12.0 | 13.5 | 130.0 | 19.300 |

Spezifikationen

Betriebsdruck (PN): 10 bar
 Temperatur: -10°C bis +90°C
 Sicherheitsfaktor: 1.5-fach
 Breite Anwendungsvielfalt: Ideal für Wasser, Luft, Mineralöl, für Sanitär, Heizung, Apparatebau.

Materialien

Körper: Messing CW 617N verchromt
 Kugeldichtung: PTFE
 Spindeldichtung: NBR

Dienstleistungsoptionen auf Anfrage

Spécifications

Pression de service (PN): 10 bar
 Température: -10°C à +90°C
 Facteur de sécurité: 1.5 fois
 Champ d'application étendu: Idéal pour l'eau, l'air, l'huile minérale, pour l'industrie sanitaire, le chauffage et la construction des appareils.

Matériaux

Corps: laiton CW 617N chromé
 Joint du bille: PTFE
 Joint du tige: NBR

Options de service sur demande

Specifications

Working pressure (PN): 10 bar
 Temperature: -10°C to +90°C
 Safety factor: 1.5 times
 Large field of application: Ideal for water, air, mineral oil, for sanitary purposes, heating industry and the construction of apparatus.

Materials

Body: brass CW 617N chrome-plated
 Ball gasket: PTFE
 Spindle O-ring: NBR

Optional services on request

Mini-Kugelhahn

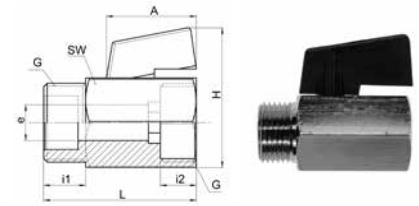
mit Innen-/Aussengewinde

Mini vanne à bille

avec taraudage/filetage

Mini-ball valve

with female/male thread

SO BV 48A05


| Type -G | Mat.-Nr. | bar | SW | L | A | H | i1 | i2 | e | kv | kg/100 |
|-----------------------------|----------------------------------|-------------------------|----|------|------|------|------|------|------|-------|--------|
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | G=BSP thread (parallel) | | | | | | | | | |
| SO BV 48A05-1/8 | TKH.478.5111 | 10 | 20 | 39.0 | 30.0 | 37.5 | 9.0 | 10.0 | 8.0 | 45.0 | 8.400 |
| SO BV 48A05-1/4 | TKH.478.5112 | 10 | 20 | 39.0 | 30.0 | 37.5 | 9.0 | 10.0 | 8.0 | 67.0 | 8.100 |
| SO BV 48A05-3/8 | TKH.478.5113 | 10 | 20 | 40.0 | 30.0 | 37.5 | 10.0 | 10.0 | 8.0 | 67.0 | 7.800 |
| SO BV 48A05-1/2 | TKH.478.5114 | 10 | 24 | 45.0 | 30.0 | 41.5 | 12.2 | 11.5 | 10.0 | 90.0 | 12.000 |
| SO BV 48A05-3/4 | TKH.478.5115 | 10 | 30 | 51.0 | 30.0 | 46.5 | 14.0 | 12.0 | 13.5 | 130.0 | 17.800 |

Spezifikationen

Betriebsdruck (PN): 10 bar
 Temperatur: -10°C bis +90°C
 Sicherheitsfaktor: 1.5-fach
 Breite Anwendungsvielfalt: Ideal für Wasser, Luft, Mineralöl, für Sanitär, Heizung, Apparatebau.

Materialien

Körper: Messing CW 617N verchromt
 Kugeldichtung: PTFE
 Spindeldichtung: NBR

Dienstleistungsoptionen auf Anfrage

Spécifications

Pression de service (PN): 10 bar
 Température: -10°C à +90°C
 Facteur de sécurité: 1.5 fois
 Champ d'application étendu: Idéal pour l'eau, l'air, l'huile minérale, pour l'industrie sanitaire, le chauffage et la construction des appareils.

Matériaux

Corps: laiton CW 617N chromé
 Joint du bille: PTFE
 Joint du tige: NBR

Options de service sur demande

Specifications

Working pressure (PN): 10 bar
 Temperature: -10°C to +90°C
 Safety factor: 1.5 times
 Large field of application: Ideal for water, air, mineral oil, for sanitary purposes, heating industry and the construction of apparatus.

Materials

Body: brass CW 617N chrome-plated
 Ball gasket: PTFE
 Spindle O-ring: NBR

Optional services on request

Mini-Kugelhahn

mit Aussengewinde

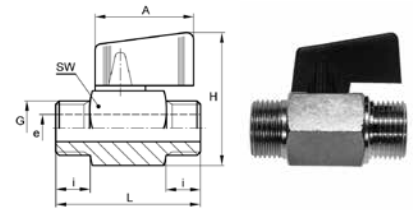
Mini vanne à bille

avec filetage

Mini-ball valve

with male thread

SO BV 48A10



| Type -G | Mat.-Nr. | bar | SW | L | A | H | i | e | kv | kg/100 |
|-----------------------------|----------------------------------|-------------------------|----|------|------|------|------|------|------|--------|
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | G=BSP thread (parallel) | | | | | | | | |
| SO BV 48A10-1/4 | TKH.478.5212 | 10 | 20 | 40.5 | 30.0 | 37.5 | 9.0 | 8.0 | 67.0 | 8.100 |
| SO BV 48A10-3/8 | TKH.478.5213 | 10 | 20 | 42.5 | 30.0 | 37.5 | 10.0 | 8.0 | 67.0 | 7.800 |
| SO BV 48A10-1/2 | TKH.478.5214 | 10 | 24 | 50.0 | 30.0 | 41.5 | 11.5 | 10.0 | 90.0 | 12.000 |

Spezifikationen

Betriebsdruck (PN): 10 bar

Temperatur: -10°C bis +90°C

Sicherheitsfaktor: 1.5-fach

Breite Anwendungsvielfalt: Ideal für Wasser, Luft, Mineralöl, für Sanitär, Heizung, Apparatebau.

Materialien

Körper: Messing CW 617N verchromt

Kugeldichtung: PTFE

Spindeldichtung: NBR

Dienstleistungsoptionen auf Anfrage

Spécifications

Pression de service (PN): 10 bar

Température: -10°C à +90°C

Facteur de sécurité: 1.5 fois

Champ d'application étendu: Idéal pour l'eau, l'air, l'huile minérale, pour l'industrie sanitaire, le chauffage et la construction des appareils.

Matériaux

Corps: laiton CW 617N chromé

Joint du bille: PTFE

Joint du tige: NBR

Options de service sur demande

Specifications

Working pressure (PN): 10 bar

Temperature: -10°C to +90°C

Safety factor: 1.5 times

Large field of application: Ideal for water, air, mineral oil, for sanitary purposes, heating industry and the construction of apparatus.

Materials

Body: brass CW 617N chrome-plated

Ball gasket: PTFE

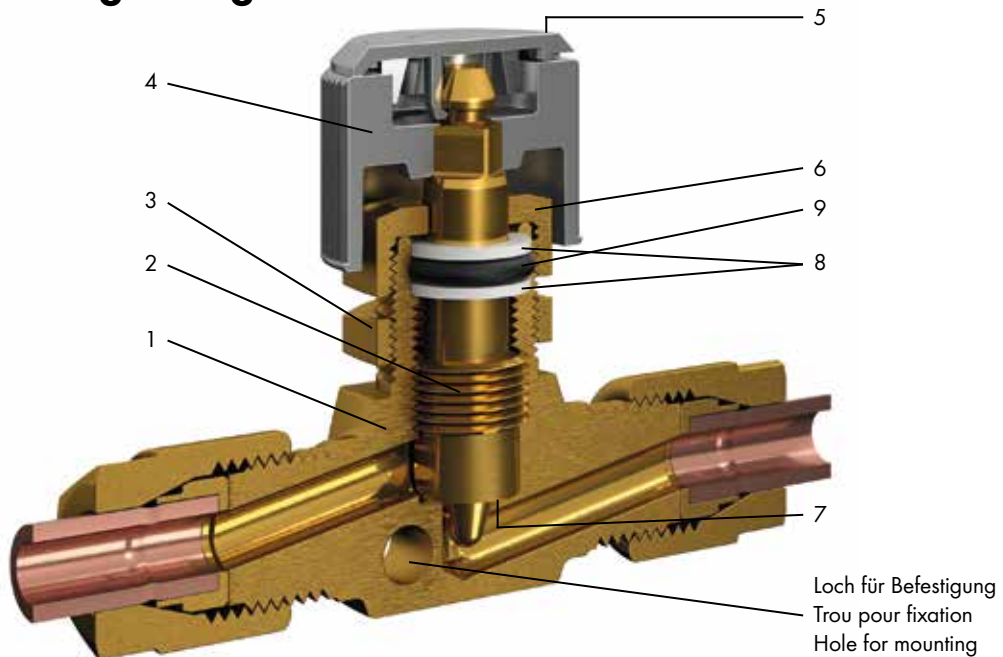
Spindle O-ring: NBR

Optional services on request

Regulier- / Feinregulierventil
Vanne de réglage / réglage fin
Regulating / fine regulating valve

SO NV 01A21
SO NV 01C21

12



| Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material |
|-------------------|---|----------------------------------|-------------------|--|------------------------------------|-------------------|--|----------------------------------|
| 1 | Ventilkörper Corps de vanne Valve body | Messing Laiton Brass | 4 | Handrad (grau) Volant (gris) Handwheel (grey) | Polyamid Polyamide Polyamide | 7* | Spindeldichtung Joint du pointeau Spindle seal | NBR/ PTFE ¹⁾ |
| 2 | Ventilspindel Pointeau de vanne Valve spindle | Messing Laiton Brass | 5* | Ventilschild (grau) Plaque indicatrice (gris) Valve label (grey) | Polyamid Polyamide Polyamide | 8 | Dichtscheibe Rondelle de joint Sealing washer | PVDF |
| 3 | Kontermutter Contre-écrou Counter nut | Messing Laiton Brass | 6* | Ventilkappe Bouchon presse-étoupe Valve cap | Messing Laiton Brass | 9 | Dichtung Joint Seal | NBR |

Spezifikationen

Betriebsdruck (PN): 50 bar
 Temperatur: -20°C bis +80°C
 Sicherheitsfaktor: 1.5-fach

Merkmale

- Funktion: Regulier- und Absperrventil
- Einsatz: Luft, Wasser, Öle und Flüssiggase (Beständigkeit Dichtung beachten)
- Material: Messing CW617N (CuZn40Pb2)
- Besonderes: kompakte Abmessungen, hohe Zuverlässigkeit

¹⁾ Regulierventil = NBR
 Feinregulierventil = PTFE

* Optionen

- Nr. 5 - Ventilschild wahlweise auch in den Farben blau, rot, grün, siehe VSD SO NV
- Nr. 6 - Drehmoment für Ventilkappe bei Schalttafelmontage = 3.4 Nm
- Nr. 7 - nur Regulierventil: EPDM, FKM
- Nr. 9 - Regulier-/Feinregulierventil: EPDM, FKM

Spécifications

Pression de service (PN): 50 bar
 Température: -20°C à +80°C
 Facteur de sécurité: 1.5 fois

Caractéristiques

- Fonction: vanne de régulation et de retenue
- Application: air, eau, huiles et gaz liquéfiés (tenir compte de la résistance de l'étanchéité)
- Matériau: laiton CW617N (CuZn40Pb2)
- Particularités: dimensions compactes, grande fiabilité

¹⁾ Vanne de réglage = NBR
 Vanne de réglage fin = PTFE

* Options

- No. 5 - Plaques au choix disponible en couleurs bleu, rouge, vert, voir VSD SO NV
- No. 6 - Couple de serrage pour bouchon de vanne dans tableau de commande = 3.4 Nm
- No. 7 - Vanne de réglage: EPDM, FKM
- No. 9 - Vanne de réglage/régulation fin: EPDM, FKM

Specifications

Working pressure (PN): 50 bar
 Temperature: -20°C to +80°C
 Safety factor: 1.5 times

Characteristics

- Function: regulating and stop valve
- Uses: air, water, oils and liquid gases (check resistance of seal)
- Material: brass CW617N (CuZn40Pb2)
- Special: compact dimensions, high reliability

¹⁾ Regulating valve = NBR
 Fine regulating valve = PTFE

* Options

- No. 5 - Valve labels also available in colors blue, red, green, see VSD SO NV
- No. 6 - Torque for valve cap in panel mounting = 3.4 Nm
- No. 7 - Regulating valve only: EPDM, FKM
- No. 9 - Regulating/fine regulating valve: EPDM, FKM

Durchflussdiagramm

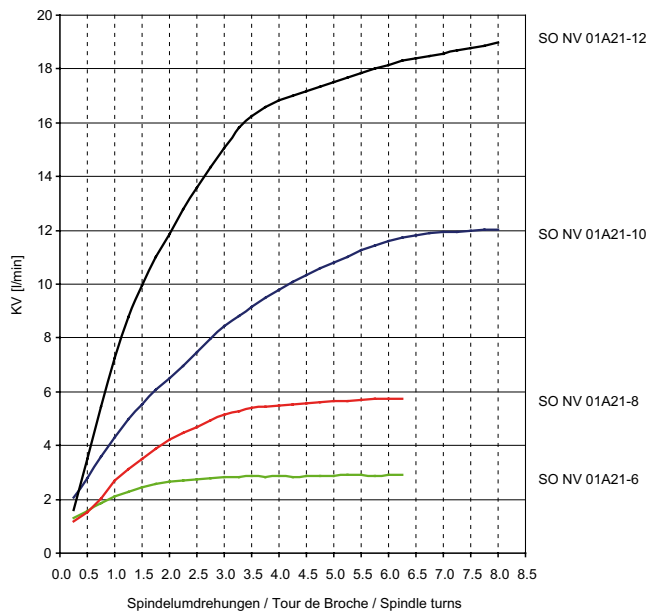
Courbe de débit

Flow rate

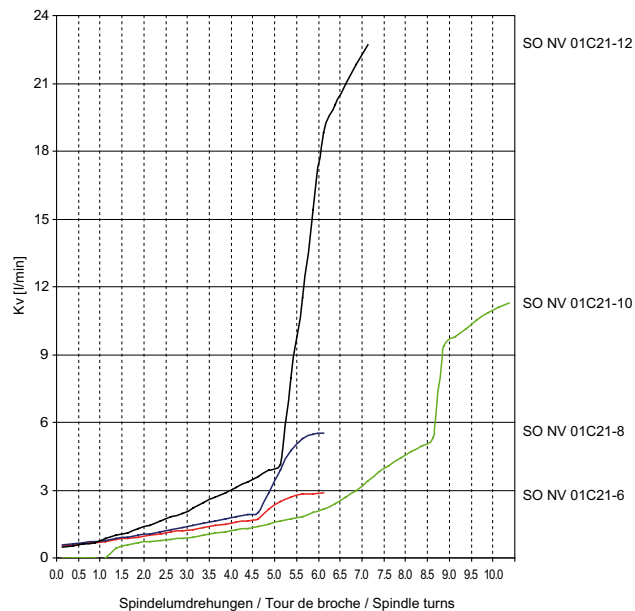
Reguliertventile / Vannes de réglage /
Regulating valves

Feinreguliertventile / Vannes de réglage fin /
Fine regulating valves

SO NV 01A21



SO NV 01C21



Sonderausführungen

siehe Kapitelübersicht

Exécutions en option

voir aperçu du chapitre

Optional services

see chapter overview

Zubehör

Anschraubfuss für Wandmontage siehe
SO 09900

Accessoires

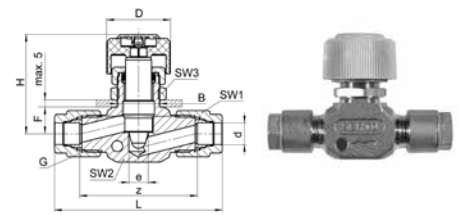
Support de fixation voir SO 09900

Accessoires

Flange mount for wall fastening see SO 09900

Reguliertventil
Vanne de réglage
Regulating valve

12



SO NV 01A21

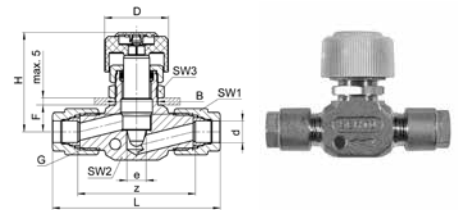
| Type -d | Mat.-Nr. | bar | G | SW1 | SW2 | SW3 | L | D | H | B | F | z | e | kv | kg/100 |
|----------------|--------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|------|--------|
| SO NV 01A21-4 | 258.7100.040 | 50 | 1/8 | 12 | 14 | 19 | 64.0 | 26.0 | 47.0 | 16.5 | 10.0 | 50.5 | 3.5 | 3.0 | 12.200 |
| SO NV 01A21-5 | 258.7100.050 | 50 | 1/8 | 12 | 14 | 19 | 66.0 | 26.0 | 47.0 | 16.5 | 10.0 | 50.5 | 4.0 | 3.0 | 12.200 |
| SO NV 01A21-6 | 258.7100.060 | 50 | 1/8 | 12 | 14 | 19 | 66.0 | 26.0 | 47.0 | 16.5 | 10.0 | 50.5 | 4.0 | 3.0 | 12.000 |
| SO NV 01A21-8 | 258.7100.080 | 50 | 1/4 | 14 | 14 | 19 | 70.5 | 26.0 | 47.0 | 16.5 | 10.0 | 51.0 | 5.0 | 5.5 | 15.000 |
| SO NV 01A21-10 | 258.7100.100 | 50 | 3/8 | 17 | 18 | 24 | 84.0 | 36.0 | 54.5 | 20.5 | 14.0 | 60.0 | 6.5 | 12.5 | 26.000 |
| SO NV 01A21-12 | 258.7100.120 | 50 | 1/2 | 19 | 22 | 27 | 95.0 | 36.0 | 66.0 | 24.5 | 15.0 | 66.5 | 9.5 | 19.0 | 33.500 |
| SO NV 01A21-14 | 258.7100.140 | 50 | 1/2 | 22 | 22 | 27 | 99.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 9.5 | 19.0 | 34.600 |
| SO NV 01A21-15 | 258.7100.150 | 50 | 1/2 | 22 | 22 | 27 | 99.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 9.5 | 19.0 | 34.800 |

d=Rohrassens-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet

d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert

d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve open

Feinreguliertventil
Vanne de réglage fin
Fine regulating valve



SO NV 01C21

| Type -d | Mat.-Nr. | bar | G | SW1 | SW2 | SW3 | L | D | H | B | F | z | e | kv | kg/100 |
|----------------|--------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|------|--------|
| SO NV 01C21-4 | 258.7200.040 | 50 | 1/8 | 12 | 14 | 19 | 64.0 | 26.0 | 47.0 | 16.5 | 10.0 | 50.5 | 3.5 | 3.0 | 12.000 |
| SO NV 01C21-5 | 258.7200.050 | 50 | 1/8 | 12 | 14 | 19 | 66.0 | 26.0 | 47.0 | 16.5 | 10.0 | 50.5 | 4.0 | 3.0 | 12.000 |
| SO NV 01C21-6 | 258.7200.060 | 50 | 1/8 | 12 | 14 | 19 | 66.0 | 26.0 | 47.0 | 16.5 | 10.0 | 50.5 | 4.0 | 3.0 | 11.800 |
| SO NV 01C21-8 | 258.7200.080 | 50 | 1/4 | 14 | 14 | 19 | 70.0 | 26.0 | 47.0 | 16.5 | 10.0 | 51.0 | 5.0 | 5.5 | 14.500 |
| SO NV 01C21-10 | 258.7200.100 | 50 | 3/8 | 17 | 18 | 24 | 84.0 | 36.0 | 54.5 | 20.5 | 14.0 | 60.0 | 6.5 | 11.5 | 25.800 |
| SO NV 01C21-12 | 258.7200.120 | 50 | 1/2 | 19 | 22 | 27 | 95.0 | 36.0 | 66.0 | 24.5 | 15.0 | 66.5 | 9.5 | 23.0 | 33.000 |
| SO NV 01C21-14 | 258.7200.140 | 50 | 1/2 | 22 | 22 | 27 | 99.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 9.5 | 23.0 | 34.400 |
| SO NV 01C21-15 | 258.7200.150 | 50 | 1/2 | 22 | 22 | 27 | 99.0 | 36.0 | 66.0 | 24.5 | 15.0 | 67.0 | 9.5 | 23.0 | 34.600 |

d=Rohrassens-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet

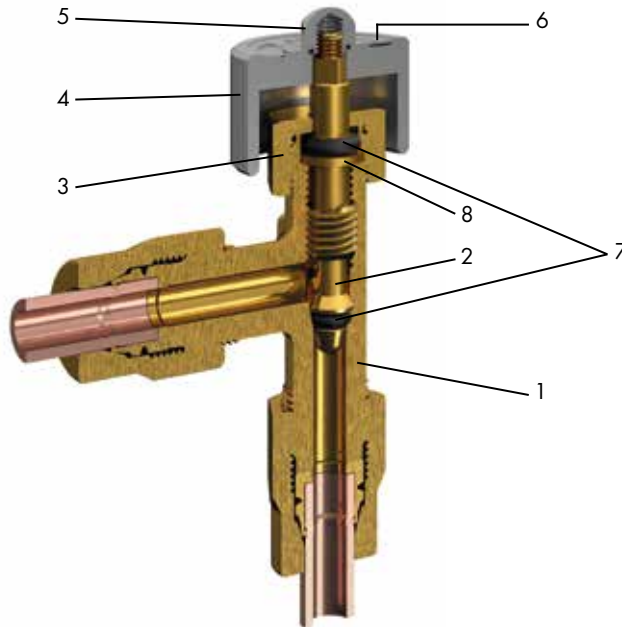
d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert

d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve open

Regulier- / Feinregulier- / Dosiereckventil
Vanne-équerre de réglage / réglage fin / précision
Elbow regulating / fine regulating / metering valve

**SO NV 01A21E/
 EL/ET**
SO NV 01C21E
SO NV 01D21E/ET

12



| Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material |
|-------------------|---|----------------------------------|-------------------|--|-----------------------------------|-------------------|---|----------------------------------|
| 1 | Ventilkörper Corps de vanne Valve body | Messing Laiton Brass | 4 | Handrad (grau) Volant (gris) Handwheel (grey) | Aluminium | 7* | Dichtung Joint Seal | NBR |
| 2 | Ventilspindel Pointeau de vanne Valve spindle | Messing Laiton Brass | 5 | Hutmutter Écrou borgne Cap nut | Mess. CV Laiton CV Brass CV | 8 | Unterlagsscheibe Rondelle Washer | Messing Laiton Brass |
| 3 | Ventilkappe Bouchon presse-étoupe Valve cap | Messing Laiton Brass | 6* | Ventilschild (schwarz) Plaque indicatrice (noir) Valve label (black) | Aluminium | | | |

Spezifikationen

Betriebsdruck (PN): 50 bar
 Temperatur: -20°C bis +80°C
 Sicherheitsfaktor: 1.5-fach

Merkmale

- Funktion:
Regulier- und Absperrventil (SO NV 01Axx)
Feinregulierventil (SO NV 01Cxx)
Dosierventil (SO NV 01Dxx)
- Einsatz: Luft, Wasser, Öle und Flüssiggase
(Beständigkeit Dichtung beachten)
- Material: Messing CW617N (CuZn40Pb2)

* Optionen

- Nr. 6 - Ventilschild wahlweise auch in den Farben blau, rot, grün, gelb, siehe VSD SO NV
- Nr. 7 - Dichtung: EPDM, FKM

Spécifications

Pression de service (PN): 50 bar
 Température: -20°C à +80°C
 Facteur de sécurité: 1.5 fois

Caractéristiques

- Fonction:
Vanne de régulation et de retenue (SO NV 01Axx)
Vanne de réglage fin (SO NV 01Cxx)
Vanne de précision (SO NV 01Dxx)
- Application: air, eau, huiles et gaz liquéfiés
(tenir compte de la résistance de l'étanchéité)
- Matériau: laiton CW617N (CuZn40Pb2)

* Options

- No. 6 - Plaques signalétiques au choix disponible en couleurs bleu, rouge, vert, jaune, voir VSD SO NV
- No. 7 - Joint: EPDM, FKM

Specifications

Working pressure (PN): 50 bar
 Temperature: -20°C to +80°C
 Safety factor: 1.5 times

Characteristics

- Function:
Regulating and stop valve (SO NV 01Axx)
Fine regulating valve (SO NV 01Cxx)
Dosing valve (SO NV 01Dxx)
- Uses: air, water, oils and liquid gases (check resistance of seal)
- Material: brass CW617N (CuZn40Pb2)

* Options

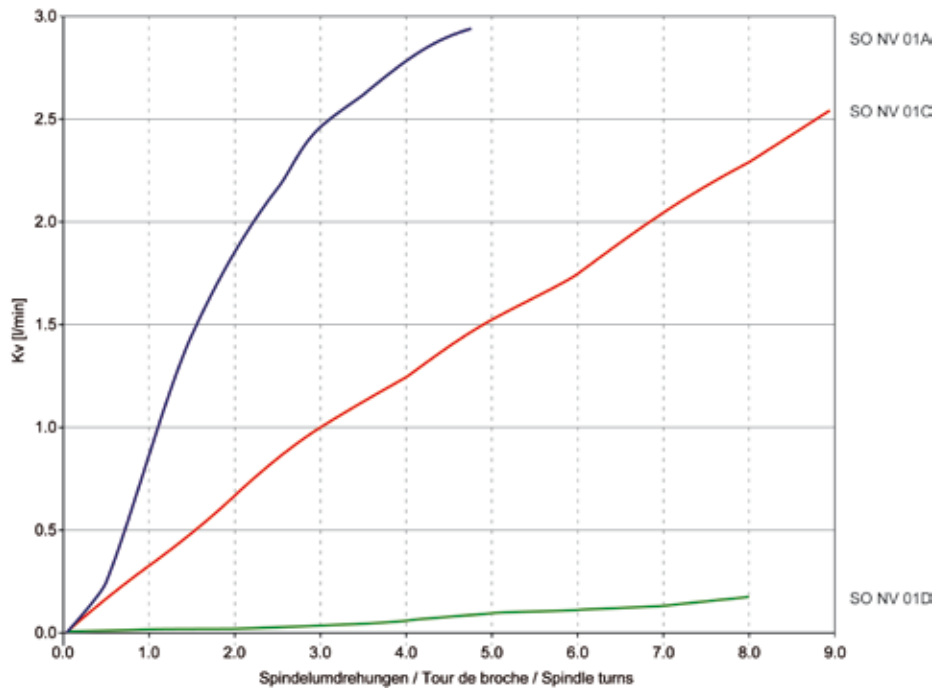
- No. 6 - Valve labels also available in colors blue, red, green, yellow, see VSD SO NV
- No. 7 - Seal: EPDM, FKM

Durchflussdiagramm

Courbe de débit

Flow rate

SO NV 01A21E / SO NV 01A21EL / SO NV 01A21ET /
SO NV 01C21E / SO NV 01D21E / SO NV 01D21ET



Sonderausführungen

siehe Kapitelübersicht

Exécutions en option

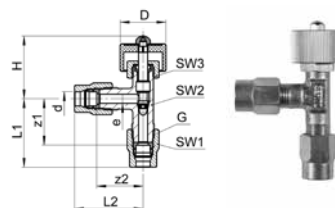
voir aperçu du chapitre

Optional services

see chapter overview

Regulier-Eckventil
Vanne-équerre de réglage
Elbow regulating valve

12


SO NV 01A21E

| Type -d | Mat.-Nr. | bar | G | SW1 | SW2 | SW3 | L1 | L2 | D | H | z1 | z2 | e | kv | kg/100 |
|----------------|--------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|--------|
| SO NV 01A21E-4 | 258.7420.040 | 50 | 1/8 | 12 | 10 | 12 | 27.0 | 27.0 | 20.0 | 32.0 | 20.0 | 20.0 | 3.5 | 3.0 | 5.000 |
| SO NV 01A21E-5 | 258.7420.050 | 50 | 1/8 | 12 | 10 | 12 | 27.0 | 27.0 | 20.0 | 32.0 | 20.0 | 20.0 | 4.0 | 3.0 | 6.000 |
| SO NV 01A21E-6 | 258.7420.060 | 50 | 1/8 | 12 | 10 | 12 | 28.0 | 27.0 | 20.0 | 32.0 | 20.0 | 20.0 | 4.0 | 3.0 | 6.000 |

d=Rohraussen- \emptyset
 e=kleinste Bohrung
 kv=Kenngrösse für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet

d= \emptyset extérieur du tube
 e= \emptyset -min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert

d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve open

Regulier-Eckventil

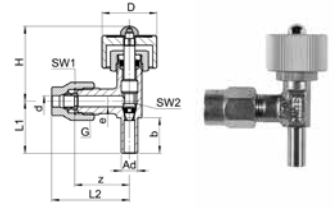
mit Einstellzapfen

Vanne-équerre de réglage

orientable

Elbow regulating valve

adjustable



SO NV 01A21EL

| Type -d -Ad | Mat.-Nr. | bar | G | SW1 | SW2 | L1 | L2 | D | H | b | z | e | kv | kg/100 |
|--------------------|--------------|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|--------|
| SO NV 01A21EL-4-A6 | YDD.060.0021 | 50 | 1/8 | 12 | 10 | 19.0 | 27.0 | 20.0 | 32.0 | 13.0 | 20.0 | 3.5 | 3.0 | 5.000 |
| SO NV 01A21EL-5-A6 | YDD.060.0022 | 50 | 1/8 | 12 | 10 | 19.0 | 27.0 | 20.0 | 32.0 | 13.0 | 20.0 | 4.0 | 3.0 | 5.000 |
| SO NV 01A21EL-6-A6 | YDD.060.0023 | 50 | 1/8 | 12 | 10 | 19.0 | 28.0 | 20.0 | 32.0 | 13.0 | 20.0 | 4.0 | 3.0 | 5.000 |

Regulier-Eckventil

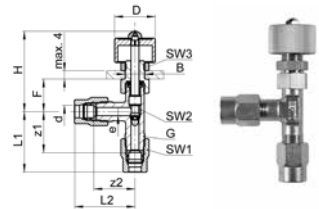
SchalttafelAusführung

Vanne-équerre de réglage

pour tableau de commande

Elbow regulating valve

for panel mounting



SO NV 01A21ET

| Type -d | Mat.-Nr. | bar | G | SW1 | SW2 | SW3 | L1 | L2 | H | F | z1 | z2 | e | kv | kg/100 |
|-----------------|--------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|--------|
| SO NV 01A21ET-4 | YDD.060.0100 | 50 | 1/8 | 12 | 10 | 12 | 27.0 | 27.0 | 44.0 | 18.0 | 20.0 | 20.0 | 3.5 | 3.0 | 7.000 |
| SO NV 01A21ET-5 | YDD.060.0101 | 50 | 1/8 | 12 | 10 | 12 | 28.0 | 27.0 | 45.0 | 18.0 | 20.0 | 20.0 | 4.0 | 3.0 | 7.000 |
| SO NV 01A21ET-6 | YDD.060.0102 | 50 | 1/8 | 12 | 10 | 12 | 28.0 | 28.0 | 46.0 | 16.0 | 20.0 | 20.0 | 4.0 | 3.0 | 7.000 |

D = ø 20 mm

B = ø 10 mm

D = ø 20 mm

B = ø 10 mm

D = ø 20 mm

B = ø 10 mm

d=Rohrassen-ø

e=kleinste Bohrung

kv=Kenngröße für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

H=Ventil geöffnet

d=ø extérieur du tube

e=ø-min. de passage

kv=facteur d'écoulement (l/min)

L=après montage

H=vanne ouvert

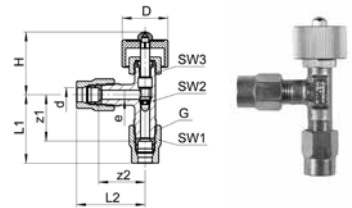
d=tube outside diameter

e=minimum bore

kv=flow factor (l/min)

L=installed length

H=valve open

Feinregulier-Eckventil
Vanne-équerre de réglage fin
Elbow fine regulating valve

SO NV 01C21E

| Type -d | Mat.-Nr. | bar | G | SW1 | SW2 | SW3 | L1 | L2 | D | H | z1 | z2 | e | kv | kg/100 |
|----------------|--------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|--------|
| SO NV 01C21E-4 | YDD.060.0200 | 50 | 1/8 | 12 | 10 | 12 | 27.0 | 27.0 | 20.0 | 32.0 | 20.0 | 20.0 | 2.5 | 2.5 | 6.000 |
| SO NV 01C21E-5 | YDD.060.0201 | 50 | 1/8 | 12 | 10 | 12 | 27.0 | 28.0 | 20.0 | 32.0 | 20.0 | 20.0 | 2.5 | 2.5 | 6.000 |
| SO NV 01C21E-6 | YDD.060.0202 | 50 | 1/8 | 12 | 10 | 12 | 28.0 | 28.0 | 20.0 | 32.0 | 20.0 | 20.0 | 2.5 | 2.5 | 6.000 |

Dosier-Eckventil

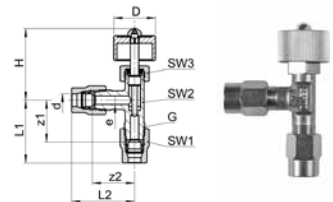
mit Feinregulierspindel 1:50

Vanne-équerre de réglage de précision

à aiguille 1:50

Metering elbow valve

with fine-regulating spindle 1:50


SO NV 01D21E

| Type -d | Mat.-Nr. | bar | G | SW1 | SW2 | SW3 | L1 | L2 | D | H | z1 | z2 | e | kv | kg/100 |
|----------------|--------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|--------|
| SO NV 01D21E-4 | YDD.060.0250 | 50 | 1/8 | 12 | 10 | 12 | 27.0 | 27.0 | 20.0 | 32.0 | 20.0 | 20.0 | 2.5 | 0.1 | 6.000 |
| SO NV 01D21E-5 | YDD.060.0251 | 50 | 1/8 | 12 | 10 | 12 | 27.0 | 27.0 | 20.0 | 32.0 | 20.0 | 20.0 | 2.5 | 0.1 | 6.000 |
| SO NV 01D21E-6 | YDD.060.0252 | 50 | 1/8 | 12 | 10 | 12 | 28.0 | 28.0 | 20.0 | 32.0 | 20.0 | 20.0 | 2.5 | 0.1 | 6.000 |

Dosier-Eckventil

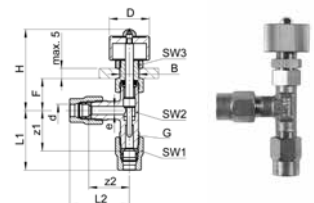
mit Feinregulierspindel 1:50, Schottausführung

Vanne-équerre de réglage de précision

à aiguille 1:50, traversée de cloison

Metering elbow valve

with fine-regulating spindle 1:50, panel mount


SO NV 01D21ET

| Type -d | Mat.-Nr. | bar | G | SW1 | SW2 | SW3 | L1 | L2 | H | F | z1 | z2 | e | kv | kg/100 |
|-----------------|--------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|--------|
| SO NV 01D21ET-4 | YDD.060.0350 | 50 | 1/8 | 12 | 10 | 12 | 27.0 | 27.0 | 40.0 | 18.5 | 20.0 | 20.0 | 2.5 | 0.1 | 7.000 |
| SO NV 01D21ET-5 | YDD.060.0351 | 50 | 1/8 | 12 | 10 | 12 | 27.0 | 27.0 | 40.0 | 18.5 | 20.0 | 20.0 | 2.5 | 0.1 | 7.000 |
| SO NV 01D21ET-6 | YDD.060.0352 | 50 | 1/8 | 12 | 10 | 12 | 28.0 | 28.0 | 40.0 | 16.0 | 20.0 | 20.0 | 2.5 | 0.1 | 7.000 |

 D = ø 20 mm
 B = ø 10 mm

 D = ø 20 mm
 B = ø 10 mm

 D = ø 20 mm
 B = ø 10 mm

d=Rohrassen-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet

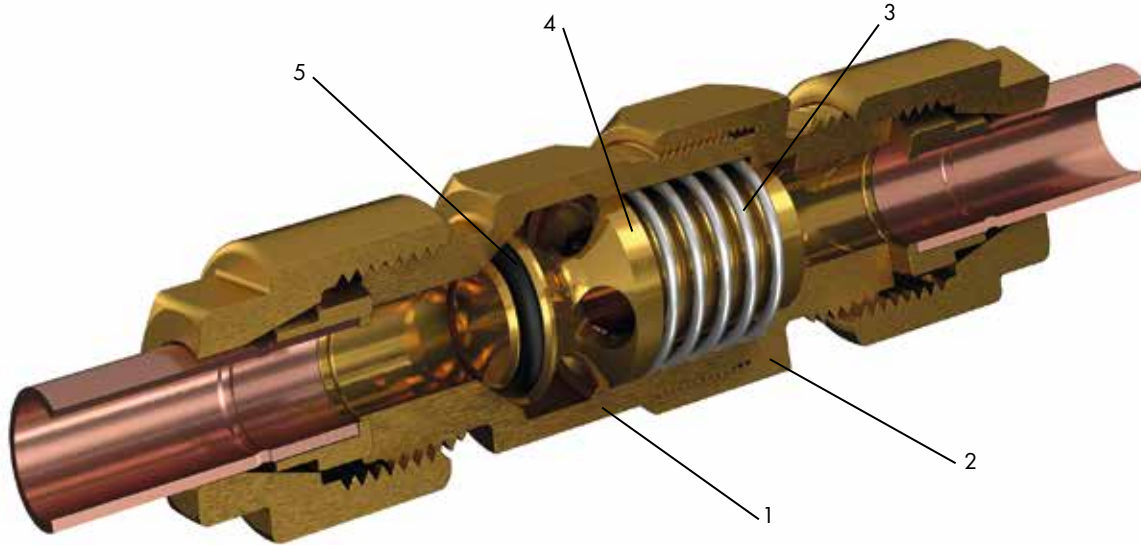
d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert

d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve open

Kegelrückschlagventil

Clapet anti-retour à siège conique

Taper seat non-return valve

SO CV 03A21


| Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material |
|-------------------|--|----------------------------------|-------------------|--|----------------------------------|-------------------|---|----------------------------------|
| 1 | Ventilkegelführung Guidage cône du clapet Valve cone guide | Messing Laiton Brass | 3* | Druckfeder Ressort de compression Compression spring | 1.4401 | 5* | Dichtung Joint Seal | NBR |
| 2 | Ventilmutter Écrou du clapet Valve nut | Messing Laiton Brass | 4 | Ventilkegel Cône du clapet Valve cone | Messing Laiton Brass | | | |

Spezifikationen

Betriebsdruck (PN): 50 bis 100 bar
 Temperatur: -20°C bis +80°C
 Öffnungsdruck: 0.2 bar ± 0.1 bar
 Sicherheitsfaktor: 1.5-fach

Merkmale

- Funktion: Rückflussverhinderer
- Einsatz: Luft, Wasser, Öle und Flüssiggase (Beständigkeit Dichtung beachten)
- Material: Messing CW617N (CuZn40Pb2)
- Besonderes: strömungsgünstige Konstruktion, Druckstöße werden gedämpft

* Optionen

- Nr. 3 - Druckfeder: Öffnungsdruck 0.5, 1, 2, 3, 5 bar ± 20 %
- Nr. 5 - Dichtung: EPDM, FKM

Spécifications

Pression de service (PN): 50 à 100 bar
 Température: -20°C à +80°C
 Pression d'ouverture: 0.2 bar ± 0.1 bar
 Facteur de sécurité: 1.5 fois

Caractéristiques

- Fonction: clapet anti-retour
- Application: air, eau, huiles et gaz liquéfiés (tenir compte de la résistance de l'étanchéité)
- Matériau: laiton CW617N (CuZn40Pb2)
- Particularités: conception favorisant l'écoulement, amortit les coups de bélier

* Options

- No. 3 - Ressort de compression: pression d'ouverture 0.5, 1, 2, 3, 5 bar ± 20 %
- No. 5 - Joint: EPDM, FKM

Specifications

Working pressure (PN): 50 to 100 bar
 Temperature: -20°C to +80°C
 Opening pressure: 0.2 bar ± 0.1 bar
 Safety factor: 1.5 times

Characteristics

- Function: check valve
- Uses: air, water, oils and liquid gases (check resistance of seal)
- Material: brass CW617N (CuZn40Pb2)
- Special: flow-optimised design, damps water hammer

* Options

- No. 3 - Compression spring: opening pressure 0.5, 1, 2, 3, 5 bar ± 20 %
- No. 5 - Seal: EPDM, FKM

Durchflussdiagramm

Der Druckabfall nimmt mit zunehmendem Durchfluss überproportional zu.

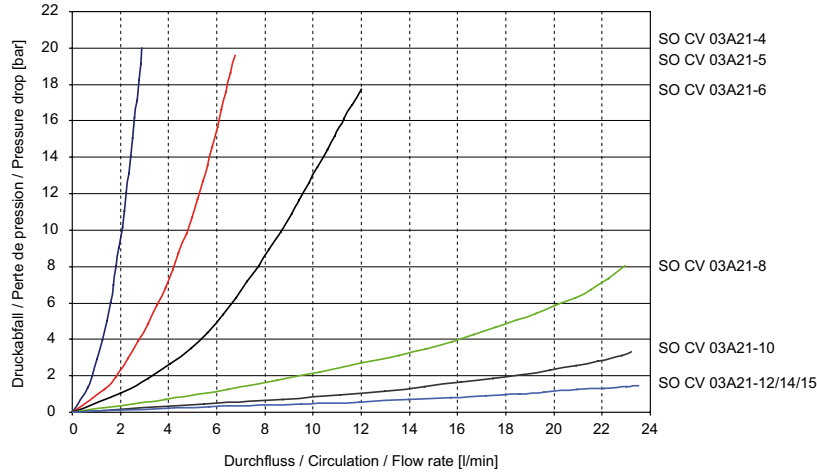
Courbe de débit

La perte de pression augmente disproportionnellement avec plus de débit.

Flow rate

The pressure drop increases disproportionately with increasing flow rate.

SO CV 03A21



Öffnungsdruckdiagramm

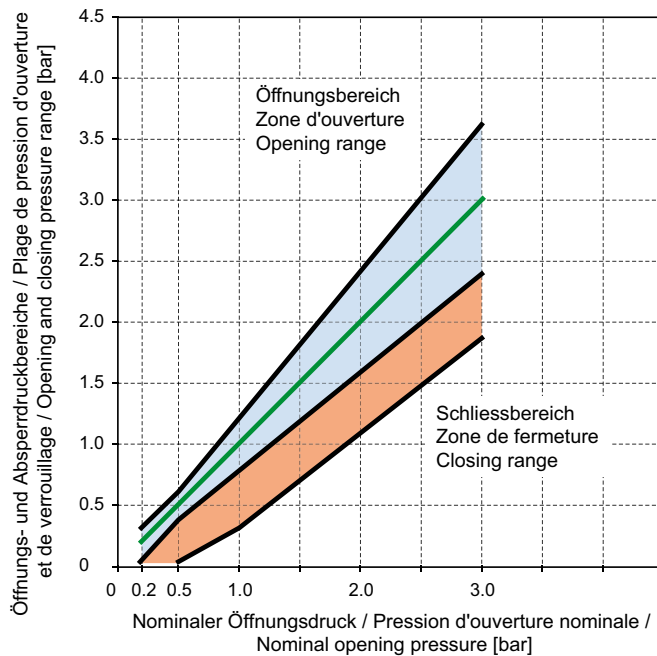
Der Öffnungsdruck bewegt sich im blau skizzierten Bereich. Das Ventil schliesst im rot skizzierten Bereich.

Courbe de pression d'ouverture

La pression d'ouverture se trouve dans la zone indiquée en bleu. La vanne se ferme dans la zone indiquée en rouge.

Opening pressure diagram

The opening pressure ranges within the blue section. The valve closes within the red section.



Sonderausführungen

siehe Kapitelübersicht

Exécutions en option

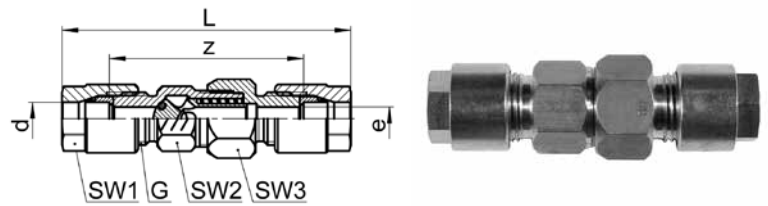
voir aperçu du chapitre

Optional services

see chapter overview

Kegelrückschlagventil
Clapet anti-retour à siège conique
Taper seat non-return valve

SO CV 03A21



| Type-d | Mat.-Nr. | bar | G | SW1 | SW2 | SW3 | L | z | e | kg/100 |
|----------------|--------------|-----|-----|-----|-----|-----|------|------|------|--------|
| SO CV 03A21-4 | 258.3000.040 | 100 | 1/8 | 12 | 12 | 14 | 56.0 | 42.5 | 3.4 | 4.700 |
| SO CV 03A21-5 | 258.3000.050 | 100 | 1/8 | 12 | 12 | 14 | 56.0 | 42.5 | 3.8 | 4.600 |
| SO CV 03A21-6 | 258.3000.060 | 100 | 1/8 | 12 | 12 | 14 | 59.0 | 43.0 | 3.8 | 4.800 |
| SO CV 03A21-8 | 258.3000.080 | 64 | 1/4 | 14 | 14 | 17 | 67.5 | 48.5 | 5.8 | 8.800 |
| SO CV 03A21-10 | 258.3000.100 | 64 | 1/2 | 19 | 24 | 27 | 88.5 | 65.0 | 10.5 | 26.400 |
| SO CV 03A21-12 | 258.3000.120 | 50 | 1/2 | 19 | 24 | 27 | 92.0 | 65.5 | 10.5 | 27.000 |
| SO CV 03A21-14 | 258.3000.140 | 50 | 1/2 | 22 | 24 | 27 | 97.5 | 66.0 | 10.5 | 32.000 |
| SO CV 03A21-15 | 258.3000.150 | 50 | 1/2 | 22 | 24 | 27 | 97.5 | 66.0 | 10.5 | 29.000 |

d=Rohrassens- \varnothing
 e=kleinste Bohrung
 L=Mass in montiertem Zustand

d= \varnothing extérieur du tube
 e= \varnothing -min. de passage
 L=après montage

d=tube outside diameter
 e=minimum bore
 L=installed length

Kugelhahn voller Durchgang

Dichtung von innen gesichert

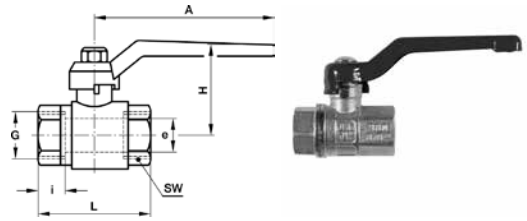
Vanne à bille avec passage intégral

monobloc

Ball valve with full flow

seal locked from the inside

SO BV 08C00



| Type -G | Mat.-Nr. | bar | SW | L | A | H | i | e | kg/100 |
|-----------------------------|----------------------------------|-------------------------|----|------|------|------|------|------|--------|
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | G=BSP thread (parallel) | | | | | | | |
| SO BV 08C00-1/4 | YBD.7800.001 | 60 | 22 | 48.0 | 85.0 | 43.0 | 12.0 | 9.0 | 12.000 |
| SO BV 08C00-3/8 | YBD.7800.002 | 60 | 22 | 48.0 | 82.5 | 43.0 | 12.0 | 11.0 | 15.400 |
| SO BV 08C00-1/2 | YBD.7800.003 | 60 | 26 | 58.0 | 85.0 | 44.0 | 12.0 | 11.0 | 22.000 |
| SO BV 08C00-3/4 | YBD.7800.004 | 60 | 32 | 70.0 | 85.0 | 48.0 | 15.0 | 20.0 | 34.400 |
| SO BV 08C00-1 | YBD.7800.005 | 60 | 39 | 83.0 | 95.0 | 59.0 | 18.0 | 25.0 | 54.400 |

Kugelhahn mit vollem Durchgang, Dichtung von innen gesichert.

Spezifikationen

Temperatur: -30°C bis +180°C

Geeignet für: Wasser, Öle, Brennstoffe, Druckluft, saturierter Dampf, nicht korrosive Chemikalien, u.a.

Materialien

Körper und Mutter: Messing 58 vernickelt
Kugelsitz und Dichtung: PTFE
Kugel: Messing CuZn39Pb3 hartverchromt
Griff: Alu-Kunststoffbeschichtung
Sicherungsmutter: Stahl verzinkt

Dienstleistungsoptionen auf Anfrage

Vanne à bille avec passage total, joint intérieur fixé.

Spécifications

Température: -30°C à +180°C

Utilisable pour: eau, huile, mazout, combustible, air comprimé, vapeur saturée, agents chimiques non-corrosifs et autres.

Matériaux

Corps et écrou: laiton 58 nickelé
Logement de bille et joint: PTFE
Bille: laiton CuZn39Pb3, chromage dur
Manette: aluminium plastifié
Écrou de sécurité: acier zingué

Options de service sur demande

Ball valve with full flow, seal locked from the inside.

Specifications

Temperature: -30°C to +180°C

Suitable for: water, oils, fuel, compressed air, saturated steam, non-corrosive chemicals and others.

Materials

Body and nut: nickel-plated brass 58
Ball fit and washer: PTFE
Ball: hard chrome-plated brass CuZn39Pb3
Handle: plastic-coated aluminium
Safety nut: galvanized steel

Optional services on request

Durchgangshahn

mit Dichtkegelanschluss 60°

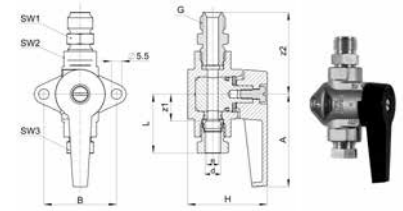
Vanne simple à passage direct

avec raccordement à étanchéité sur cône 60°

Total-flow cock

with cone seat connection 60°

SO PV 08E01



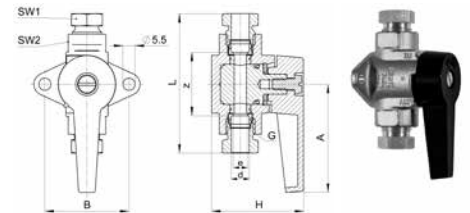
| Type -d-G | Mat.-Nr. | bar | SW1 | SW2 | SW3 | L | B | A | H | z1 | z2 | e | kg/100 | |
|-----------------------------|--------------|-----|----------------------------------|-----|-----|------|------|-------------------------|------|------|------|-----|--------|--|
| G=Rohrgewinde (zylindrisch) | | | G=Filetage-gaz BSP (cylindrique) | | | | | G=BSP thread (parallel) | | | | | | |
| SO PV 08E01-6-1/4 F | 258.7810.110 | 10 | 14 | 17 | 14 | 31.0 | 38.0 | 48.0 | 41.5 | 14.0 | 43.0 | 5.0 | 19.500 | |
| SO PV 08E01-6-3/8 F | 258.7810.120 | 10 | 14 | 17 | 17 | 31.0 | 38.0 | 48.0 | 41.5 | 14.0 | 44.0 | 5.0 | 20.500 | |
| SO PV 08E01-8-1/4 F | 258.7810.170 | 10 | 14 | 17 | 14 | 31.0 | 38.0 | 48.0 | 41.5 | 14.0 | 43.0 | 5.5 | 19.000 | |
| SO PV 08E01-8-3/8 F | 258.7810.180 | 10 | 14 | 17 | 17 | 31.0 | 38.0 | 48.0 | 41.5 | 14.0 | 44.0 | 5.5 | 20.000 | |

Durchgangshahn

Vanne simple à passage direct

Total-flow cock

SO PV 08E21



| Type -d | Mat.-Nr. | bar | G | SW1 | SW2 | L | A | H | B | z | e | kg/100 |
|-----------------|--------------|-----|-----|-----|-----|------|------|------|------|------|-----|--------|
| SO PV 08E21-6 F | 258.7820.060 | 10 | 1/4 | 14 | 17 | 62.0 | 48.0 | 41.5 | 38.0 | 28.0 | 5.0 | 20.000 |
| SO PV 08E21-8 F | 258.7820.080 | 10 | 1/4 | 14 | 17 | 62.0 | 48.0 | 41.5 | 38.0 | 28.0 | 5.5 | 19.500 |

Dieser Durchgangshahn hat eine grosse Bohrung. Die Strömung erfährt weder Drosselung noch Umlenkung. Der Durchflusswiderstand ist somit unbedeutend. Der Griff zeigt eindeutig die geöffnete oder geschlossene Stellung an. Die Abdichtung der Bohrung erfolgt mit einer speziellen Dichtbuchse. Bei Ölheizungen wird dieser Hahn gerne als Feuerwehrrhahn eingesetzt.

Spzifikationen

Temperatur: max. +80°C
F: mit Befestigungsflansch
Geeignet für: Luft, Öle, Wasser

Materialien

Ventilkörper, Walze, Anschlüsse: Messing CW 617N
Griff: Kunststoff schwarz, auf Wunsch rot
Dichtbuchsen: thermoplastisches PUR
O-Ring: NBR

Cette vanne possède un grand passage direct évitant ainsi tout étranglement ou toute déviation de l'écoulement. La résistance de passage est donc insignifiante. La manette indique clairement la position ouverte ou fermée. L'étanchéité sur le passage est réalisé par un joint spécial. Pour les chauffages à mazout, cette vanne s'installe judicieusement comme robinet coupe-feu.

Spécifications

Température: max. +80°C
F: flasque de fixations
Utilisable pour: air, huiles et eau

Matériaux

Corps, boisseau cylindrique, écrous: laiton CW 617N
Manette: matière plastique noir, rouge sur demande
Joint spécial: PUR
Joint torique: NBR

This total-flow cock has a large bore the flow is neither throttled nor diverted. Flow resistance is therefore insignificant. The handle indicates clearly and logically the open or closed setting. The bore is sealed off with a special bush. In oil heating systems this cock is popular as a fire fighting accessory.

Specifications

Temperature: max. +80°C
F: with flange mount
Suitable for: air, oils, water

Materials

Valve body, piston, connections: brass CW 617N
Handle: black plastic; red on request
Bush seal: thermoplastic PUR
O-rings: NBR

d=Rohrassens-ø
e=kleinste Bohrung
L=Mass in montiertem Zustand

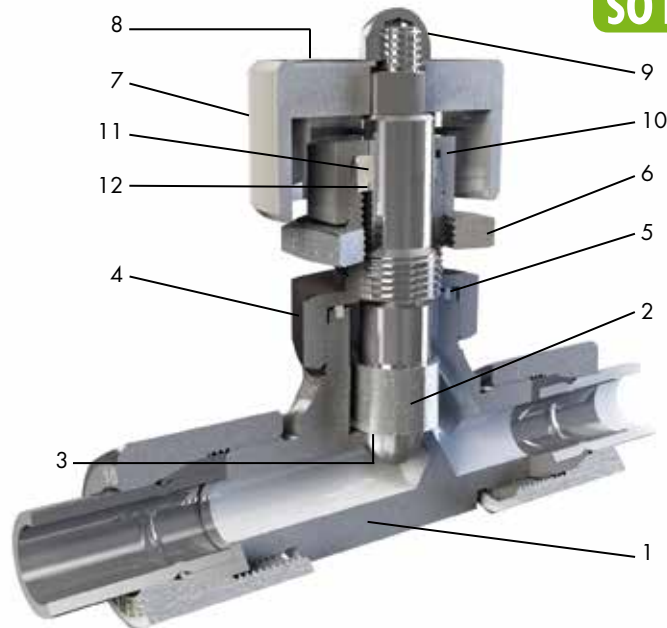
d=ø extérieur du tube
e=ø-min. de passage
L=après montage

d=tube outside diameter
e=minimum bore
L=installed length

Regulier- / Feinregulier- / Dosierventil
Vanne de réglage / réglage fin / précision
Regulating / fine regulating / metering valve

SO NV 51A21/E/EB/EL
SO NV 51C21/E/EB/EL
SO NV 51D21

12



| Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material |
|-------------------|---|----------------------------------|-------------------|--|----------------------------------|-------------------|--|----------------------------------|
| 1 | Ventilkörper Corps de vanne Valve body | 1.4571 | 5 | Dichtung Joint Seal | PTFE (FDA) | 9 | Hutmutter Écrou borgne Cap nut | CW617N vern. |
| 2 | Ventilspindel Pointeau de vanne Valve spindle | 1.4571 | 6 | Kontermutter Contre-écrou Counter nut | 1.4571 | 10* | Ventilkappe Bouchon presse-étoupe Valve cap | 1.4571 |
| 3 | Dichtung Joint Seal | PTFE (FDA) 25 % GF | 7 | Handrad Volant Handwheel | Aluminium | 11 | Spindeldichtung Joint du pointeau Spindle seal | PTFE (FDA) 25 % GF |
| 4 | Schalttafeloberteil Partie sup. tableau de commande Panel top | 1.4571 | 8* | Ventilschild (schwarz) Plaque indicatrice (noir) Valve label (black) | Aluminium | 12 | Unterlagsscheibe Rondelle Washer | 1.4571 |

Spezifikationen

Betriebsdruck (PN): 64 bis 100 bar
 Temperatur: -40°C bis +180°C
 Sicherheitsfaktor: 1.5-fach

Merkmale

- Funktion: Regulier- und Absperrventil
- Einsatz: Anwendungen mit hohen Anforderungen an die Beständigkeit (Beständigkeit Dichtung beachten)
- Kompakte Abmessungen, hohe Zuverlässigkeit
- Konstruktion ist auf max. Durchfluss ausgelegt

* Optionen

- Nr. 8 - Ventilschild: wahlweise auch in den Farben blau, rot, grün, gelb siehe VSD SO NV
- Nr. 10 - Drehmoment für Ventilkappe bei Schalttafelmontage:
Größen 3/5/6/8/1/8"/1/4" = 2 Nm
Größen 10/12/15/3/8" = 2.5 Nm
- Varianten: mit Übergangsmuffe SO 50030 oder Übergangsnippel SO 50040

Spécifications

Pression de service (PN): 64 à 100 bar
 Température: -40°C à +180°C
 Facteur de sécurité: 1.5 fois

Caractéristiques

- Fonction: vanne de régulation et de retenue
- Application: utilisations avec des exigences de résistance élevées (tenir compte de la résistance de l'étanchéité)
- Dimensions compactes, grande fiabilité
- Construction est conçue pour écoulement max.

* Options

- No. 8 - Plaques signalétiques: également disponible en couleurs bleu, rouge, vert, jaune voir VSD SO NV
- No. 10 - Couple de serrage pour bouchon de vanne dans tableau de commande:
Dimensions 3/5/6/8/1/8"/1/4" = 2 Nm
Dimensions 10/12/15/3/8" = 2.5 Nm
- Autres versions: avec adaptateur femelle SO 50030 ou mâle SO 50040

Specifications

Working pressure (PN): 64 to 100 bar
 Temperature: -40°C to +180°C
 Safety factor: 1.5 times

Characteristics

- Function: regulating and stop valve
- Uses: applications with high demands for resistance (check resistance of seal)
- Compact dimensions, high reliability
- Constructed for maximum flow

* Options

- No. 8 - Valve labels: also available in colors blue, red, green, yellow, see VSD SO NV
- No. 10 - Torque for valve cap in panel mounting:
Sizes 3/5/6/8/1/8"/1/4" = 2 Nm
Sizes 10/12/15/3/8" = 2.5 Nm
- Other versions: with female adaptor SO 50030 or male adaptor SO 50040

Durchflussdiagramm

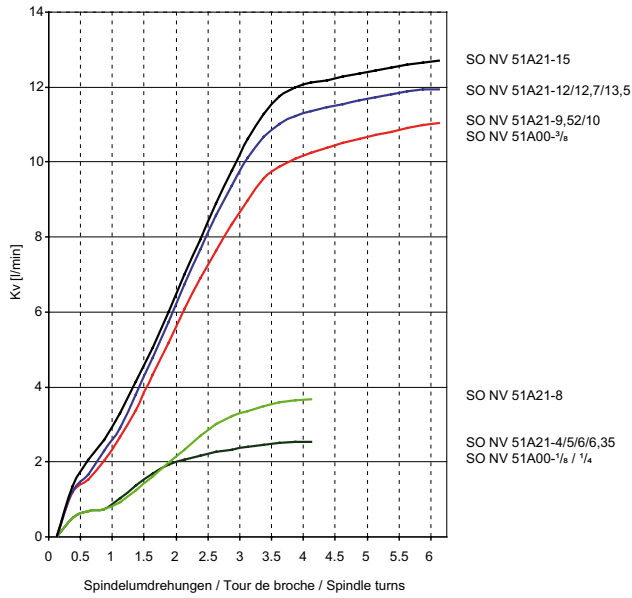
Courbe de débit

Flow rate

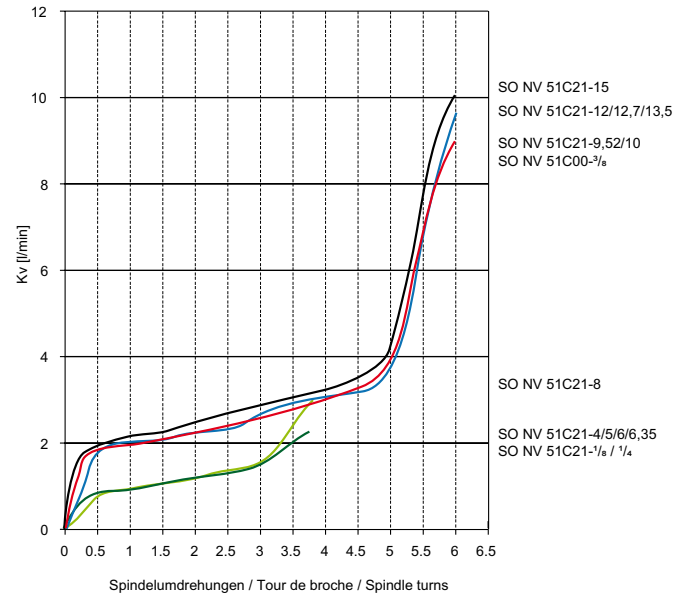
Reguliertventile / Vannes de réglage /
Regulating valves

Feinreguliertventile / Vannes de réglage fin /
Fine regulating valves

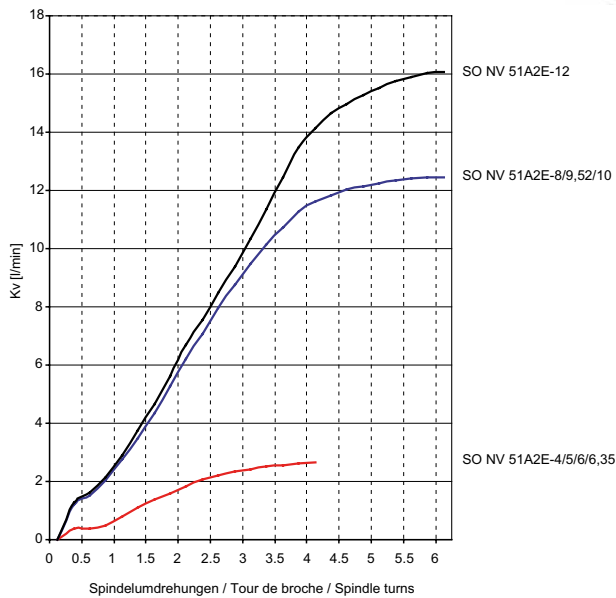
SO NV 51A21



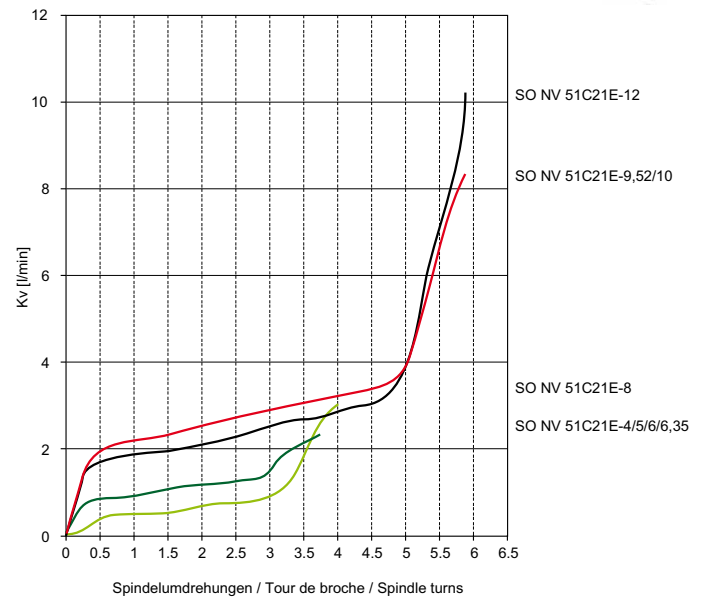
SO NV 51C21



SO NV 51A21E / A21EB / A60EL



SO NV 51C21E / C21EB / C60EL



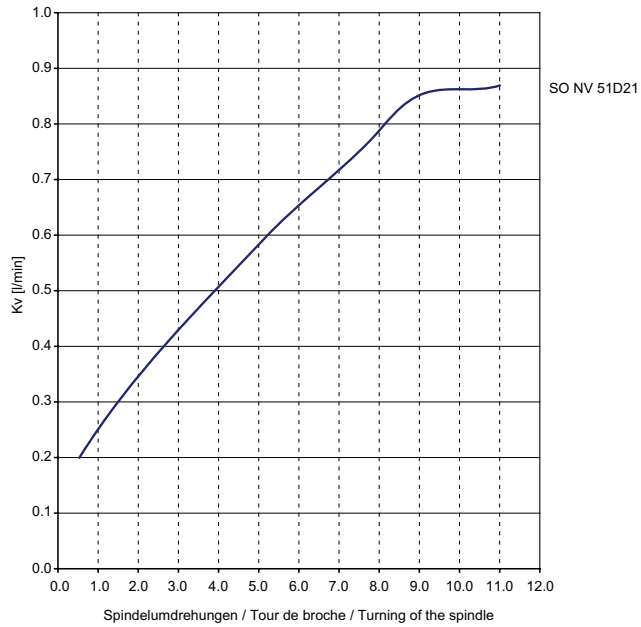
Durchflussdiagramm

Courbe de débit

Flow rate

Dosierventile / Vannes de réglage de précision /
Metering valves

SO NV 51D21



Sonderausführungen

siehe Kapitelübersicht

Exécutions en option

voir aperçu du chapitre

Optional services

see chapter overview

Regulierventil

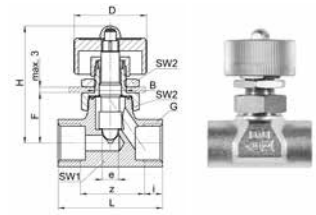
mit Innengewinde

Vanne de réglage

avec taraudage

Regulating valve

with female thread



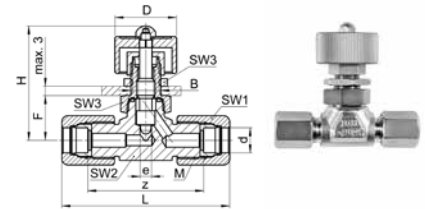
SO NV 51A00

| Type -G | Mat.-Nr. | bar | SW1 | SW2 | L | D | H | B | F | i | z | e | kv | kg/100 |
|-----------------------------|--------------|-----|----------------------------------|-----|------|------|------|------|-------------------------|------|------|-----|------|--------|
| G=Rohrgewinde (zylindrisch) | | | G=Filetage-gaz BSP (cylindrique) | | | | | | G=BSP thread (parallel) | | | | | |
| SO NV 51A00-1/8 | 068.0001.020 | 100 | 14 | 14 | 32.0 | 20.0 | 41.0 | 10.0 | 14.5 | 8.5 | 15.0 | 3.5 | 2.5 | 4.900 |
| SO NV 51A00-1/4 | 068.0001.040 | 100 | 22 | 14 | 34.0 | 20.0 | 43.0 | 10.0 | 16.5 | 9.5 | 15.0 | 3.5 | 2.5 | 7.800 |
| SO NV 51A00-3/8 | 068.0001.060 | 64 | 24 | 22 | 46.0 | 32.0 | 58.0 | 14.5 | 22.5 | 10.0 | 26.0 | 7.0 | 11.5 | 17.200 |

Regulierventil

Vanne de réglage

Regulating valve



SO NV 51A21

| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | D | H | B | F | z | e | kv | kg/100 |
|---------------------|--------------|-----|----------------------|-----|-----|-----|------|------|------------------|------|------|------|-----|------|--------|
| Für metrische Rohre | | | Pour tubes métriques | | | | | | For metric tubes | | | | | | |
| * SO NV 51A21-4 | 068.0011.040 | 100 | 10x1.0 | 12 | 14 | 14 | 50.0 | 20.0 | 41.0 | 10.0 | 14.5 | 34.0 | 3.5 | 2.5 | 6.900 |
| * SO NV 51A21-5 | 068.0011.050 | 100 | 10x1.0 | 12 | 14 | 14 | 50.0 | 20.0 | 41.0 | 10.0 | 14.5 | 34.0 | 3.5 | 2.5 | 6.800 |
| SO NV 51A21-6 | 068.0011.060 | 100 | 10x1.0 | 12 | 14 | 14 | 50.0 | 20.0 | 41.0 | 10.0 | 14.5 | 34.0 | 3.5 | 2.5 | 6.500 |
| SO NV 51A21-8 | 068.0011.080 | 100 | 12x1.0 | 14 | 14 | 14 | 54.0 | 20.0 | 41.0 | 10.0 | 14.5 | 37.5 | 3.5 | 3.5 | 8.200 |
| SO NV 51A21-10 | 068.0011.100 | 64 | 14x1.0 | 17 | 22 | 22 | 70.0 | 32.0 | 57.5 | 14.5 | 21.5 | 47.5 | 7.0 | 11.5 | 19.000 |
| SO NV 51A21-12 | 068.0011.120 | 64 | 16x1.0 | 19 | 22 | 22 | 72.0 | 32.0 | 57.5 | 14.5 | 21.5 | 47.5 | 7.0 | 12.0 | 20.000 |
| * SO NV 51A21-14 | 068.0011.140 | 64 | 20x1.5 | 24 | 24 | 22 | 80.0 | 32.0 | 57.5 | 14.5 | 22.0 | 52.0 | 7.0 | 13.0 | 30.000 |
| SO NV 51A21-15 | 068.0011.150 | 64 | 20x1.5 | 24 | 24 | 22 | 79.0 | 32.0 | 57.5 | 14.5 | 22.0 | 51.5 | 7.0 | 13.0 | 29.500 |
| Für Zollrohre | | | Pour tubes pouces | | | | | | For inch tubes | | | | | | |
| SO NV 51A21-6,35 | 068.0011.063 | 100 | 10x1.0 | 12 | 14 | 14 | 50.5 | 20.0 | 41.0 | 10.0 | 14.5 | 34.5 | 3.5 | 2.5 | 6.500 |
| SO NV 51A21-9,52 | 068.0011.095 | 64 | 14x1.0 | 17 | 22 | 22 | 69.0 | 32.0 | 57.5 | 14.5 | 21.5 | 47.5 | 7.0 | 11.5 | 18.900 |
| SO NV 51A21-12,7 | 068.0011.127 | 64 | 20x1.5 | 24 | 24 | 22 | 79.0 | 32.0 | 57.5 | 14.5 | 22.0 | 52.0 | 7.0 | 13.0 | 29.100 |
| * SO NV 51A21-13,5 | 068.0011.135 | 64 | 20x1.5 | 24 | 24 | 22 | 85.0 | 32.0 | 57.5 | 14.5 | 22.0 | 52.0 | 7.0 | 13.0 | 30.000 |

Umrechnung für "d" bei Zollrohren:

6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2
 13,5 = 17/32

Conversion de "d" pour tubes en pouces:

6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2
 13,5 = 17/32

Conversion for "d" for inch tubes:

6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2
 13,5 = 17/32

d=Rohraussen-ø

e=kleinste Bohrung

kv=Kenngröße für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

H=Ventil geöffnet

*=mit reduziertem Klemmring

d=ø extérieur du tube

e=ø-min. de passage

kv=facteur d'écoulement (l/min)

L=après montage

H=vanne ouvert

*=avec bague de serrage de réduction

d=tube outside diameter

e=minimum bore

kv=flow factor (l/min)

L=installed length

H=valve opened

*=with reduced compression ferrule

Regulierventil

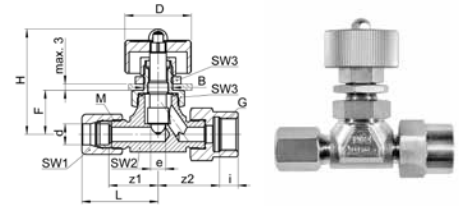
mit Übergangsmuffe SO 50030

Vanne de réglage

avec adaptateur femelle SO 50030

Regulating valve

with female adaptor SO 50030

SO NV 51A30


| Type -d-G | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | H | B | F | i | z1 | z2 | e | kv | kg/100 |
|-----------------------------|--------------|-----|----------------------------------|-----|-----|-----|------|------|------|-------------------------|------|------|------|-----|------|--------|
| Für metrische Rohre | | | Pour tubes métriques | | | | | | | For metric tubes | | | | | | |
| G=Rohrgewinde (zylindrisch) | | | G=Filetage-gaz BSP (cylindrique) | | | | | | | G=BSP thread (parallel) | | | | | | |
| * SO NV 51A30-4-1/8 | 068.0012.060 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 41.0 | 10.0 | 14.5 | 10.0 | 17.0 | 20.0 | 3.5 | 2.5 | 8.460 |
| * SO NV 51A30-5-1/8 | 068.0012.082 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 41.0 | 10.0 | 14.5 | 10.0 | 17.0 | 20.0 | 3.5 | 2.5 | 8.360 |
| SO NV 51A30-6-1/8 | 068.0012.100 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 41.0 | 10.0 | 14.5 | 10.0 | 17.0 | 20.0 | 3.5 | 2.5 | 8.060 |
| SO NV 51A30-6-1/4 | 068.0012.110 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 41.0 | 10.0 | 14.5 | 11.0 | 17.0 | 20.0 | 3.5 | 2.5 | 8.060 |
| SO NV 51A30-8-1/8 | 068.0012.160 | 100 | 12x1.0 | 14 | 14 | 14 | 27.0 | 41.0 | 10.0 | 14.5 | 10.0 | 18.5 | 21.5 | 3.5 | 3.5 | 9.710 |
| SO NV 51A30-8-1/4 | 068.0012.170 | 100 | 12x1.0 | 14 | 14 | 14 | 27.0 | 41.0 | 10.0 | 14.5 | 12.0 | 18.5 | 21.5 | 3.5 | 3.5 | 9.300 |
| SO NV 51A30-8-3/8 | 068.0012.180 | 100 | 12x1.0 | 14 | 14 | 14 | 27.0 | 41.0 | 10.0 | 14.5 | 11.0 | 18.5 | 21.5 | 3.5 | 3.5 | 11.650 |
| SO NV 51A30-10-1/4 | 068.0012.270 | 64 | 14x1.0 | 17 | 22 | 22 | 35.0 | 57.5 | 14.5 | 21.5 | 12.0 | 23.5 | 26.5 | 7.0 | 11.0 | 19.090 |
| SO NV 51A30-10-3/8 | 068.0012.280 | 64 | 14x1.0 | 17 | 22 | 22 | 35.0 | 57.5 | 14.5 | 21.5 | 12.0 | 23.5 | 26.5 | 7.0 | 11.0 | 21.270 |
| SO NV 51A30-12-3/8 | 068.0012.390 | 64 | 16x1.0 | 19 | 22 | 22 | 36.0 | 57.5 | 14.5 | 21.5 | 12.0 | 23.5 | 26.5 | 7.0 | 12.0 | 21.510 |
| SO NV 51A30-12-1/2 | 068.0012.400 | 64 | 16x1.0 | 19 | 22 | 22 | 36.0 | 57.5 | 14.5 | 21.5 | 12.0 | 23.5 | 26.5 | 7.0 | 12.0 | 24.820 |
| SO NV 51A30-15-1/2 | 068.0012.534 | 64 | 20x1.5 | 24 | 24 | 22 | 40.0 | 57.5 | 14.5 | 22.0 | 12.0 | 26.0 | 29.5 | 7.0 | 13.0 | 31.890 |

| Für Zollrohre | | Pour tubes pouces | | | | | | | For inch tubes | | | | | | | |
|----------------------|--------------|-------------------|--------|----|----|----|------|------|----------------|------|------|------|------|-----|------|--------|
| SO NV 51A30-6,35-1/8 | 068.0012.135 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 41.0 | 10.0 | 14.5 | 10.0 | 17.0 | 20.0 | 3.5 | 2.5 | 7.320 |
| SO NV 51A30-9,52-1/4 | 068.0012.230 | 64 | 14x1.0 | 17 | 22 | 22 | 34.0 | 57.5 | 14.5 | 21.5 | 12.0 | 23.5 | 26.5 | 7.0 | 11.0 | 19.210 |
| SO NV 51A30-9,52-3/8 | 068.0012.235 | 64 | 14x1.0 | 17 | 22 | 22 | 37.0 | 57.5 | 14.5 | 21.5 | 12.0 | 23.5 | 26.5 | 7.0 | 11.0 | 21.390 |
| SO NV 51A30-12,7-1/2 | 068.0012.434 | 64 | 20x1.5 | 24 | 24 | 22 | 40.0 | 57.5 | 14.5 | 22.0 | 12.0 | 26.0 | 29.5 | 7.0 | 13.0 | 31.120 |

Umrechnung für "d" bei Zollrohren:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion de "d" pour tubes en pouces:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion for "d" for inch tubes:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

 D = ø 20 mm ≤ Anschlussgröße 8
 ø 32 mm ≥ Anschlussgröße 9,52

 D = ø 20 mm ≤ Dimension 8
 ø 32 mm ≥ Dimension 9,52

 D = ø 20 mm ≤ Dimension 8
 ø 32 mm ≥ Dimension 9,52

Montagehinweis: Muffe ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Assembly information: Female adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

 d=Rohrassen-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet
 *=mit reduziertem Klemmring

 d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert
 *=avec bague de serrage de réduction

 d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve opened
 *=with reduced compression ferrule

Regulierventil

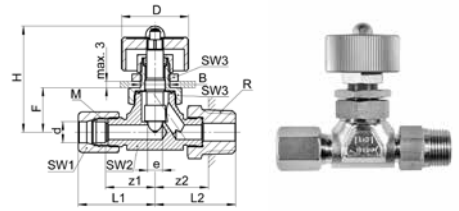
mit Übergangsnippel SO 50040

Vanne de réglage

avec adaptateur mâle SO 50040

Regulating valve

with male adaptor SO 50040


SO NV 51A40

| Type -d-R | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | z1 | z2 | e | kv | kg/100 |
|-------------------------|--------------|-----|--------|------------------------------|-----|-----|------|------|------|------|------|------------------------|------|-----|------|--------|
| Für metrische Rohre | | | | Pour tubes métriques | | | | | | | | For metric tubes | | | | |
| R=Rohrgewinde (kegelig) | | | | R=Filetage-gaz BSP (conique) | | | | | | | | R=BSP thread (tapered) | | | | |
| * SO NV 51A40-4-1/8 | 068.0014.060 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 27.0 | 41.0 | 10.0 | 14.5 | 17.0 | 20.5 | 3.5 | 2.5 | 6.850 |
| * SO NV 51A40-4-1/4 | 068.0014.065 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 31.0 | 41.0 | 10.0 | 14.5 | 17.0 | 21.5 | 3.5 | 2.5 | 7.820 |
| * SO NV 51A40-5-1/8 | 068.0014.082 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 27.0 | 41.0 | 10.0 | 14.5 | 17.0 | 20.5 | 3.5 | 2.5 | 6.750 |
| * SO NV 51A40-5-1/4 | 068.0014.084 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 31.0 | 41.0 | 10.0 | 14.5 | 17.0 | 21.5 | 3.5 | 2.5 | 7.720 |
| SO NV 51A40-6-1/8 | 068.0014.100 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 27.0 | 41.0 | 10.0 | 14.5 | 17.0 | 20.5 | 3.5 | 2.5 | 7.420 |
| SO NV 51A40-6-1/4 | 068.0014.110 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 31.0 | 41.0 | 10.0 | 14.5 | 17.0 | 21.5 | 3.5 | 2.5 | 7.420 |
| SO NV 51A40-8-1/8 | 068.0014.160 | 100 | 12x1.0 | 14 | 14 | 14 | 27.0 | 28.5 | 41.0 | 10.0 | 14.5 | 18.5 | 22.0 | 3.5 | 3.5 | 8.130 |
| SO NV 51A40-8-1/4 | 068.0014.170 | 100 | 12x1.0 | 14 | 14 | 14 | 27.0 | 32.5 | 41.0 | 10.0 | 14.5 | 18.5 | 23.0 | 3.5 | 3.5 | 8.600 |
| SO NV 51A40-8-3/8 | 068.0014.180 | 100 | 12x1.0 | 14 | 14 | 14 | 27.0 | 32.5 | 41.0 | 10.0 | 14.5 | 18.5 | 22.5 | 3.5 | 3.5 | 9.950 |
| SO NV 51A40-8-1/2 | 068.0014.185 | 100 | 12x1.0 | 14 | 14 | 14 | 27.0 | 36.5 | 41.0 | 10.0 | 14.5 | 18.5 | 23.5 | 3.5 | 3.5 | 10.850 |
| SO NV 51A40-10-1/4 | 068.0014.270 | 64 | 14x1.0 | 17 | 22 | 22 | 35.0 | 37.5 | 57.5 | 14.5 | 21.5 | 23.5 | 28.0 | 7.0 | 11.0 | 18.790 |
| SO NV 51A40-10-3/8 | 068.0014.280 | 64 | 14x1.0 | 17 | 22 | 22 | 35.0 | 37.5 | 57.5 | 14.5 | 21.5 | 23.5 | 27.5 | 7.0 | 11.0 | 19.500 |
| SO NV 51A40-10-1/2 | 068.0014.285 | 64 | 14x1.0 | 17 | 22 | 22 | 35.0 | 38.5 | 57.5 | 14.5 | 21.5 | 23.5 | 25.5 | 7.0 | 11.0 | 21.850 |
| SO NV 51A40-12-1/4 | 068.0014.380 | 64 | 16x1.0 | 19 | 22 | 22 | 36.0 | 38.5 | 57.5 | 14.5 | 21.5 | 23.5 | 29.0 | 7.0 | 12.0 | 19.760 |
| SO NV 51A40-12-3/8 | 068.0014.390 | 64 | 16x1.0 | 19 | 22 | 22 | 36.0 | 37.5 | 57.5 | 14.5 | 21.5 | 23.5 | 27.5 | 7.0 | 12.0 | 20.010 |
| SO NV 51A40-12-1/2 | 068.0014.400 | 64 | 16x1.0 | 19 | 22 | 22 | 36.0 | 41.5 | 57.5 | 14.5 | 21.5 | 23.5 | 28.5 | 7.0 | 12.0 | 22.620 |
| SO NV 51A40-15-1/2 | 068.0014.534 | 64 | 20x1.5 | 24 | 24 | 22 | 39.5 | 43.5 | 57.5 | 14.5 | 22.0 | 26.0 | 30.5 | 7.0 | 13.0 | 29.460 |

Für Zollrohre

Pour tubes pouces

For inch tubes

| | | | | | | | | | | | | | | | | |
|----------------------|--------------|-----|--------|----|----|----|------|------|------|------|------|------|------|-----|------|--------|
| SO NV 51A40-6,35-1/8 | 068.0014.135 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 27.0 | 41.0 | 10.0 | 14.5 | 17.0 | 20.5 | 3.5 | 2.5 | 6.470 |
| SO NV 51A40-6,35-1/4 | 068.0014.140 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 31.0 | 41.0 | 10.0 | 14.5 | 17.0 | 21.0 | 3.5 | 2.5 | 7.440 |
| SO NV 51A40-9,52-1/4 | 068.0014.230 | 64 | 14x1.0 | 17 | 22 | 22 | 34.5 | 37.5 | 57.5 | 14.5 | 21.5 | 23.5 | 27.5 | 7.0 | 11.0 | 18.660 |
| SO NV 51A40-9,52-3/8 | 068.0014.235 | 64 | 14x1.0 | 17 | 22 | 22 | 34.5 | 37.5 | 57.5 | 14.5 | 21.5 | 23.5 | 27.5 | 7.0 | 11.0 | 19.370 |
| SO NV 51A40-9,52-1/2 | 068.0014.240 | 64 | 14x1.0 | 17 | 22 | 22 | 34.5 | 38.5 | 57.5 | 14.5 | 21.5 | 23.5 | 25.5 | 7.0 | 11.0 | 21.700 |
| SO NV 51A40-12,7-1/2 | 068.0014.434 | 64 | 20x1.5 | 24 | 24 | 22 | 39.5 | 43.5 | 57.5 | 14.5 | 22.0 | 26.0 | 30.5 | 7.0 | 13.0 | 28.070 |

Umrechnung für "d" bei Zollrohren:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion de "d" pour tubes en pouces:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion for "d" for inch tubes:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

 D = ø 20 mm ≤ Anschlussgröße 8
 ø 32 mm ≥ Anschlussgröße 9,52

 D = ø 20 mm ≤ Dimension 8
 ø 32 mm ≥ Dimension 9,52

 D = ø 20 mm ≤ Dimension 8
 ø 32 mm ≥ Dimension 9,52

Montagehinweis: Nippel ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle-mâle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Assembly information: Male adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

d=Rohrassen-ø

e=kleinste Bohrung

kv=Kenngröße für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

H=Ventil geöffnet

*=mit reduziertem Klemmring

d=ø extérieur du tube

e=ø-min. de passage

kv=facteur d'écoulement (l/min)

L=après montage

H=vanne ouvert

*=avec bague de serrage de réduction

d=tube outside diameter

e=minimum bore

kv=flow factor (l/min)

L=installed length

H=valve opened

*=with reduced compression ferrule

Feinregulierventil

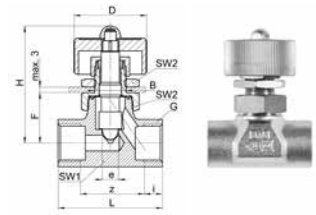
mit Innengewinde

Vanne de réglage fin

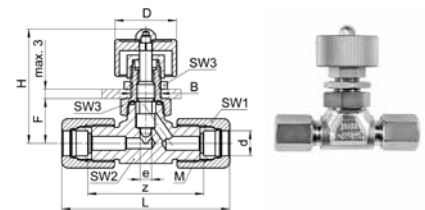
avec taraudage

Fine regulating valve

with female thread


SO NV 51C00

| Type -G | Mat.-Nr. | bar | SW1 | SW2 | L | D | H | B | F | i | z | e | kv | kg/100 |
|-----------------------------|--------------|-----|----------------------------------|-----|------|------|------|------|-------------------------|------|------|-----|-----|--------|
| G=Rohrgewinde (zylindrisch) | | | G=Filetage-gaz BSP (cylindrique) | | | | | | G=BSP thread (parallel) | | | | | |
| SO NV 51C00-1/8 | 068.0101.020 | 100 | 14 | 14 | 32.0 | 20.0 | 41.0 | 10.0 | 14.5 | 8.5 | 15.0 | 3.5 | 2.5 | 5.200 |
| SO NV 51C00-1/4 | 068.0101.040 | 100 | 22 | 14 | 34.0 | 20.0 | 43.0 | 10.0 | 16.5 | 9.5 | 15.0 | 3.5 | 2.5 | 8.100 |
| SO NV 51C00-3/8 | 068.0101.060 | 64 | 24 | 22 | 46.0 | 32.0 | 58.0 | 14.5 | 22.5 | 10.0 | 26.0 | 7.0 | 9.0 | 19.000 |

Feinregulierventil
Vanne de réglage fin
Fine regulating valve

SO NV 51C21

| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | D | H | B | F | z | e | kv | kg/100 |
|---------------------|--------------|-----|----------------------|-----|-----|-----|------|------|------------------|------|------|------|-----|------|--------|
| Für metrische Rohre | | | Pour tubes métriques | | | | | | For metric tubes | | | | | | |
| * SO NV 51C21-4 | 068.0111.040 | 100 | 10x1.0 | 12 | 14 | 14 | 50.0 | 20.0 | 41.0 | 10.0 | 14.5 | 34.0 | 3.5 | 2.5 | 7.200 |
| * SO NV 51C21-5 | 068.0111.050 | 100 | 10x1.0 | 12 | 14 | 14 | 50.0 | 20.0 | 41.0 | 10.0 | 14.5 | 34.0 | 3.5 | 2.5 | 7.100 |
| SO NV 51C21-6 | 068.0111.060 | 100 | 10x1.0 | 12 | 14 | 14 | 50.0 | 20.0 | 41.0 | 10.0 | 14.5 | 34.0 | 3.5 | 2.5 | 7.200 |
| SO NV 51C21-8 | 068.0111.080 | 100 | 12x1.0 | 14 | 14 | 14 | 54.0 | 20.0 | 41.0 | 10.0 | 14.5 | 37.5 | 3.5 | 3.5 | 8.600 |
| SO NV 51C21-10 | 068.0111.100 | 64 | 14x1.0 | 17 | 19 | 22 | 70.0 | 32.0 | 57.5 | 14.5 | 21.5 | 47.5 | 7.0 | 9.0 | 20.800 |
| SO NV 51C21-12 | 068.0111.120 | 64 | 16x1.0 | 19 | 19 | 22 | 72.0 | 32.0 | 57.5 | 14.5 | 21.5 | 47.5 | 7.0 | 9.5 | 21.900 |
| * SO NV 51C21-14 | 068.0111.140 | 64 | 20x1.5 | 24 | 24 | 22 | 80.0 | 32.0 | 57.5 | 14.5 | 22.0 | 52.0 | 7.0 | 10.0 | 31.700 |
| SO NV 51C21-15 | 068.0111.150 | 64 | 20x1.5 | 24 | 24 | 22 | 79.0 | 32.0 | 57.5 | 14.5 | 22.0 | 51.5 | 7.0 | 10.0 | 31.200 |
| Für Zollrohre | | | Pour tubes pouces | | | | | | For inch tubes | | | | | | |
| SO NV 51C21-6,35 | 068.0111.063 | 100 | 10x1.0 | 12 | 14 | 14 | 50.5 | 20.0 | 41.0 | 10.0 | 14.5 | 34.0 | 3.5 | 2.5 | 7.000 |
| SO NV 51C21-9,52 | 068.0111.095 | 64 | 14x1.0 | 17 | 22 | 22 | 69.0 | 32.0 | 57.5 | 14.5 | 21.5 | 47.5 | 7.0 | 9.0 | 20.700 |
| SO NV 51C21-12,7 | 068.0111.127 | 64 | 20x1.5 | 24 | 24 | 22 | 79.0 | 32.0 | 57.5 | 14.5 | 22.0 | 52.0 | 7.0 | 10.0 | 30.900 |
| * SO NV 51C21-13,5 | 068.0111.135 | 64 | 20x1.5 | 24 | 24 | 22 | 85.0 | 32.0 | 57.5 | 14.5 | 22.0 | 52.0 | 7.0 | 10.0 | 31.700 |

Umrechnung für "d" bei Zollrohren:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2
 13,5 = 17/32

Conversion de "d" pour tubes en pouces:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2
 13,5 = 17/32

Conversion for "d" for inch tubes:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2
 13,5 = 17/32

d=Rohraussen-ø

e=kleinste Bohrung

kv=Kenngröße für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

H=Ventil geöffnet

*=mit reduziertem Klemmring

d=ø extérieur du tube

e=ø-min. de passage

kv=facteur d'écoulement (l/min)

L=après montage

H=vanne ouvert

*=avec bague de serrage de réduction

d=tube outside diameter

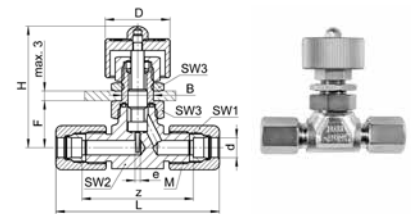
e=minimum bore

kv=flow factor (l/min)

L=installed length

H=valve opened

*=with reduced compression ferrule

Dosierventil
Vanne de réglage de précision
Metering valve

SO NV 51D21

| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | D | H | B | F | z | e | kv | kg/100 |
|---------------------|--------------|-----|----------------------|-----|-----|-----|------|------|------------------|------|------|------|-----|-----|--------|
| Für metrische Rohre | | | Pour tubes métriques | | | | | | For metric tubes | | | | | | |
| * SO NV 51D21-5 | 068.0611.050 | 100 | 10x1.0 | 12 | 14 | 14 | 50.5 | 20.0 | 42.5 | 10.0 | 14.5 | 34.0 | 1.6 | 0.8 | 7.300 |
| SO NV 51D21-6 | 068.0611.060 | 100 | 10x1.0 | 12 | 14 | 14 | 50.5 | 20.0 | 42.5 | 10.0 | 14.5 | 34.0 | 1.6 | 0.8 | 7.300 |

d=Rohraussen-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet
 *=mit reduziertem Klemmring

d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert
 *=avec bague de serrage de réduction

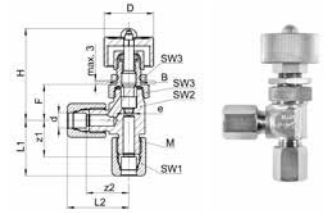
d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve opened
 *=with reduced compression ferrule

Regulier-Eckventil

Vanne-équerre de réglage

Elbow regulating valve

12



SO NV 51A21E

| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | z1 | z2 | e | kv | kg/100 | |
|---------------------|--------------|----------------------|--------|-----|-----|-----|------|------------------|------|------|------|------|------|-----|------|--------|--|
| Für metrische Rohre | | Pour tubes métriques | | | | | | For metric tubes | | | | | | | | | |
| * SO NV 51A21E-4 | 068.0020.040 | 100 | 10x1.0 | 12 | 14 | 14 | 22.5 | 25.0 | 41.0 | 10.0 | 15.0 | 14.5 | 17.0 | 3.5 | 3.0 | 6.600 | |
| * SO NV 51A21E-5 | 068.0020.050 | 100 | 10x1.0 | 12 | 14 | 14 | 22.5 | 25.0 | 41.0 | 10.0 | 15.0 | 14.5 | 17.0 | 3.5 | 3.0 | 6.600 | |
| SO NV 51A21E-6 | 068.0020.060 | 100 | 10x1.0 | 12 | 14 | 14 | 22.5 | 25.0 | 41.0 | 10.0 | 15.0 | 14.5 | 17.0 | 3.5 | 3.0 | 6.300 | |
| * SO NV 51A21E-8 | 068.0020.080 | 64 | 14x1.0 | 17 | 22 | 22 | 28.5 | 35.0 | 57.5 | 14.5 | 21.5 | 17.5 | 24.0 | 6.5 | 12.5 | 18.000 | |
| SO NV 51A21E-10 | 068.0020.100 | 64 | 14x1.0 | 17 | 22 | 22 | 28.5 | 35.0 | 57.5 | 14.5 | 21.5 | 17.0 | 23.5 | 7.0 | 12.5 | 17.600 | |
| SO NV 51A21E-12 | 068.0020.120 | 64 | 16x1.0 | 19 | 22 | 22 | 30.5 | 36.0 | 57.5 | 14.5 | 21.5 | 18.0 | 23.5 | 7.0 | 16.0 | 18.800 | |
| Für Zollrohre | | Pour tubes pouces | | | | | | For inch tubes | | | | | | | | | |
| SO NV 51A21E-6,35 | 068.0020.063 | 100 | 10x1.0 | 12 | 14 | 14 | 22.5 | 25.0 | 41.0 | 10.0 | 15.0 | 14.5 | 17.0 | 3.5 | 3.0 | 6.300 | |
| SO NV 51A21E-9,52 | 068.0020.095 | 64 | 14x1.0 | 17 | 22 | 22 | 28.0 | 34.5 | 57.5 | 14.5 | 21.5 | 17.0 | 23.5 | 7.0 | 12.5 | 17.900 | |

Umrechnung für "d" bei Zollrohren:
 6,35 = 1/4
 9,52 = 3/8

Conversion de "d" pour tubes en pouces:
 6,35 = 1/4
 9,52 = 3/8

Conversion for "d" for inch tubes:
 6,35 = 1/4
 9,52 = 3/8

D = ø 20 mm ≤ Anschlussgrösse 6,35
 ø 32 mm ≥ Anschlussgrösse 8

D = ø 20 mm ≤ Dimension 6,35
 ø 32 mm ≥ Dimension 8

D = ø 20 mm ≤ Dimension 6,35
 ø 32 mm ≥ Dimension 8

d=Rohraussen-ø
 e=kleinste Bohrung
 kv=Kenngrösse für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet
 *=mit reduziertem Klemmring

d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert
 *=avec bague de serrage de réduction

d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve opened
 *=with reduced compression ferrule

Regulier-Eckventil

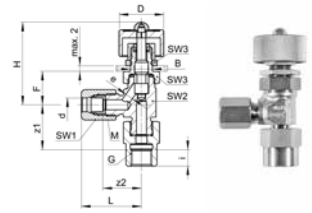
mit Übergangsmuffe SO 50030

Vanne-équerre de réglage

avec adaptateur femelle SO 50030

Elbow regulating valve

with female adaptor SO 50030


SO NV 51A30E

| Type -d-G | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | H | B | F | i | z1 | z2 | e | kv | kg/100 | |
|-----------------------------|--------------|----------------------------------|--------|-----|-----|-----|------|-------------------------|------|------|-----|------|------|-----|------|--------|--|
| Für metrische Rohre | | Pour tubes métriques | | | | | | For metric tubes | | | | | | | | | |
| G=Rohrgewinde (zylindrisch) | | G=Filetage-gaz BSP (cylindrique) | | | | | | G=BSP thread (parallel) | | | | | | | | | |
| * SO NV 51A30E-4-1/8 | 068.0022.060 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 41.0 | 10.0 | 15.0 | 7.5 | 20.0 | 17.0 | 3.5 | 3.0 | 7.290 | |
| * SO NV 51A30E-5-1/8 | 068.0022.082 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 41.0 | 10.0 | 15.0 | 7.5 | 20.0 | 17.0 | 3.5 | 3.0 | 7.290 | |
| SO NV 51A30E-6-1/8 | 068.0022.100 | 100 | 10x1.0 | 12 | 14 | 14 | 35.0 | 41.0 | 10.0 | 15.0 | 7.5 | 20.0 | 17.0 | 3.5 | 3.0 | 6.990 | |
| * SO NV 51A30E-8-1/4 | 068.0022.170 | 64 | 14x1.0 | 17 | 22 | 22 | 35.0 | 57.5 | 14.5 | 21.5 | 8.0 | 23.0 | 24.0 | 6.5 | 12.5 | 18.390 | |
| * SO NV 51A30E-8-3/8 | 068.0022.180 | 64 | 14x1.0 | 17 | 22 | 22 | 35.0 | 57.5 | 14.5 | 21.5 | 9.0 | 23.0 | 24.0 | 6.5 | 12.5 | 21.020 | |
| SO NV 51A30E-10-1/4 | 068.0022.270 | 64 | 14x1.0 | 17 | 22 | 22 | 35.0 | 57.5 | 14.5 | 21.5 | 8.0 | 23.0 | 24.0 | 7.0 | 12.5 | 17.690 | |
| SO NV 51A30E-10-3/8 | 068.0022.280 | 64 | 14x1.0 | 17 | 22 | 22 | 35.0 | 57.5 | 14.5 | 21.5 | 9.0 | 23.0 | 24.0 | 7.0 | 12.5 | 19.870 | |
| SO NV 51A30E-12-1/2 | 068.0022.400 | 64 | 16x1.0 | 19 | 22 | 22 | 36.0 | 57.5 | 14.5 | 21.5 | 9.5 | 25.5 | 24.0 | 7.0 | 16.0 | 23.620 | |
| Für Zollrohre | | Pour tubes pouces | | | | | | For inch tubes | | | | | | | | | |
| SO NV 51A30E-6,35-1/8 | 068.0022.135 | 100 | 10x1.0 | 12 | 14 | 14 | 25.0 | 41.0 | 10.0 | 15.0 | 7.5 | 20.0 | 17.0 | 3.5 | 3.0 | 7.010 | |
| SO NV 51A30E-9,52-1/4 | 068.0022.230 | 64 | 14x1.0 | 17 | 22 | 22 | 34.5 | 57.5 | 14.5 | 21.5 | 8.0 | 23.0 | 24.0 | 7.0 | 12.5 | 17.960 | |
| SO NV 51A30E-9,52-3/8 | 068.0022.235 | 64 | 14x1.0 | 17 | 22 | 22 | 34.5 | 57.5 | 14.0 | 21.5 | 9.0 | 23.0 | 24.0 | 7.0 | 12.5 | 20.140 | |

Umrechnung für "d" bei Zollrohren:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

Conversion de "d" pour tubes en pouces:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

Conversion for "d" for inch tubes:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

D = ø 20 mm ≤ Anschlussgröße 6,35
ø 32 mm ≥ Anschlussgröße 8

D = ø 20 mm ≤ Dimension 6,35
ø 32 mm ≥ Dimension 8

D = ø 20 mm ≤ Dimension 6,35
ø 32 mm ≥ Dimension 8

Montagehinweis: Muffe ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Assembly information: Female adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

d=Rohrassen-ø

e=kleinste Bohrung

kv=Kenngröße für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

H=Ventil geöffnet

*=mit reduziertem Klemmring

d=ø extérieur du tube

e=ø-min. de passage

kv=facteur d'écoulement (l/min)

L=après montage

H=vanne ouvert

*=avec bague de serrage de réduction

d=tube outside diameter

e=minimum bore

kv=flow factor (l/min)

L=installed length

H=valve opened

*=with reduced compression ferrule

Regulier-Eckventil

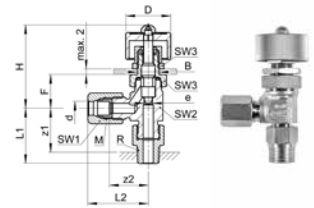
mit Übergangsnippel SO 50040

Vanne-équerre de réglage

avec adaptateur mâle SO 50040

Elbow regulating valve

with male adaptor SO 50040



SO NV 51A40E

| Type -d -R | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | z1 | z2 | e | kv | kg/100 |
|-------------------------|--------------|-----|--------|------------------------------|-----|-----|------|------|------|------|------|------------------------|------|-----|------|--------|
| Für metrische Rohre | | | | Pour tubes métriques | | | | | | | | For metric tubes | | | | |
| R=Rohrgewinde (kegelig) | | | | R=Filetage-gaz BSP (conique) | | | | | | | | R=BSP thread (tapered) | | | | |
| * SO NV 51A40E-4-1/4 | 068.0023.065 | 100 | 10x1.0 | 12 | 14 | 14 | 28.5 | 25.0 | 41.0 | 10.0 | 15.0 | 20.5 | 17.0 | 3.5 | 3.0 | 7.520 |
| * SO NV 51A40E-5-1/4 | 068.0023.084 | 100 | 10x1.0 | 12 | 14 | 14 | 28.5 | 25.0 | 41.0 | 10.0 | 15.0 | 20.5 | 17.0 | 3.5 | 3.0 | 7.520 |
| * SO NV 51A40E-8-3/8 | 068.0023.180 | 64 | 14x1.0 | 17 | 22 | 22 | 31.0 | 35.0 | 57.5 | 14.5 | 15.0 | 23.0 | 23.5 | 6.5 | 12.5 | 18.800 |
| * SO NV 51A40E-8-1/2 | 068.0023.185 | 64 | 14x1.0 | 17 | 22 | 22 | 32.0 | 35.0 | 57.5 | 14.5 | 21.5 | 22.0 | 23.5 | 6.5 | 12.5 | 21.130 |
| SO NV 51A40E-10-1/4 | 068.0023.270 | 64 | 14x1.0 | 17 | 22 | 22 | 31.0 | 35.0 | 57.5 | 14.5 | 21.5 | 23.0 | 23.5 | 7.0 | 12.5 | 17.800 |
| SO NV 51A40E-10-3/8 | 068.0023.280 | 64 | 14x1.0 | 17 | 22 | 22 | 31.0 | 35.0 | 57.5 | 14.5 | 21.5 | 23.0 | 23.5 | 7.0 | 12.5 | 18.100 |
| SO NV 51A40E-10-1/2 | 068.0023.285 | 64 | 14x1.0 | 17 | 22 | 22 | 32.0 | 35.0 | 57.5 | 14.5 | 21.5 | 22.0 | 23.5 | 7.0 | 12.5 | 20.430 |
| SO NV 51A40E-12-1/2 | 068.0023.400 | 64 | 16x1.0 | 19 | 22 | 22 | 36.0 | 36.0 | 57.5 | 14.5 | 21.5 | 26.0 | 23.5 | 7.0 | 16.0 | 21.420 |
| Für Zollrohre | | | | Pour tubes pouces | | | | | | | | For inch tubes | | | | |
| SO NV 51A40E-9,52-1/4 | 068.0023.230 | 64 | 14x1.0 | 17 | 22 | 22 | 31.0 | 34.5 | 57.5 | 14.5 | 21.5 | 23.0 | 23.5 | 7.0 | 12.5 | 17.660 |
| SO NV 51A40E-9,52-3/8 | 068.0023.235 | 64 | 14x1.0 | 17 | 22 | 22 | 31.0 | 34.5 | 57.5 | 14.5 | 21.5 | 23.0 | 23.5 | 7.0 | 12.5 | 18.370 |
| SO NV 51A40E-9,52-1/2 | 068.0023.240 | 64 | 14x1.0 | 17 | 22 | 22 | 32.0 | 34.5 | 57.5 | 14.5 | 21.5 | 22.0 | 23.5 | 7.0 | 12.5 | 20.700 |

Umrechnung für "d" bei Zollrohren:
9,52 = 3/8

Conversion de "d" pour tubes en pouces:
9,52 = 3/8

Conversion for "d" for inch tubes:
9,52 = 3/8

D = ø 20 mm ≤ Anschlussgröße 5
ø 32 mm ≥ Anschlussgröße 8

D = ø 20 mm ≤ Dimension 5
ø 32 mm ≥ Dimension 8

D = ø 20 mm ≤ Dimension 5
ø 32 mm ≥ Dimension 8

Montagehinweis: Nippel ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.
Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle-mâle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.
Nous recommandons une lubrification supplémentaire sur la surface plane.

Assembly information: Male adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.
We recommend additional lubrication on the plane surface.

d=Rohrassen-ø
e=kleinste Bohrung
kv=Kenngröße für das Durchflussverhalten (l/min)
L=Mass in montiertem Zustand
H=Ventil geöffnet
*=mit reduziertem Klemmring

d=ø extérieur du tube
e=ø-min. de passage
kv=facteur d'écoulement (l/min)
L=après montage
H=vanne ouvert
*=avec bague de serrage de réduction

d=tube outside diameter
e=minimum bore
kv=flow factor (l/min)
L=installed length
H=valve opened
*=with reduced compression ferrule

Regulier-Eckventil

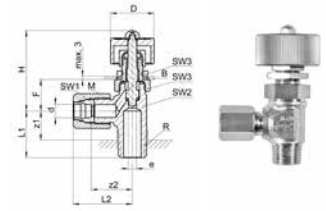
mit Einschraubgewinde

Vanne-équerre de réglage

avec filetage

Elbow regulating valve

with male thread



SO NV 51A21EB

| Type -d -R | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | z1 | z2 | e | kv | kg/100 | |
|--|--------------|--|--------|-----|-----|-----|------|--|------|------|------|------|------|-----|------|--------|--|
| Für metrische Rohre R=Rohrgewinde (kegelig) | | Pour tubes métriques R=Filetage-gaz BSP (conique) | | | | | | For metric tubes R=BSP thread (tapered) | | | | | | | | | |
| * SO NV 51A21EB-4-1/8 | 068.0021.060 | 100 | 10x1.0 | 12 | 14 | 14 | 14.5 | 25.0 | 41.0 | 10.0 | 15.0 | 9.5 | 17.0 | 3.5 | 3.0 | 5.700 | |
| * SO NV 51A21EB-5-1/8 | 068.0021.082 | 100 | 10x1.0 | 12 | 14 | 14 | 14.5 | 25.0 | 41.0 | 10.0 | 15.0 | 9.5 | 17.0 | 3.5 | 3.0 | 5.600 | |
| SO NV 51A21EB-6-1/8 | 068.0021.100 | 100 | 10x1.0 | 12 | 14 | 14 | 14.5 | 25.0 | 41.0 | 10.0 | 15.0 | 9.5 | 17.0 | 3.5 | 3.0 | 5.500 | |
| * SO NV 51A21EB-6-1/4 | 068.0021.110 | 100 | 12x1.0 | 14 | 14 | 14 | 21.5 | 27.0 | 41.0 | 10.0 | 15.0 | 13.5 | 19.0 | 5.0 | 3.0 | 6.700 | |
| SO NV 51A21EB-8-1/4 | 068.0021.170 | 100 | 12x1.0 | 14 | 14 | 14 | 21.5 | 27.0 | 41.0 | 10.0 | 15.0 | 13.5 | 18.0 | 3.5 | 12.5 | 6.400 | |
| SO NV 51A21EB-10-3/8 | 068.0021.280 | 64 | 14x1.0 | 17 | 22 | 22 | 22.0 | 35.0 | 57.5 | 14.5 | 21.5 | 14.0 | 23.0 | 7.0 | 12.5 | 16.300 | |
| SO NV 51A21EB-12-3/8 | 068.0021.390 | 64 | 16x1.0 | 19 | 22 | 22 | 24.0 | 36.0 | 57.5 | 14.5 | 21.5 | 16.0 | 23.0 | 7.0 | 16.0 | 17.200 | |

Für Zollrohre

Pour tubes pouces

For inch tubes

| | | | | | | | | | | | | | | | | |
|------------------------|--------------|-----|--------|----|----|----|------|------|------|------|------|------|------|-----|------|--------|
| SO NV 51A21EB-6,35-1/8 | 068.0021.135 | 100 | 10x1.0 | 12 | 14 | 14 | 14.5 | 25.0 | 41.0 | 10.0 | 15.0 | 9.5 | 17.0 | 3.5 | 3.0 | 5.500 |
| SO NV 51A21EB-9,52-3/8 | 068.0021.235 | 64 | 14x1.0 | 17 | 22 | 22 | 22.0 | 34.5 | 57.5 | 14.5 | 21.5 | 14.0 | 23.5 | 7.0 | 12.5 | 16.500 |

Umrechnung für "d" bei Zollrohren:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

Conversion de "d" pour tubes en pouces:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

Conversion for "d" for inch tubes:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

D = ø 20 mm ≤ Anschlussgröße 8
ø 32 mm ≥ Anschlussgröße 9,52

D = ø 20 mm ≤ Dimension 8
ø 32 mm ≥ Dimension 9,52

D = ø 20 mm ≤ Dimension 8
ø 32 mm ≥ Dimension 9,52

Regulier-Eckventil

mit Einstellzapfen

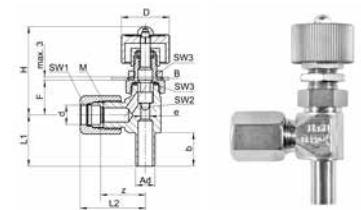
Vanne-équerre de réglage

orientable

Elbow regulating valve

adjustable

SO NV 51A60EL



| Type -d -Ad | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | b | z | e | kv | kg/100 |
|--------------------|--------------|-----|--------|-----|-----|-----|------|------|------|------|------|------|------|-----|------|--------|
| SO NV 51A60EL-6-A6 | 068.0026.060 | 100 | 10x1.0 | 12 | 14 | 14 | 20.5 | 27.5 | 41.0 | 10.0 | 15.0 | 13.0 | 19.5 | 3.5 | 3.0 | 6.310 |
| SO NV 51A60EL-8-A8 | 068.0026.080 | 100 | 12x1.0 | 14 | 14 | 14 | 20.5 | 27.0 | 41.0 | 10.0 | 15.0 | 14.0 | 18.5 | 3.5 | 12.5 | 6.670 |

D = ø 20 mm

D = ø 20 mm

D = ø 20 mm

d=Rohraussen-ø

Ad=Aussen-ø der Andrehung

kv=Kenngröße für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

H=Ventil geöffnet

*=mit reduziertem Klemmring

d=ø extérieur du tube

Ad=ø extérieur de la portée cylindrique

kv=facteur d'écoulement (l/min)

L=après montage

H=vanne ouvert

*=avec bague de serrage de réduction

d=tube outside diameter

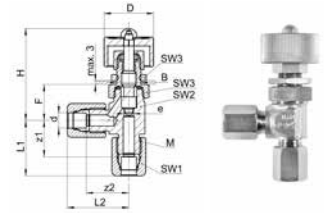
Ad=outside diameter of cyl. stub

kv=flow factor (l/min)

L=installed length

H=valve opened

*=with reduced compression ferrule

Feinregulier-Eckventil
Vanne-équerre de réglage fin
Elbow fine regulating valve

SO NV 51C21E

| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | z1 | z2 | e | kv | kg/100 | |
|---------------------|--------------|----------------------|--------|-----|-----|-----|------|------------------|------|------|------|------|------|-----|------|--------|--|
| Für metrische Rohre | | Pour tubes métriques | | | | | | For metric tubes | | | | | | | | | |
| * SO NV 51C21E-4 | 068.0120.040 | 100 | 10x1.0 | 12 | 14 | 14 | 22.5 | 25.0 | 41.0 | 10.0 | 15.0 | 14.5 | 17.0 | 3.5 | 2.5 | 7.100 | |
| * SO NV 51C21E-5 | 068.0120.050 | 100 | 10x1.0 | 12 | 14 | 14 | 22.5 | 25.0 | 41.0 | 10.0 | 15.0 | 14.5 | 17.0 | 3.5 | 2.5 | 7.000 | |
| SO NV 51C21E-6 | 068.0120.060 | 100 | 10x1.0 | 12 | 14 | 14 | 22.5 | 25.0 | 41.0 | 10.0 | 15.0 | 14.5 | 17.0 | 3.5 | 2.5 | 6.700 | |
| * SO NV 51C21E-8 | 068.0120.080 | 64 | 14x1.0 | 17 | 22 | 22 | 28.5 | 35.0 | 57.5 | 14.5 | 21.5 | 17.5 | 24.0 | 6.5 | 3.0 | 20.300 | |
| SO NV 51C21E-10 | 068.0120.100 | 64 | 14x1.0 | 17 | 22 | 22 | 28.5 | 35.0 | 57.5 | 14.5 | 21.5 | 17.0 | 23.5 | 7.0 | 8.5 | 19.400 | |
| SO NV 51C21E-12 | 068.0120.120 | 64 | 16x1.0 | 19 | 22 | 22 | 30.5 | 36.0 | 57.5 | 14.5 | 21.5 | 18.0 | 23.5 | 7.0 | 10.5 | 21.200 | |
| Für Zollrohre | | Pour tubes pouces | | | | | | For inch tubes | | | | | | | | | |
| SO NV 51C21E-6,35 | 068.0120.063 | 100 | 10x1.0 | 12 | 14 | 14 | 22.5 | 25.0 | 41.0 | 10.0 | 15.0 | 14.5 | 17.0 | 3.5 | 2.5 | 6.700 | |
| SO NV 51C21E-9,52 | 068.0120.095 | 64 | 14x1.0 | 17 | 22 | 22 | 28.0 | 34.5 | 57.5 | 14.5 | 21.5 | 17.0 | 23.5 | 7.0 | 8.5 | 19.800 | |

Umrechnung für "d" bei Zollrohren:

6,35 = 1/4

9,52 = 3/8

Conversion de "d" pour tubes en pouces:

6,35 = 1/4

9,52 = 3/8

Conversion for "d" for inch tubes:

6,35 = 1/4

9,52 = 3/8

D = ø 20 mm ≤ Anschlussgrösse 6,35

ø 32 mm ≥ Anschlussgrösse 8

D = ø 20 mm ≤ Dimension 6,35

ø 32 mm ≥ Dimension 8

D = ø 20 mm ≤ Dimension 6,35

ø 32 mm ≥ Dimension 8

d=Rohraussen-ø

e=kleinste Bohrung

kv=Kenngrösse für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

H=Ventil geöffnet

*=mit reduziertem Klemmring

d=ø extérieur du tube

e=ø-min. de passage

kv=facteur d'écoulement (l/min)

L=après montage

H=vanne ouvert

*=avec bague de serrage de réduction

d=tube outside diameter

e=minimum bore

kv=flow factor (l/min)

L=installed length

H=valve opened

*=with reduced compression ferrule

Feinregulier-Eckventil

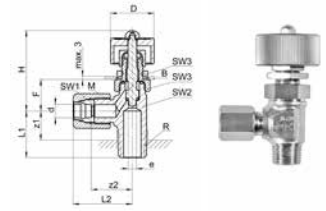
mit Einschraubgewinde

Vanne-équerre de réglage fin

avec filetage

Elbow fine regulating valve

with male thread


SO NV 51C21EB

| Type -d -R | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | z1 | z2 | e | kv | kg/100 | |
|--|--------------|--|--------|-----|-----|-----|------|--|------|------|------|------|------|-----|------|--------|--|
| Für metrische Rohre R=Rohrgewinde (kegelig) | | Pour tubes métriques R=Filetage-gaz BSP (conique) | | | | | | For metric tubes R=BSP thread (tapered) | | | | | | | | | |
| * SO NV 51C21EB-4-1/8 | 068.0121.060 | 100 | 10x1.0 | 12 | 14 | 14 | 14.5 | 25.0 | 41.0 | 10.0 | 15.0 | 9.5 | 17.0 | 3.5 | 2.5 | 5.700 | |
| * SO NV 51C21EB-5-1/8 | 068.0121.082 | 100 | 10x1.0 | 12 | 14 | 14 | 14.5 | 25.0 | 41.0 | 10.0 | 15.0 | 9.5 | 17.0 | 3.5 | 2.5 | 6.100 | |
| SO NV 51C21EB-6-1/8 | 068.0121.100 | 100 | 10x1.0 | 12 | 14 | 14 | 14.5 | 25.0 | 41.0 | 10.0 | 15.0 | 9.5 | 17.0 | 3.5 | 2.5 | 5.900 | |
| * SO NV 51C21EB-6-1/4 | 068.0121.110 | 100 | 12x1.0 | 14 | 14 | 14 | 21.5 | 27.0 | 41.0 | 10.0 | 15.0 | 13.5 | 18.0 | 3.5 | 2.5 | 7.200 | |
| SO NV 51C21EB-8-1/4 | 068.0121.170 | 100 | 12x1.0 | 14 | 14 | 14 | 21.5 | 27.0 | 41.0 | 10.0 | 15.0 | 13.5 | 18.0 | 3.5 | 3.0 | 6.900 | |
| SO NV 51C21EB-10-3/8 | 068.0121.280 | 64 | 14x1.0 | 17 | 22 | 22 | 22.0 | 35.0 | 57.5 | 14.5 | 21.5 | 14.0 | 23.0 | 7.0 | 8.5 | 18.200 | |
| SO NV 51C21EB-12-3/8 | 068.0121.390 | 64 | 16x1.0 | 19 | 22 | 22 | 24.0 | 36.0 | 57.5 | 14.5 | 21.5 | 16.0 | 23.0 | 7.0 | 10.5 | 19.400 | |

Für Zollrohre

Pour tubes pouces

For inch tubes

| | | | | | | | | | | | | | | | | |
|------------------------|--------------|-----|--------|----|----|----|------|------|------|------|------|------|------|-----|-----|--------|
| SO NV 51C21EB-6,35-1/8 | 068.0121.135 | 100 | 10x1.0 | 12 | 14 | 14 | 14.5 | 25.0 | 41.0 | 10.0 | 15.0 | 9.5 | 17.0 | 3.5 | 2.5 | 5.900 |
| SO NV 51C21EB-9,52-3/8 | 068.0121.235 | 64 | 14x1.0 | 17 | 22 | 22 | 22.0 | 34.5 | 57.5 | 14.5 | 21.5 | 14.0 | 23.5 | 7.0 | 8.5 | 18.400 |

Umrechnung für "d" bei Zollrohren:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

Conversion de "d" pour tubes en pouces:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

Conversion for "d" for inch tubes:

$$6,35 = 1/4$$

$$9,52 = 3/8$$

 D = \varnothing 20 mm \leq Anschlussgröße 8
 \varnothing 32 mm \geq Anschlussgröße 9,52

 D = \varnothing 20 mm \leq Dimension 8
 \varnothing 32 mm \geq Dimension 9,52

 D = \varnothing 20 mm \leq Dimension 8
 \varnothing 32 mm \geq Dimension 9,52

Feinregulier-Eckventil

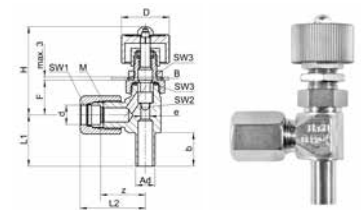
mit Einstellzapfen

Vanne-équerre de réglage fin

orientable

Elbow fine regulating valve

adjustable

SO NV 51C60EL


| Type -d -Ad | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L1 | L2 | H | B | F | b | z | e | kv | kg/100 |
|--------------------|--------------|-----|--------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|--------|
| SO NV 51C60EL-6-A6 | 068.0126.060 | 100 | 10x1.0 | 12 | 14 | 14 | 20.5 | 27.5 | 41.0 | 10.0 | 15.0 | 13.0 | 19.5 | 3.5 | 2.5 | 5.900 |
| SO NV 51C60EL-8-A8 | 068.0126.080 | 100 | 12x1.0 | 14 | 14 | 14 | 20.5 | 27.0 | 41.0 | 10.0 | 15.0 | 14.0 | 18.5 | 3.5 | 3.0 | 6.600 |

 D = \varnothing 20 mm

 D = \varnothing 20 mm

 D = \varnothing 20 mm

 d=Rohraussen- \varnothing

 Ad=Aussen- \varnothing der Andrehung

kv=Kenngröße für das Durchflussverhalten (l/min)

L=Mass in montiertem Zustand

H=Ventil geöffnet

*=mit reduziertem Klemmring

 d= \varnothing extérieur du tube

 Ad= \varnothing extérieur de la portée cylindrique

kv=facteur d'écoulement (l/min)

L=après montage

H=vanne ouvert

*=avec bague de serrage de réduction

d=tube outside diameter

Ad=outside diameter of cyl. stub

kv=flow factor (l/min)

L=installed length

H=valve opened

*=with reduced compression ferrule

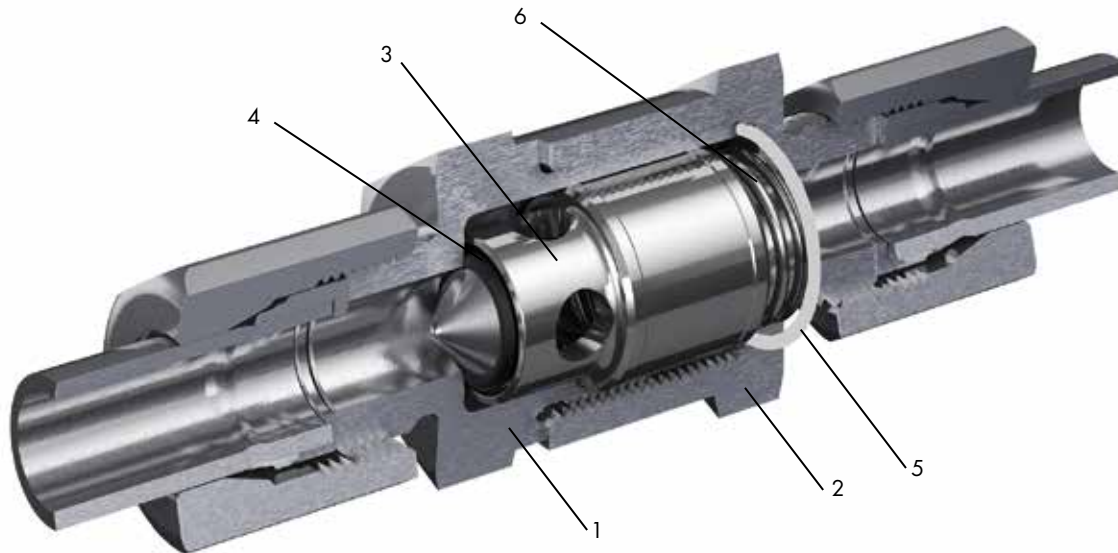
Kegelrückschlagventil

Clapet anti-retour à siège conique

Taper seat non-return valve

SO CV 53B21
SOL CV 53B21

12



| Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material |
|-------------------|--|----------------------------------|-------------------|---|----------------------------------|-------------------|--|----------------------------------|
| 1 | Ventilkegelführung Guidage cône du clapet Valve cone guide | 1.4571 | 3 | Ventilkegel Cône du clapet Valve cone | 1.4571 | 5 | Dichtscheibe Rondelle de joint Sealing washer | PTFE (FDA) |
| 2 | Ventilmutter Écrou du clapet Valve nut | 1.4571 | 4* | Dichtung Joint Seal | FKM (FDA) | 6* | Druckfeder Ressort de compression Compression spring | 1.4401 |

Spezifikationen

Betriebsdruck (PN): 100 bis 200 bar
 Temperatur: -20°C bis +200°C
 Öffnungsdruck: 1 bar ± 20 %
 Sicherheitsfaktor: 1.5-fach

Merkmale

- Funktion: Rückflussverhinderer
- Einsatz: Luft, Öle und Flüssiggase (Beständigkeit Dichtung beachten)
- Material: Edelstahl 1.4571

* Optionen

- Nr. 4 - Dichtung: EPDM, FFKM
- Nr. 6 - Druckfeder: Öffnungsdruck 0.2, 0.5, 2, 3, 5 bar, ± 20 % (mind. ± 0.1 bar)
- Varianten: mit Übergangsmuffe SO 50030 oder Übergangsnippel SO 50040

Spécifications

Pression de service (PN): 100 à 200 bar
 Température: -20°C à +200°C
 Pression d'ouverture: 1 bar ± 20 %
 Facteur de sécurité: 1.5 fois

Caractéristiques

- Fonction: clapet anti-retour
- Application: air, huiles et gaz liquéfiés (tenir compte de la résistance de l'étanchéité)
- Matériau: acier inoxydable 1.4571

* Options

- No. 4 - Joint: EPDM, FFKM
- No. 6 - Ressort de compression: pression d'ouverture 0.2, 0.5, 2, 3, 5 bar, ± 20 % (min. ± 0.1 bar)
- Autres versions: avec adaptateur femelle SO 50030 ou mâle SO 50040

Specifications

Working pressure (PN): 100 to 200 bar
 Temperature: -20°C to +200°C
 Opening pressure: 1 bar ± 20 %
 Safety factor: 1.5 times

Characteristics

- Function: check valve
- Uses: air, oils and liquid gases (check resistance of seal)
- Material: stainless steel 1.4571

* Options

- No. 4 - Seal: EPDM, FFKM
- No. 6 - Compression spring: opening pressure 0.2, 0.5, 2, 3, 5 bar, ± 20 % (min. ± 0.1 bar)
- Other versions: with female SO 50030 or male adaptor SO 50040

Durchflussdiagramm

Der Druckabfall nimmt mit zunehmendem Durchfluss überproportional zu.

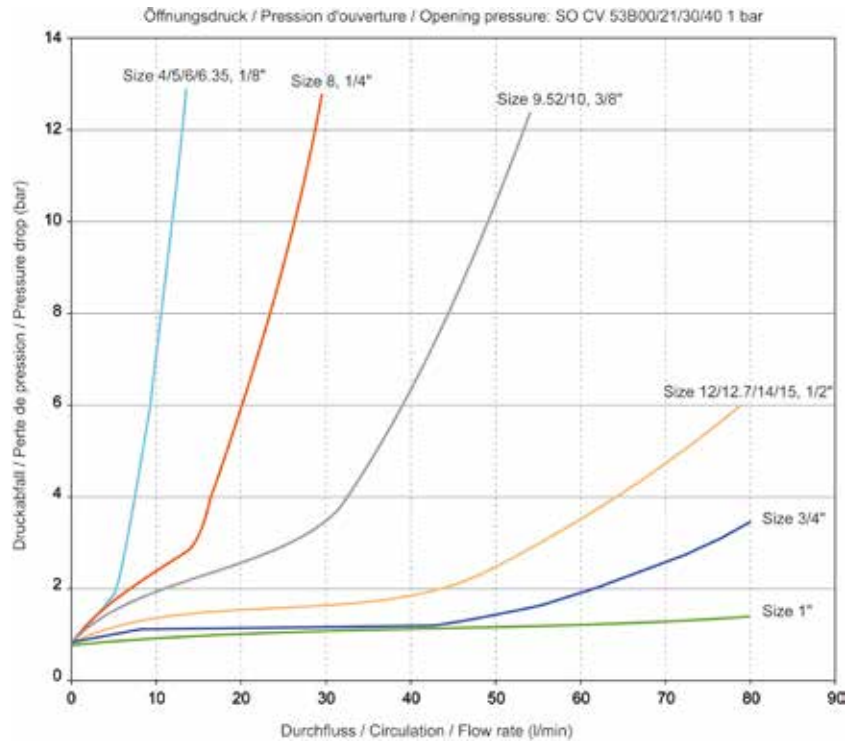
Courbe de débit

La perte de pression augmente disproportionnellement avec plus de débit.

Flow rate

The pressure drop increases disproportionately with increasing flow rate.

SO CV 53B21



Öffnungsdruckdiagramm

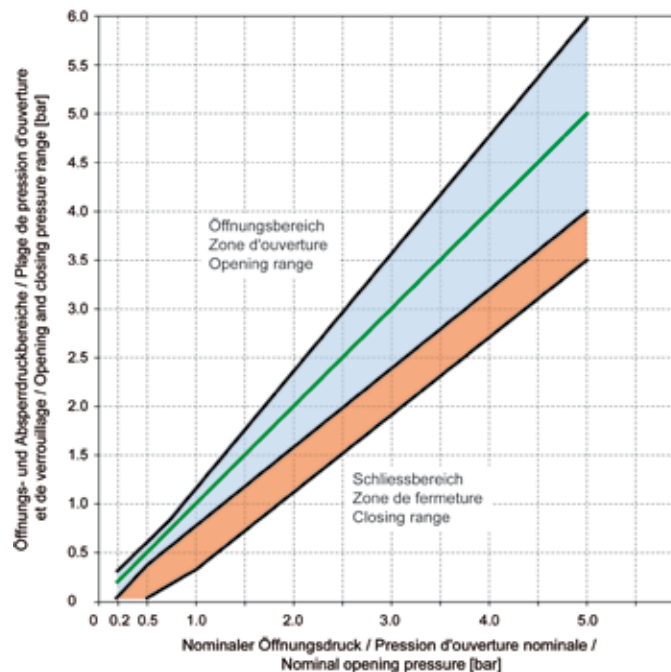
Der Öffnungsdruck bewegt sich im blau skizzierten Bereich. Das Ventil schliesst im rot skizzierten Bereich.

Courbe de pression d'ouverture

La pression d'ouverture se trouve dans la zone indiquée en bleu. La vanne se ferme dans la zone indiquée en rouge.

Opening pressure diagram

The opening pressure ranges within the blue section. The valve closes within the red section.



Sonderausführungen

siehe Kapitelübersicht

Exécutions en option

voir aperçu du chapitre

Optional services

see chapter overview

Kegelrückschlagventil

mit Innengewinde

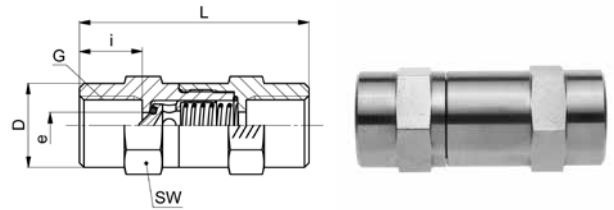
Clapet anti-retour à siège conique

avec taraudage

Taper seat non-return valve

with female thread

SO CV 53B00



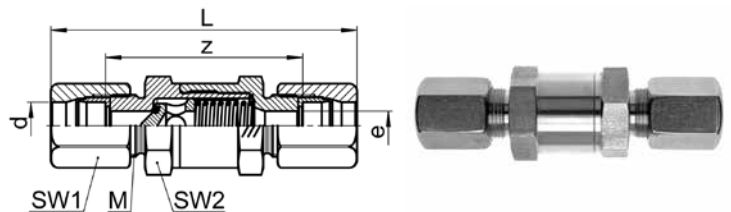
| Type -G | Mat.-Nr. | bar | SW | L | D | i | e | kg/100 |
|-----------------------------|----------------------------------|-----|-------------------------|------|------|------|------|--------|
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | | G=BSP thread (parallel) | | | | | |
| SO CV 53B00-1/8 | 068.3100.020 | 400 | 17 | 42.5 | 17.0 | 10.0 | 4.0 | 6.000 |
| SO CV 53B00-1/4 | 068.3100.040 | 400 | 19 | 51.0 | 19.0 | 14.0 | 6.0 | 8.100 |
| SO CV 53B00-3/8 | 068.3100.060 | 400 | 24 | 60.0 | 24.0 | 14.0 | 7.5 | 18.100 |
| SO CV 53B00-1/2 | 068.3100.080 | 315 | 30 | 72.0 | 30.0 | 18.0 | 11.0 | 26.600 |
| SO CV 53B00-3/4 | 068.3100.120 | 250 | 36 | 84.0 | 36.0 | 20.0 | 14.0 | 45.000 |
| SO CV 53B00-1 | 068.3100.160 | 250 | 46 | 95.0 | 46.0 | 23.0 | 18.0 | 81.700 |

Kegelrückschlagventil

Clapet anti-retour à siège conique

Taper seat non-return valve

SO CV 53B21



| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | L | z | e | kg/100 |
|---------------------|----------------------|-----|------------------|-----|-----|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | For metric tubes | | | | | | |
| ★ SO CV 53B21-4 | 068.3010.040 | 200 | 10x1.0 | 12 | 17 | 53.5 | 38.5 | 3.0 | 5.720 |
| ★ SO CV 53B21-5 | 068.3010.050 | 200 | 10x1.0 | 12 | 17 | 53.5 | 38.5 | 3.8 | 5.600 |
| SO CV 53B21-6 | 068.3010.060 | 200 | 10x1.0 | 12 | 17 | 53.5 | 38.5 | 3.8 | 5.520 |
| SO CV 53B21-8 | 068.3010.080 | 200 | 12x1.0 | 14 | 19 | 60.5 | 44.0 | 5.8 | 7.960 |
| SO CV 53B21-10 | 068.3010.100 | 160 | 14x1.0 | 17 | 22 | 73.5 | 51.0 | 7.5 | 15.140 |
| SO CV 53B21-12 | 068.3010.120 | 100 | 16x1.0 | 19 | 22 | 75.5 | 51.0 | 7.5 | 27.420 |
| ★ SO CV 53B21-14 | 068.3010.140 | 100 | 20x1.5 | 24 | 30 | 86.5 | 58.5 | 11.0 | 31.400 |
| SO CV 53B21-15 | 068.3010.150 | 100 | 20x1.5 | 24 | 30 | 86.5 | 58.5 | 11.0 | 30.980 |
| Für Zollrohre | Pour tubes pouces | | For inch tubes | | | | | | |
| SO CV 53B21-6,35 | 068.3010.063 | 200 | 10x1.0 | 12 | 17 | 53.5 | 38.5 | 3.8 | 5.460 |
| SO CV 53B21-9,52 | 068.3010.095 | 160 | 14x1.0 | 17 | 22 | 73.5 | 51.0 | 7.5 | 15.240 |
| ★ SO CV 53B21-12,7 | 068.3010.127 | 100 | 20x1.5 | 24 | 30 | 86.5 | 58.5 | 11.0 | 31.940 |

Umrechnung für "d" bei Zollrohren:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion de "d" pour tubes en pouces:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion for "d" for inch tubes:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

d=Rohraussen-ø
 e=kleinste Bohrung
 L=Mass in montiertem Zustand
 *=mit reduziertem Klemmring

d=ø extérieur du tube
 e=ø-min. de passage
 L=après montage
 *=avec bague de serrage de réduction

d=tube outside diameter
 e=minimum bore
 L=installed length
 *=with reduced compression ferrule

Kegelrückschlagventil

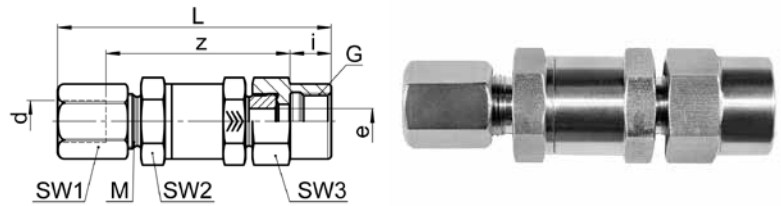
mit Übergangsmuffe SO 50030

Clapet anti-retour à siège conique

avec adaptateur femelle SO 50030

Taper seat non-return valve

with female adaptor SO 50030



SO CV 53B30

| Type - d - G | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | i | z | e | kg/100 | |
|-----------------------------|----------------------------------|-----|--------|-------------------------|-----|-----|------|------|------|------|--------|--|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | | |
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | | | G=BSP thread (parallel) | | | | | | | | |
| * SO CV 53B30-4-1/8 | 068.3011.060 | 200 | 10x1.0 | 12 | 17 | 14 | 59.0 | 10.0 | 41.5 | 3.5 | 6.260 | |
| * SO CV 53B30-5-1/8 | 068.3011.082 | 200 | 10x1.0 | 12 | 17 | 14 | 59.0 | 10.0 | 41.5 | 3.8 | 6.200 | |
| SO CV 53B30-6-1/8 | 068.3011.100 | 200 | 10x1.0 | 12 | 17 | 14 | 59.0 | 10.0 | 41.5 | 3.8 | 6.160 | |
| SO CV 53B30-6-1/4 | 068.3011.110 | 200 | 10x1.0 | 12 | 17 | 17 | 66.5 | 11.0 | 46.5 | 3.8 | 6.970 | |
| SO CV 53B30-8-1/8 | 068.3011.160 | 200 | 12x1.0 | 14 | 19 | 17 | 65.0 | 10.0 | 46.5 | 5.8 | 9.390 | |
| SO CV 53B30-8-1/4 | 068.3011.170 | 200 | 12x1.0 | 14 | 19 | 17 | 67.0 | 12.0 | 48.0 | 5.8 | 9.130 | |
| SO CV 53B30-8-3/8 | 068.3011.180 | 160 | 12x1.0 | 14 | 19 | 22 | 67.0 | 11.0 | 46.5 | 5.8 | 11.230 | |
| SO CV 53B30-10-1/4 | 068.3011.270 | 160 | 14x1.0 | 17 | 22 | 17 | 76.0 | 12.0 | 53.5 | 7.5 | 14.890 | |
| SO CV 53B30-10-3/8 | 068.3011.280 | 160 | 14x1.0 | 17 | 22 | 22 | 77.0 | 12.0 | 53.5 | 7.5 | 17.170 | |
| SO CV 53B30-12-1/2 | 068.3011.400 | 160 | 16x1.0 | 19 | 22 | 27 | 79.0 | 12.0 | 53.5 | 7.5 | 31.590 | |
| * SO CV 53B30-14-1/2 | 068.3011.504 | 100 | 20x1.5 | 24 | 30 | 27 | 95.0 | 12.0 | 67.5 | 11.0 | 32.820 | |
| SO CV 53B30-15-1/2 | 068.3011.534 | 100 | 20x1.5 | 24 | 30 | 27 | 90.0 | 12.0 | 62.5 | 11.0 | 32.610 | |
| SO CV 53B30-15-3/4 | 068.3011.536 | 100 | 20x1.5 | 24 | 30 | 32 | 98.0 | 15.0 | 67.5 | 11.0 | 36.350 | |

Für Zollrohre

Pour tubes pouces

For inch tubes

| | | | | | | | | | | | |
|----------------------|--------------|-----|--------|----|----|----|------|------|------|------|--------|
| SO CV 53B30-6,35-1/8 | 068.3011.135 | 200 | 10x1.0 | 12 | 17 | 14 | 59.0 | 10.0 | 41.5 | 3.8 | 6.130 |
| SO CV 53B30-9,52-1/4 | 068.3011.230 | 160 | 14x1.0 | 17 | 22 | 17 | 76.0 | 12.0 | 53.5 | 7.5 | 14.940 |
| SO CV 53B30-9,52-3/8 | 068.3011.235 | 160 | 14x1.0 | 17 | 22 | 22 | 77.0 | 12.0 | 53.5 | 7.5 | 17.220 |
| SO CV 53B30-12,7-1/2 | 068.3011.434 | 100 | 20x1.5 | 24 | 30 | 27 | 90.0 | 12.0 | 62.5 | 11.0 | 33.090 |

Umrechnung für "d" bei Zollrohren:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion de "d" pour tubes en pouces:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion for "d" for inch tubes:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Montagehinweis: Nippel ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle-mâle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Assembly information: Male adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

d=Rohraussen-ø
e=kleinste Bohrung
L=Mass in montiertem Zustand
*=mit reduziertem Klemmring

d=ø extérieur du tube
e=ø-min. de passage
L=après montage
*=avec bague de serrage de réduction

d=tube outside diameter
e=minimum bore
L=installed length
*=with reduced compression ferrule

Kegelrückschlagventil

mit Übergangsnippel SO 50040

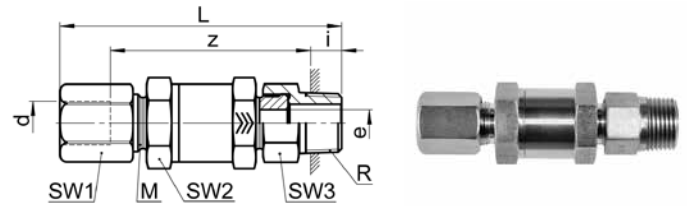
Clapet anti-retour à siège conique

avec adaptateur mâle SO 50040

Taper seat non-return valve

with male adaptor SO 50040

SO CV 53B40



| Type -d-R | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | i | z | e | kg/100 | |
|-------------------------|------------------------------|-----|--------|------------------------|-----|-----|------|------|------|------|--------|--|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | | | | |
| R=Rohrgewinde (kegelig) | R=Filetage-gaz BSP (conique) | | | R=BSP thread (tapered) | | | | | | | | |
| * SO CV 53B40-4-1/8 | 068.3012.060 | 200 | 10x1.0 | 12 | 17 | 12 | 56.0 | 5.0 | 43.0 | 3.5 | 5.500 | |
| * SO CV 53B40-4-1/4 | 068.3012.065 | 200 | 10x1.0 | 12 | 17 | 14 | 60.0 | 8.0 | 44.0 | 3.5 | 6.470 | |
| * SO CV 53B40-5-1/8 | 068.3012.082 | 200 | 10x1.0 | 12 | 17 | 12 | 56.0 | 5.0 | 43.0 | 3.8 | 5.440 | |
| * SO CV 53B40-5-1/4 | 068.3012.084 | 200 | 10x1.0 | 12 | 17 | 14 | 60.0 | 8.0 | 44.0 | 3.8 | 6.410 | |
| SO CV 53B40-6-1/8 | 068.3012.100 | 200 | 10x1.0 | 12 | 17 | 12 | 56.0 | 5.0 | 43.0 | 3.8 | 5.400 | |
| SO CV 53B40-6-1/4 | 068.3012.110 | 200 | 10x1.0 | 12 | 17 | 14 | 60.0 | 8.0 | 44.0 | 3.8 | 6.370 | |
| SO CV 53B40-8-1/8 | 068.3012.160 | 200 | 12x1.0 | 14 | 19 | 14 | 62.0 | 5.0 | 48.5 | 5.8 | 7.760 | |
| SO CV 53B40-8-1/4 | 068.3012.170 | 200 | 12x1.0 | 14 | 19 | 14 | 66.0 | 8.0 | 49.5 | 5.8 | 8.230 | |
| SO CV 53B40-8-3/8 | 068.3012.180 | 160 | 12x1.0 | 14 | 19 | 17 | 66.0 | 8.0 | 49.5 | 5.8 | 9.580 | |
| SO CV 53B40-8-1/2 | 068.3012.185 | 160 | 12x1.0 | 14 | 19 | 22 | 70.0 | 10.0 | 51.5 | 5.8 | 10.480 | |
| SO CV 53B40-10-1/4 | 068.3012.270 | 160 | 14x1.0 | 17 | 22 | 17 | 76.0 | 8.0 | 56.5 | 7.5 | 14.590 | |
| SO CV 53B40-10-3/8 | 068.3012.280 | 160 | 14x1.0 | 17 | 22 | 17 | 76.0 | 8.0 | 56.5 | 7.5 | 15.300 | |
| SO CV 53B40-10-1/2 | 068.3012.285 | 160 | 14x1.0 | 17 | 22 | 22 | 77.0 | 10.0 | 55.5 | 7.5 | 17.630 | |
| SO CV 53B40-12-1/2 | 068.3012.400 | 160 | 16x1.0 | 19 | 22 | 22 | 80.0 | 10.0 | 58.5 | 7.5 | 29.640 | |
| * SO CV 53B40-14-1/2 | 068.3012.504 | 100 | 20x1.5 | 24 | 30 | 24 | 95.0 | 10.0 | 67.5 | 11.0 | 30.420 | |
| SO CV 53B40-15-1/2 | 068.3012.534 | 100 | 20x1.5 | 24 | 30 | 24 | 90.0 | 10.0 | 67.5 | 11.0 | 30.210 | |
| SO CV 53B40-15-3/4 | 068.3012.536 | 100 | 20x1.5 | 24 | 30 | 27 | 90.5 | 9.5 | 66.5 | 11.0 | 31.560 | |

Für Zollrohre

Pour tubes pouces

For inch tubes

| | | | | | | | | | | | |
|----------------------|--------------|-----|--------|----|----|----|------|------|------|------|--------|
| SO CV 53B40-6,35-1/8 | 068.3012.135 | 200 | 10x1.0 | 12 | 17 | 12 | 56.0 | 5.0 | 38.5 | 3.8 | 5.370 |
| SO CV 53B40-6,35-1/4 | 068.3012.140 | 200 | 10x1.0 | 12 | 17 | 14 | 60.0 | 8.0 | 38.5 | 3.8 | 6.340 |
| SO CV 53B40-9,52-1/4 | 068.3012.230 | 160 | 14x1.0 | 17 | 22 | 17 | 76.0 | 8.0 | 51.0 | 7.5 | 14.640 |
| SO CV 53B40-9,52-3/8 | 068.3012.235 | 160 | 14x1.0 | 17 | 22 | 17 | 76.0 | 8.0 | 51.0 | 7.5 | 15.350 |
| SO CV 53B40-9,52-1/2 | 068.3012.240 | 160 | 14x1.0 | 17 | 22 | 22 | 77.0 | 10.0 | 51.0 | 7.5 | 17.680 |
| SO CV 53B40-12,7-1/2 | 068.3012.434 | 100 | 20x1.5 | 24 | 30 | 24 | 90.0 | 10.0 | 58.5 | 11.0 | 30.690 |

Umrechnung für "d" bei Zollrohren:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion de "d" pour tubes en pouces:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Conversion for "d" for inch tubes:

 6,35 = 1/4
 9,52 = 3/8
 12,7 = 1/2

Montagehinweis: Nippel ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Note d'installation: L'adaptateur femelle-mâle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Assembly information: Male adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

d=Rohrassen-ø
 e=kleinste Bohrung
 L=Mass in montiertem Zustand
 *=mit reduziertem Klemmring

d=ø extérieur du tube
 e=ø-min. de passage
 L=après montage
 *=avec bague de serrage de réduction

d=tube outside diameter
 e=minimum bore
 L=installed length
 *=with reduced compression ferrule

Kugelhahn

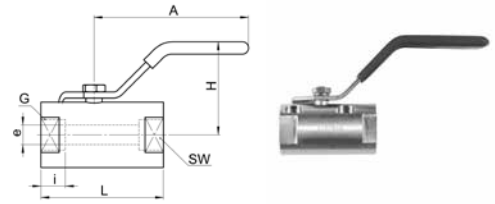
mit Innengewinde

Vanne à bille

avec taraudage

Ball valve

with female thread



SO BV 58A00

| Type -G | Mat.-Nr. | bar | SW | L | A | H | i | e | kv | kg/100 |
|-----------------------------|----------------------------------|-------------------------|----|------|-------|------|------|------|-------|--------|
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | G=BSP thread (parallel) | | | | | | | | |
| SO BV 58A00-1/4 | 068.8041.040 | 55 | 26 | 59.5 | 115.0 | 54.0 | 10.0 | 8.0 | 70.0 | 34.000 |
| SO BV 58A00-3/8 | 068.8041.060 | 55 | 27 | 59.5 | 115.0 | 60.0 | 12.0 | 9.6 | 100.0 | 33.500 |
| SO BV 58A00-1/2 | 068.8041.080 | 55 | 27 | 59.5 | 105.0 | 60.0 | 12.0 | 9.6 | 100.0 | 31.000 |
| SO BV 58A00-3/4 | 068.8041.120 | 55 | 34 | 67.0 | 105.0 | 64.0 | 14.0 | 12.5 | 100.0 | 45.400 |
| SO BV 58A00-1 | 068.8041.160 | 55 | 41 | 76.0 | 105.0 | 64.0 | 14.0 | 16.5 | 100.0 | 68.000 |

Spezifikationen

Betriebsdruck (PN): 55 bar
Sicherheitsfaktor: 1.5-fach
Temperatur: -40°C bis +200°C

Materialien

Ventilkörper, Kugel, Spindel: Edelstahl 1.4436 (AISI 316)
Griff: Edelstahl 1.4301 (AISI 304) mit PVC-Überzug
Dichtungen: PTFE

Dienstleistungsoptionen auf Anfrage

Spécifications

Pression de service (PN): 55 bar
Facteur de sécurité: 1.5 fois
Température: -40°C à +200°C

Matériaux

Corps, bille, pointeau: acier inoxydable 1.4436 (AISI 316)
Manette: acier inoxydable 1.4301 (AISI 304), couche en PVC
Joints: PTFE

Options de service sur demande

Specifications

Working pressure (PN): 55 bar
Safety factor: 1.5 times
Temperature: -40°C to +200°C

Materials

Valve body, ball, spindle: stainless steel 1.4436 (AISI 316)
Handle: stainless steel 1.4301 (AISI 304) with PVC cover
Seals: PTFE

Optional services on request

Sechskant Kugelhahn

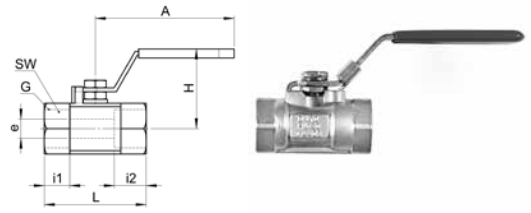
mit Innengewinde

Vanne à bille hexagonale

avec taraudage

Hexagon ball valve

with female thread

SO BV 58D00


| Type -G | Mat.-Nr. | bar | SW | L | A | H | i1 | i2 | e | kg/100 |
|-----------------------------|----------------------------------|-------------------------|----|------|-------|------|------|------|------|--------|
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | G=BSP thread (parallel) | | | | | | | | |
| SO BV 58D00-1/4 | 068.8061.040 | 90 | 28 | 58.5 | 102.0 | 46.0 | 14.0 | 15.5 | 9.2 | 32.000 |
| SO BV 58D00-3/8 | 068.8061.060 | 90 | 28 | 58.5 | 102.0 | 46.0 | 15.0 | 15.0 | 9.2 | 32.000 |
| SO BV 58D00-1/2 | 068.8061.080 | 90 | 28 | 66.0 | 97.0 | 54.0 | 20.0 | 17.5 | 9.2 | 27.500 |
| SO BV 58D00-3/4 | 068.8061.120 | 90 | 34 | 70.0 | 98.0 | 56.0 | 21.0 | 19.0 | 12.5 | 36.000 |
| SO BV 58D00-1 | 068.8061.160 | 90 | 39 | 80.0 | 104.0 | 63.0 | 24.0 | 20.0 | 15.5 | 63.000 |

Spezifikationen

Betriebsdruck (PN): 90 bar
 Sicherheitsfaktor: 1.5-fach
 Temperatur: -20°C bis +200°C

Materialien

Ventilkörper, Kugel, Spindel: Edelstahl 1.4408
 Griff: Edelstahl 1.4301 (AISI 304) mit PVC-Überzug
 Dichtungen: PTFE

Dienstleistungsoptionen auf Anfrage

Spécifications

Pression de service (PN): 90 bar
 Facteur de sécurité: 1.5 fois
 Température: -20°C à +200°C

Matériaux

Corps, bille, pointeau: acier inoxydable 1.4408
 Manette: acier inoxydable 1.4301 (AISI 304), couche en PVC
 Joints: PTFE

Options de service sur demande

Specifications

Working pressure (PN): 90 bar
 Safety factor: 1.5 times
 Temperature: -20°C to +200°C

Materials

Valve body, ball, spindle: stainless steel 1.4408
 Handle: stainless steel 1.4301 (AISI 304) with PVC cover
 Seals: PTFE

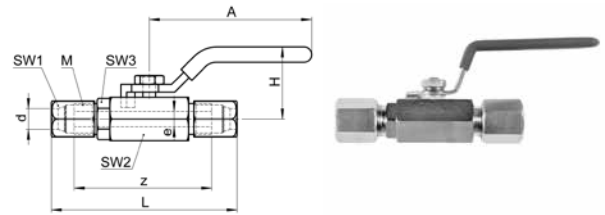
Optional services on request

Kugelhahn

Vanne à bille

Ball valve

SO BV 58D21



| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | A | H | z | e | kv | kg/100 |
|------------------|--------------|-----|--------|-----|-----|-----|------|------|------|------|-----|------|--------|
| * SO BV 58D21-6 | 068.8000.060 | 64 | 12x1.0 | 14 | 17 | 14 | 72.0 | 62.0 | 30.0 | 55.5 | 4.5 | 30.0 | 5.800 |
| SO BV 58D21-8 | 068.8000.080 | 64 | 12x1.0 | 14 | 17 | 14 | 72.0 | 62.0 | 30.0 | 54.0 | 5.0 | 30.0 | 11.200 |
| * SO BV 58D21-10 | 068.8000.100 | 64 | 16x1.0 | 19 | 21 | 17 | 85.0 | 85.0 | 40.0 | 60.0 | 7.5 | 60.0 | 10.000 |
| SO BV 58D21-12 | 068.8000.120 | 64 | 16x1.0 | 19 | 21 | 17 | 85.0 | 85.0 | 40.0 | 60.0 | 7.5 | 60.0 | 9.800 |

Kompakter Kugelhahn für die Verwendung in Heizungs-, Industrie- und Chemieanlagen.

Spezifikationen

Betriebsdruck: 64 bar
Sicherheitsfaktor: 1.5-fach
Temperatur: -40°C bis +180°C

Materialien

Ventilkörper, Kugel, Spindel: Edelstahl 1.4436 (AISI 316)
Griff: Edelstahl 1.4301 (AISI 304) mit PVC-Überzug
Dichtungen: PTFE
Rohranschlüsse: Edelstahl 1.4571 (≈ AISI 316 Ti)

Dienstleistungsoptionen auf Anfrage

Vanne à bille compact pour les applications générales dans les installations de chauffage, de l'industrie et de la chimie.

Spécifications

Pression de service: 64 bar
Facteur de sécurité: 1.5 fois
Température: -40°C à +180°C

Matériaux

Corps, bille, pointeau: acier inoxydable 1.4436 (AISI 316)
Manette: acier inoxydable 1.4301 (AISI 304) avec couche en PVC
Joints: PTFE
Raccordement: acier inoxydable 1.4571 (≈ AISI 316 Ti)

Options de service sur demande

Compact ball valve for general application in heating, industry and chemical installations.

Specifications

Working pressure: 64 bar
Safety factor: 1.5 times
Temperature: -40°C to +180°C

Materials

Valve body, ball, spindle: stainless steel 1.4436 (AISI 316)
Handle: stainless steel 1.4301 (AISI 304) with PVC cover
Seals: PTFE
Tube connections: stainless steel 1.4571 (≈ AISI 316 Ti)

Optional services on request

d=Rohrussen-ø
e=kleinste Bohrung
kv=Kenngröße für das Durchflussverhalten (l/min)
L=Mass in montiertem Zustand
*=mit reduziertem Klemmring

d=ø extérieur du tube
e=ø.min. de passage
kv=facteur d'écoulement (l/min)
L=après montage
*=avec bague de serrage de réduction

d=tube outside diameter
e=minimum bore
kv=flow factor (l/min)
L=installed length
*=with reduced compression ferrule

Kugelhahn

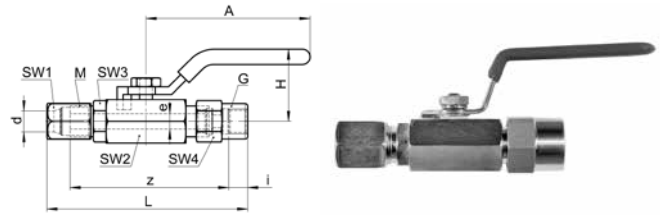
mit Übergangsmuffe SO 50030

Vanne à bille

avec adaptateur femelle SO 50030

Ball valve

with female adaptor SO 50030

SO BV 58D30


| Type -d-G | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | SW4 | L | A | H | i | z | e | kv | kg/100 |
|-----------------------------|----------|-----|---|-----|-----|-----|-----|---|---|---|---|---|---|----|--------|
| G=Rohrgewinde (zylindrisch) | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
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Kompakter Kugelhahn für die Verwendung in Heizungs-, Industrie- und Chemieanlagen.

Spezifikationen

Betriebsdruck: 64 bar
 Sicherheitsfaktor: 1.5-fach
 Temperatur: -40°C bis +180°C

Materialien

Ventilkörper, Kugel, Spindel: Edelstahl 1.4436 (AISI 316)
 Griff: Edelstahl 1.4301 (AISI 304) mit PVC-Überzug
 Dichtungen: PTFE
 Rohranschlüsse: Edelstahl 1.4571 (≈ AISI 316 Ti)

Dienstleistungsoptionen auf Anfrage

Montagehinweis: Nippel ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Vanne à bille compact pour les applications générales dans les installations de chauffage, de l'industrie et de la chimie.

Spécifications

Pression de service: 64 bar
 Facteur de sécurité: 1.5 fois
 Température: -40°C à +180°C

Matériaux

Corps, bille, pointeau: acier inoxydable 1.4436 (AISI 316)
 Manette: acier inoxydable 1.4301 (AISI 304) avec couche en PVC
 Joints: PTFE
 Raccordement: acier inoxydable 1.4571 (≈ AISI 316 Ti)

Options de service sur demande

Note d'installation: L'adaptateur femelle-mâle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Compact ball valve for general application in heating, industry and chemical installations.

Specifications

Working pressure: 64 bar
 Safety factor: 1.5 times
 Temperature: -40°C to +180°C

Materials

Valve body, ball, spindle: stainless steel 1.4436 (AISI 316)
 Handle: stainless steel 1.4301 (AISI 304) with PVC cover
 Seals: PTFE
 Tube connections: stainless steel 1.4571 (≈ AISI 316 Ti)

Optional services on request

Assembly information: Male adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

d=Rohrassen-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 *=mit reduziertem Klemmring

d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 *=avec bague de serrage de réduction

d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 *=with reduced compression ferrule

Kugelhahn

mit Übergangsnippel SO 50040

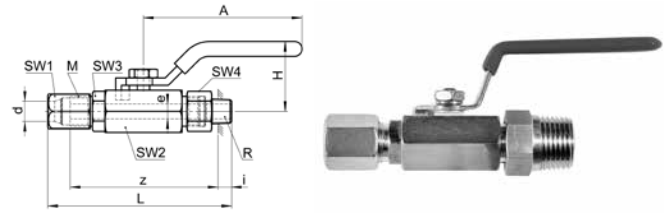
Vanne à bille

avec adaptateur mâle SO 50040

Ball valve

with male adaptor SO 50040

SO BV 58D40



| Type -d -R | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | SW4 | L | A | H | z | e | kv | kg/100 |
|-------------------------|--------------|-----|--------|------------------------------|-----|-----|-----|------|------------------------|------|------|-----|------|--------|
| R=Rohrgewinde (kegelig) | | | | R=Filetage-gaz BSP (conique) | | | | | R=BSP thread (tapered) | | | | | |
| * SO BV 58D40-6-1/8 | 068.8401.100 | 64 | 12x1.0 | 14 | 17 | 14 | 14 | 73.0 | 62.0 | 30.0 | 58.0 | 4.5 | 30.0 | 5.600 |
| * SO BV 58D40-6-1/4 | 068.8401.110 | 64 | 12x1.0 | 14 | 17 | 14 | 14 | 77.0 | 62.0 | 30.0 | 59.0 | 4.5 | 30.0 | 6.000 |
| SO BV 58D40-8-1/8 | 068.8401.160 | 64 | 12x1.0 | 14 | 17 | 14 | 14 | 73.0 | 62.0 | 30.0 | 57.5 | 5.0 | 30.0 | 5.500 |
| SO BV 58D40-8-1/4 | 068.8401.170 | 64 | 12x1.0 | 14 | 17 | 14 | 14 | 77.5 | 62.0 | 30.0 | 58.5 | 5.0 | 30.0 | 6.000 |
| * SO BV 58D40-10-1/4 | 068.8401.270 | 64 | 16x1.0 | 19 | 21 | 17 | 19 | 87.0 | 85.0 | 40.0 | 64.5 | 7.5 | 60.0 | 9.600 |
| * SO BV 58D40-10-3/8 | 068.8401.280 | 64 | 16x1.0 | 19 | 21 | 17 | 19 | 85.5 | 85.0 | 40.0 | 63.0 | 7.5 | 60.0 | 9.800 |
| * SO BV 58D40-10-1/2 | 068.8401.285 | 64 | 16x1.0 | 19 | 21 | 17 | 22 | 89.5 | 85.0 | 40.0 | 64.0 | 7.5 | 60.0 | 12.500 |
| SO BV 58D40-12-1/4 | 068.8401.380 | 64 | 16x1.0 | 19 | 21 | 17 | 19 | 87.0 | 85.0 | 40.0 | 64.5 | 7.5 | 60.0 | 9.600 |
| SO BV 58D40-12-3/8 | 068.8401.390 | 64 | 16x1.0 | 19 | 21 | 17 | 19 | 87.5 | 85.0 | 40.0 | 65.0 | 7.5 | 60.0 | 9.800 |
| SO BV 58D40-12-1/2 | 068.8401.400 | 64 | 16x1.0 | 19 | 21 | 17 | 22 | 89.5 | 85.0 | 40.0 | 64.0 | 7.5 | 60.0 | 12.500 |

Kompakter Kugelhahn für die Verwendung in Heizungs-, Industrie- und Chemieanlagen.

Spezifikationen

Betriebsdruck: 64 bar
Sicherheitsfaktor: 1.5-fach
Temperatur: -40°C bis +180°C

Materialien

Ventilkörper, Kugel, Spindel: Edelstahl 1.4436 (AISI 316)
Griff: Edelstahl 1.4301 (AISI 304) mit PVC-Überzug
Dichtungen: PTFE
Rohranschlüsse: Edelstahl 1.4571 (≈ AISI 316 Ti)

Dienstleistungsoptionen auf Anfrage

Montagehinweis: Nippel ist handfest montiert. Bei Endmontage mit 1/4 Umdrehung anziehen.

Wir empfehlen eine zusätzliche Schmierung auf der Planfläche.

Dienstleistungsoptionen auf Anfrage.

Vanne à bille compact pour les applications générales dans les installations de chauffage, de l'industrie et de la chimie.

Spécifications

Pression de service: 64 bar
Facteur de sécurité: 1.5 fois
Température: -40°C à +180°C

Matériaux

Corps, bille, pointeau: acier inoxydable 1.4436 (AISI 316)
Manette: acier inoxydable 1.4301 (AISI 304) avec couche en PVC
Joints: PTFE
Raccordement: acier inoxydable 1.4571 (≈ AISI 316 Ti)

Options de service sur demande

Note d'installation: L'adaptateur femelle-mâle est monté serré à la main. Pour le montage final, serrer avec 1/4 de tour.

Nous recommandons une lubrification supplémentaire sur la surface plane.

Options de service sur demande.

Compact ball valve for general application in heating, industry and chemical installations.

Specifications

Working pressure: 64 bar
Safety factor: 1.5 times
Temperature: -40°C to +180°C

Materials

Valve body, ball, spindle: stainless steel 1.4436 (AISI 316)
Handle: stainless steel 1.4301 (AISI 304) with PVC cover
Seals: PTFE
Tube connections: stainless steel 1.4571 (≈ AISI 316 Ti)

Optional services on request

Assembly information: Male adaptor is mounted finger-tight. For final assembly, tighten with 1/4 turn.

We recommend additional lubrication on the plane surface.

Optional services on request.

d=Rohrassens-ø
e=kleinste Bohrung
kv=Kenngröße für das Durchflussverhalten (l/min)
L=Mass in montiertem Zustand
*=mit reduziertem Klemmring

d=ø extérieur du tube
e=ø-min. de passage
kv=facteur d'écoulement (l/min)
L=après montage
*=avec bague de serrage de réduction

d=tube outside diameter
e=minimum bore
kv=flow factor (l/min)
L=installed length
*=with reduced compression ferrule

Nadelventil

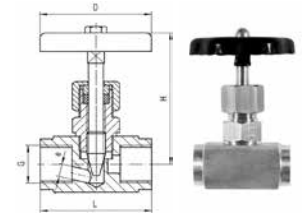
mit Innengewinde

Vanne à poiteau

avec taraudage

Needle valve

with female thread

SO NV 51B00


| Type -G | Mat.-Nr. | bar | L | D | H | e | kv | kg/100 |
|-----------------------------|----------------------------------|-------------------------|-------|------|-------|------|------|---------|
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | G=BSP thread (parallel) | | | | | | |
| SO NV 51B00- $\frac{3}{8}$ | 068.1010.060 | 200 | 55.0 | 60.0 | 93.0 | 6.0 | 10.0 | 32.000 |
| SO NV 51B00- $\frac{1}{2}$ | 068.1010.080 | 200 | 60.0 | 60.0 | 96.0 | 7.0 | 12.0 | 41.500 |
| SO NV 51B00- $\frac{3}{4}$ | 068.1010.120 | 200 | 75.0 | 70.0 | 117.0 | 8.0 | 29.0 | 75.300 |
| SO NV 51B00-1 | 068.1010.160 | 200 | 100.0 | 90.0 | 138.0 | 12.0 | 32.0 | 154.000 |

Spezifikationen

Betriebsdruck: 200 bar
 Sicherheitsfaktor: 1.5-fach
 Temperatur: -40°C bis +200°C

Materialien

Ventilkörper, Spindel: Edelstahl 1.4571 (\approx AISI 316 Ti)
 Handrad: Stahlblech lackiert
 Stopfbuchse: PTFE

Dienstleistungsoptionen auf Anfrage

Spécifications

Pression de service: 200 bar
 Facteur de sécurité: 1.5 fois
 Température: -40°C à +200°C

Matériaux

Corps, poiteau: acier inoxydable 1.4571 (\approx AISI 316 Ti)
 Volant: acier laqué
 Presse-étoupe: PTFE

Options de service sur demande

Specifications

Working pressure: 200 bar
 Safety factor: 1.5 times
 Temperature: -40°C to +200°C

Materials

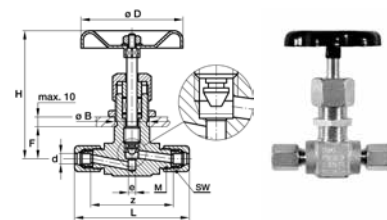
Valve body, spindle: stainless steel 1.4571 (\approx AISI 316 Ti)
 Handwheel: lacquered sheet metal
 Seals: PTFE

Optional services on request

Nadelventil

Vanne à pointeau

Needle valve



SO NV 51B21

| Type -d | Mat.-Nr. | bar | M | SW | L | B | D | F | H | z | e | kv | kg/100 |
|---------------------|----------------------|------------------|--------|----|------|------|------|------|------|------|-----|-----|--------|
| Für metrische Rohre | Pour tubes métriques | For metric tubes | | | | | | | | | | | |
| * SO NV 51B21-4 | 068.1500.040 | 160 | 10x1.0 | 12 | 72.0 | 22.5 | 70.0 | 19.0 | 88.0 | 57.0 | 4.0 | 3.5 | 42.000 |
| * SO NV 51B21-5 | 068.1500.050 | 160 | 10x1.0 | 12 | 72.0 | 22.5 | 70.0 | 19.0 | 88.0 | 57.0 | 4.0 | 3.5 | 42.000 |
| SO NV 51B21-6 | 068.1500.060 | 160 | 10x1.0 | 12 | 72.0 | 22.5 | 70.0 | 19.0 | 88.0 | 57.0 | 4.0 | 4.0 | 42.000 |
| SO NV 51B21-8 | 068.1500.080 | 160 | 12x1.0 | 14 | 76.0 | 22.5 | 70.0 | 19.0 | 88.0 | 60.0 | 6.0 | 7.1 | 44.000 |
| SO NV 51B21-10 | 068.1500.100 | 160 | 14x1.0 | 17 | 80.0 | 22.5 | 70.0 | 19.0 | 88.0 | 60.0 | 6.0 | 7.5 | 46.000 |
| SO NV 51B21-12 | 068.1500.120 | 160 | 16x1.0 | 19 | 82.0 | 22.5 | 70.0 | 19.0 | 88.0 | 57.0 | 6.0 | 8.5 | 47.000 |
| SO NV 51B21-15 | 068.1500.150 | 100 | 20x1.5 | 24 | 89.0 | 22.5 | 70.0 | 19.0 | 88.0 | 62.0 | 6.0 | 8.5 | 50.000 |
| Für Zollrohre | Pour tubes pouces | For inch tubes | | | | | | | | | | | |
| SO NV 51B21-6,35 | 068.1500.063 | 160 | 10x1.0 | 12 | 72.0 | 22.5 | 70.0 | 19.0 | 88.0 | 57.0 | 4.0 | 4.0 | 42.000 |
| SO NV 51B21-9,52 | 068.1500.095 | 160 | 14x1.0 | 17 | 80.0 | 22.5 | 70.0 | 19.0 | 88.0 | 60.0 | 6.0 | 7.5 | 46.000 |

Umrechnung für "d" bei Zollrohren:
 6,35 = 1/4
 9,52 = 3/8

Conversion de "d" pour tubes en pouces:
 6,35 = 1/4
 9,52 = 3/8

Conversion for "d" for inch tubes:
 6,35 = 1/4
 9,52 = 3/8

Spezifikationen

Betriebsdruck: 160 bar
 Sicherheitsfaktor: 1.5-fach
 Temperatur: -40°C bis +200°C

Spécifications

Pression de service: 160 bar
 Facteur de sécurité: 1.5 fois
 Température: -40°C à +200°C

Specifications

Working pressure: 160 bar
 Safety factor: 1.5 times
 Temperature: -40°C to +200°C

Materialien

Ventilkörper, Spindel, Mutter: Edelstahl 1.4571
 (≈ AISI 316 Ti)
 Kontermutter: Edelstahl 1.4301 (AISI 304)
 Handrad: Stahlblech lackiert
 Stopfbuchse: PTFE

Matériaux

Corps, pointeau, écrou: acier inoxydable
 1.4571 (≈ AISI 316 Ti)
 Contre-écrou: acier inoxydable 1.4301 (AISI
 304)
 Volant: acier laqué
 Presse-étoupe: PTFE

Materials

Valve body, spindle, nut: stainless steel 1.4571
 (≈ AISI 316 Ti)
 Counter-nut: stainless steel 1.4301 (AISI 304)
 Handwheel: lacquered sheet metal
 Seals: PTFE

Dienstleistungsoptionen auf Anfrage

Options de service sur demande

Optional services on request

d=Rohraussen-ø
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand
 H=Ventil geöffnet
 *=mit reduziertem Klemmring

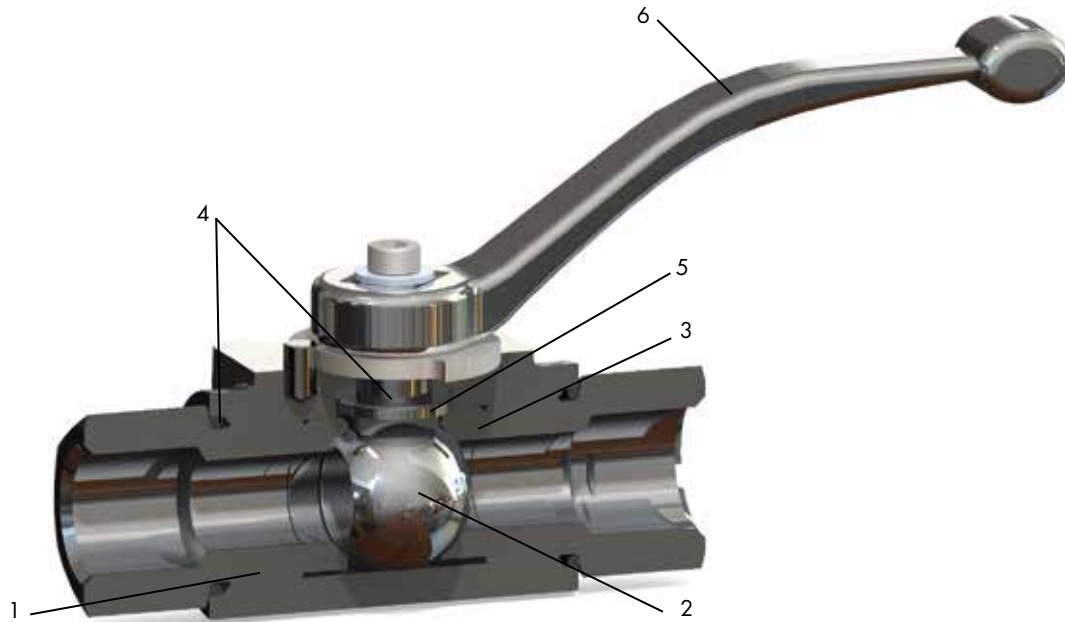
d=ø extérieur du tube
 e=ø-min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage
 H=vanne ouvert
 *=avec bague de serrage de réduction

d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length
 H=valve opened
 *=with reduced compression ferrule

2-Weg Hochdruckkugelhahn

Vanne à bille droite pour haute pression

2-way high pressure ball valve

HKM-G
SOL BV 58A21
12


| Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material |
|-------------------|--|----------------------------------|-------------------|---|----------------------------------|-------------------|--|--|
| 1 | Ventilkörper Corps de vanne Valve body | 1.4571 | 3* | Dichtschale Enveloppe d'étanchéité Sealing bush | POM | 5 | Spindelflachdichtung Joint plat de pointeau Stem sealing | PTFE |
| 2 | Kugel Bille Ball | 1.4571 | 4 | Dichtung Joint Seal | FKM | 6 | Hebel Levier Handle | Druckguss Fonte inj. Die casting |

Spezifikationen

Betriebsdruck (PN): 400 bar
 Temperatur: -40°C bis +180°C
 Sicherheitsfaktor: 1.1-fach

Merkmale

- Funktion: Absperrhahn
- Einsatz: durch die Verwendung von rost- und säurebeständigen Edelstählen grösste Einsatzmöglichkeit in allen Industrien
- Besonderes: durch Vollstromquerschnitte keine Druckverluste; leichte Schaltbarkeit auch unter hohem Druck; durch auswechselbare Dichtungen lange Lebensdauer

* Optionen

- Nr. 3 - Dichtschale: PEEK

Spécifications

Pression de service (PN): 400 bar
 Température: -40°C à +180°C
 Facteur de sécurité: 1.1 fois

Caractéristiques

- Fonction : vanne d'arrêt
- Utilisation: grâce à l'emploi d'aciers inoxydables résistants à la rouille et aux acides conçu pour un maximum d'applications dans tous les secteurs
- Particularité: pas de pertes de pression grâce au passage intégral ; manœuvre facile même sous pression; longue durée de vie du produit grâce à la possibilité de changer les joints

* Options

- No. 3 - Enveloppe d'étanchéité: PEEK

Specifications

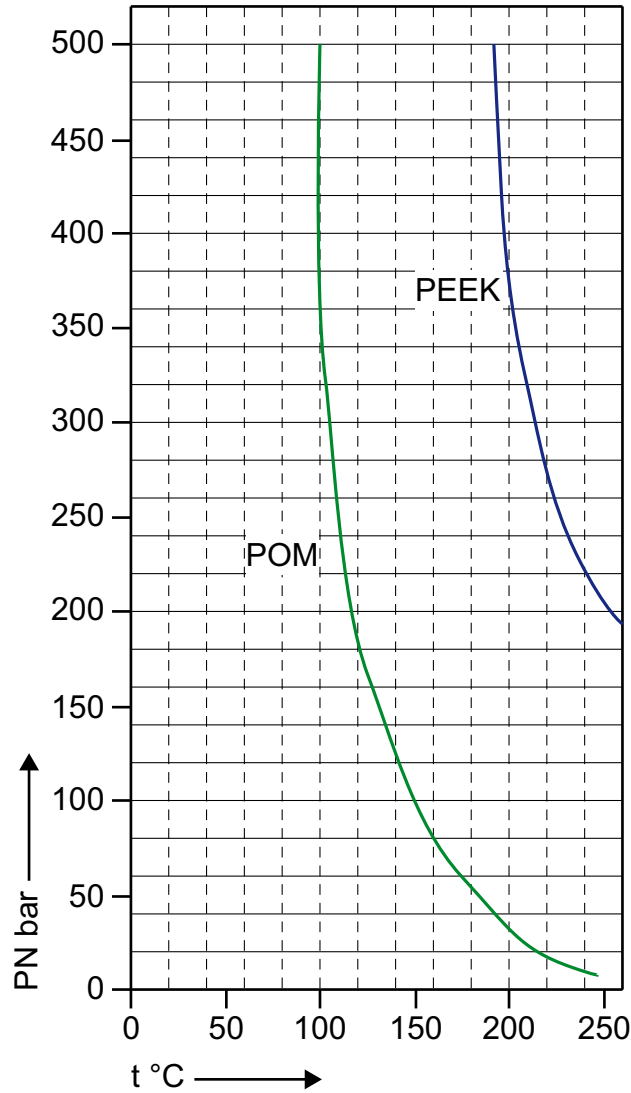
Working pressure (PN): 400 bar
 Temperature: -40°C to +180°C
 Safety factor: 1.1 times

Characteristics

- Function: shut-off valve
- Uses: large range of industrial applications due to use of corrosion and acid-resistant stainless steels
- Special features: no pressure loss due to full-flow cross-sections; easy switching even under high pressure; long service life thanks to replaceable seals

* Options

- No. 3 - Sealing bush: PEEK


Achtung

Hochdruckkugelhähne, die mit Dichtschalen aus PEEK geliefert werden sollen, müssen bei der Bestellung klar mit "PEEK" nach der Materialnummer gekennzeichnet werden.

Attention

Robinets, qui doivent être fournis avec douille d'étanchéité en PEEK sont à référencer dans la commande avec la mention "PEEK" après le numéro de référence.

Attention

High pressure ball valves which are to be supplied with sealing bush in PEEK must be clearly identifiable in the order with the extension "PEEK" after the material number.

Hochdruck-Kugelhähne

beidseitig Innengewinde nach ISO 228/1

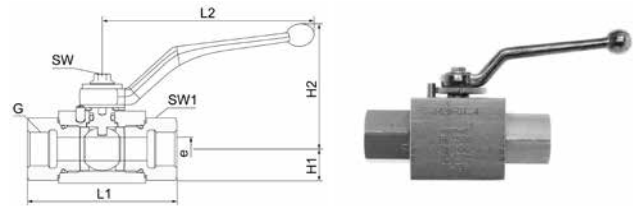
Robinetts à boisseaux sphériques haute pression

filetage femelle de chaque côté selon la norme ISO 228/1

High pressure ball valves

double-sided female thread to ISO 228/1

HKM-G



| Type -G | Mat.-Nr. | PN | G | SW | SW1 | L1 | L2 | H1 | H2 | e | g/Stk |
|-----------------------------|----------------------------------|-------------------------|-----|----|-----|-------|-------|------|------|------|-------|
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | G=BSP thread (parallél) | | | | | | | | | |
| HKM-G 1.8 | 808.8100.020 | 500 | 1/8 | 9 | 22 | 69.0 | 115.0 | 13.5 | 71.5 | 5.0 | 410 |
| HKM-G 1.4 | 808.8100.040 | 500 | 1/4 | 9 | 22 | 69.0 | 115.0 | 13.5 | 71.5 | 6.0 | 400 |
| HKM-G 3.8 | 808.8100.060 | 500 | 3/8 | 9 | 27 | 72.0 | 115.0 | 17.5 | 72.5 | 10.0 | 540 |
| HKM-G 1.2 | 808.8100.080 | 500 | 1/2 | 9 | 30 | 83.0 | 115.0 | 19.0 | 73.0 | 13.0 | 650 |
| HKM-G 3.4 | 808.8100.120 | 350 | 3/4 | 14 | 41 | 95.0 | 160.0 | 24.5 | 86.5 | 20.0 | 1500 |
| HKM-G 1.1 | 808.8100.160 | 350 | 1 | 14 | 50 | 113.0 | 160.0 | 29.5 | 89.5 | 25.0 | 2200 |

Dienstleistungsoptionen auf Anfrage

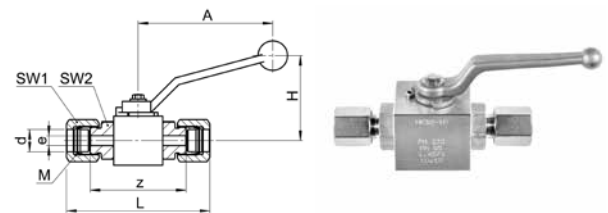
Options de service sur demande

Optional services on request

Hochdruck-Kugelhahn SOL

Vanne à bille SOL haute pression

High pressure ball valve SOL



SOL BV 58A21

| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | L | A | H | z | e | kv | kg/100 |
|-----------------|--------------|-----|--------|-----|-----|-------|-------|------|------|------|------|--------|
| SOL BV 58A21-6 | 088.8102.060 | 400 | 10x1.0 | 14 | 22 | 94.5 | 115.0 | 82.0 | 74.5 | 4.5 | 30.0 | 43.300 |
| SOL BV 58A21-8 | 088.8102.080 | 330 | 12x1.0 | 17 | 22 | 97.5 | 115.0 | 82.0 | 76.5 | 6.0 | 30.0 | 45.000 |
| SOL BV 58A21-10 | 088.8102.100 | 330 | 14x1.0 | 19 | 22 | 101.5 | 115.0 | 82.0 | 76.5 | 6.0 | 60.0 | 46.500 |
| SOL BV 58A21-12 | 088.8102.120 | 330 | 16x1.0 | 22 | 22 | 103.5 | 115.0 | 82.0 | 76.5 | 6.0 | 60.0 | 49.200 |
| SOL BV 58A21-15 | 088.8102.150 | 250 | 20x1.5 | 27 | 27 | 115.5 | 115.0 | 86.0 | 85.5 | 10.0 | 60.0 | 69.700 |
| SOL BV 58A21-16 | 088.8102.160 | 200 | 24x1.5 | 30 | 27 | 122.8 | 115.0 | 86.0 | 85.5 | 10.0 | 60.0 | 74.800 |
| SOL BV 58A21-18 | 088.8102.180 | 200 | 24x1.5 | 30 | 27 | 120.0 | 115.0 | 86.0 | 85.8 | 10.0 | 60.0 | 73.000 |

Dienstleistungsoptionen auf Anfrage

Options de service sur demande

Optional services on request

d=Rohrassen- \varnothing
 e=kleinste Bohrung
 kv=Kenngröße für das Durchflussverhalten (l/min)
 L=Mass in montiertem Zustand

d= \varnothing extérieur du tube
 e= \varnothing -min. de passage
 kv=facteur d'écoulement (l/min)
 L=après montage

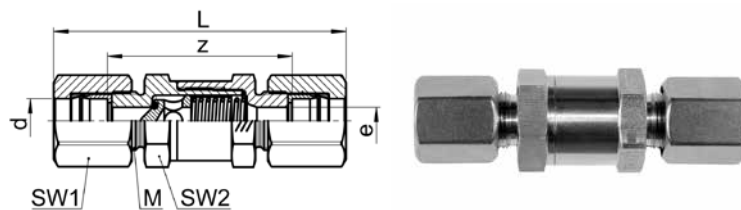
d=tube outside diameter
 e=minimum bore
 kv=flow factor (l/min)
 L=installed length

Kegelrückschlagventil

Clapet anti-retour à siège conique

Taper seat non-return valve

SOL CV 53B21



| Type -d | Mat.-Nr. | bar | M | SW1 | SW2 | L | z | e | kg/100 |
|---------------------|----------------------|-----|--------|------------------|-----|------|------|------|--------|
| Für metrische Rohre | Pour tubes métriques | | | For metric tubes | | | | | |
| SOL CV 53B21-6 | 088.3010.060 | 400 | 10x1.0 | 14 | 17 | 58.5 | 38.5 | 3.8 | 6.900 |
| SOL CV 53B21-8 | 088.3010.080 | 330 | 12x1.0 | 17 | 19 | 64.5 | 44.0 | 5.8 | 10.000 |
| SOL CV 53B21-10 | 088.3010.100 | 330 | 14x1.0 | 19 | 22 | 76.0 | 51.0 | 7.5 | 15.000 |
| SOL CV 53B21-12 | 088.3010.120 | 330 | 16x1.0 | 22 | 22 | 76.0 | 51.0 | 7.5 | 15.000 |
| SOL CV 53B21-15 | 088.3010.150 | 250 | 20x1.5 | 27 | 30 | 89.0 | 58.5 | 11.0 | 32.000 |

| | | | | | | | | | |
|-------------------|-------------------|-----|--------|----------------|----|------|------|------|--------|
| Für Zollrohre | Pour tubes pouces | | | For inch tubes | | | | | |
| SOL CV 53B21-6,35 | 088.3010.063 | 400 | 10x1.0 | 14 | 17 | 58.5 | 38.5 | 3.8 | 6.900 |
| SOL CV 53B21-9,52 | 088.3010.095 | 330 | 14x1.0 | 19 | 22 | 64.5 | 51.0 | 7.5 | 15.000 |
| SOL CV 53B21-12,7 | 088.3010.127 | 250 | 20x1.5 | 27 | 30 | 89.0 | 58.5 | 11.0 | 31.000 |

Umrechnung für "d" bei Zollrohren:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion de "d" pour tubes en pouces:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Conversion for "d" for inch tubes:

6,35 = 1/4

9,52 = 3/8

12,7 = 1/2

Technische Informationen und Diagramme siehe SO CV 53B21

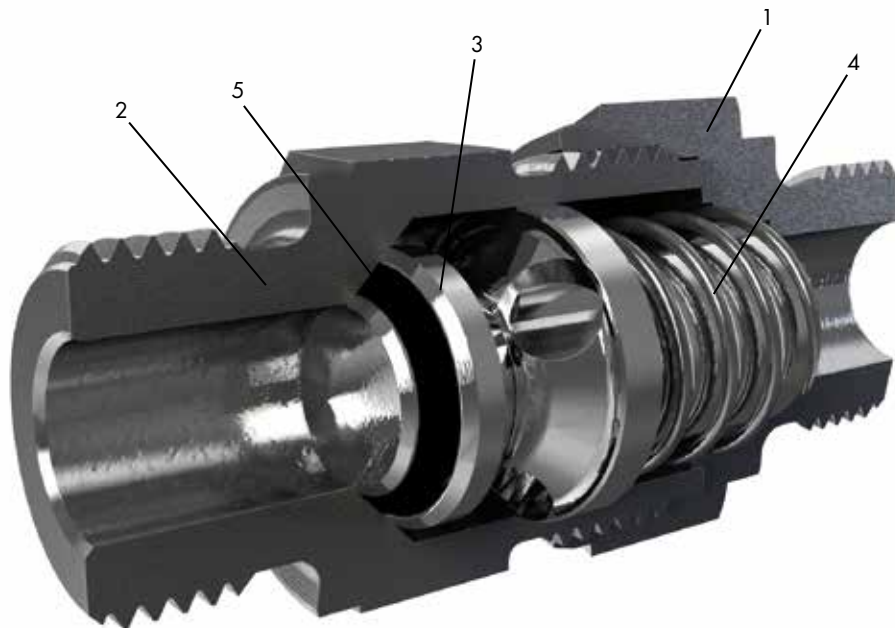
Informations techniques et diagrammes voir SO CV 53B21

Technical information and diagrams see SO CV 53B21

Kegelrückschlagventil
Clapet anti-retour à siège conique
Taper seat non-return valve

SO 6611
SO 6613

12



| Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material | Nr. No. No. | Bezeichnung Désignation Description | Material Matériau Material |
|-------------------|--|----------------------------------|-------------------|--|----------------------------------|-------------------|---|----------------------------------|
| 1 | Ventilmutter Écrou du clapet Valve nut | 1.0718 | 3 | Ventilkegel Cône du clapet Valve cone | 1.0718 | 5* | Dichtung Joint Seal | NBR |
| 2 | Ventilkegelführung Guidage cône du clapet Valve cone guide | 1.0718 | 4* | Druckfeder Ressort de compression Compression spring | 1.1200 DH | | | |

Spezifikationen

Betriebsdruck (PN): 160 bis 250 bar
 Temperatur: -20°C bis +80°C
 Öffnungsdruck: 1 bar ± 20 %
 Sicherheitsfaktor: 1.5-fach

Merkmale

- Funktion: Rückflussverhinderer

*** Optionen**

- Nr. 4 - Druckfeder: optionale Öffnungsdrücke auf Anfrage
- Nr. 5 - Dichtung: EPDM, FKM

Spécifications

Pression de service (PN): 160 à 250 bar
 Température: -20°C à +80°C
 Pression d'ouverture: 1 bar ± 20 %
 Facteur de sécurité: 1.5 fois

Caractéristiques

- Fonction: clapet anti-retour

*** Options**

- No. 4 - Ressort de compression: autre pression d'ouverture sur demande
- No. 5 - Joint: EPDM, FKM

Specifications

Working pressure (PN): 160 to 250 bar
 Temperature: -20°C to +80°C
 Opening pressure: 1 bar ± 20 %
 Safety factor: 1.5 times

Characteristics

- Function: check valve

*** Options**

- No. 4 - Compression spring: other opening pressures on request
- No. 5 - Seal: EPDM, FKM

Durchflussdiagramm

Der Druckabfall nimmt mit zunehmendem Durchfluss überproportional zu.

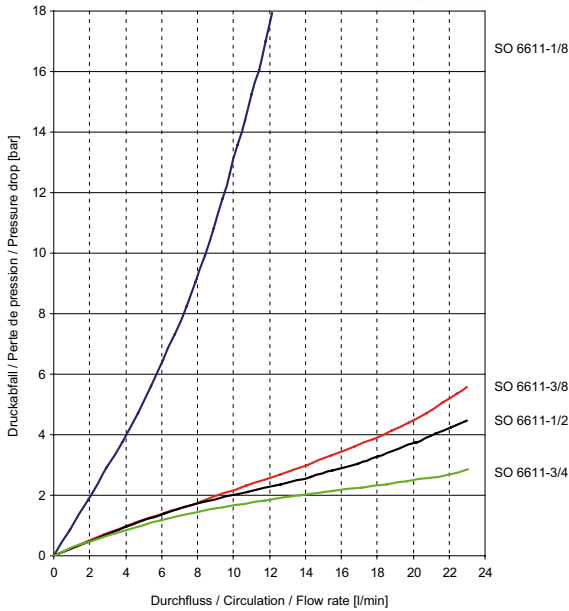
Courbe de débit

La perte de pression augmente disproportionnellement avec plus de débit.

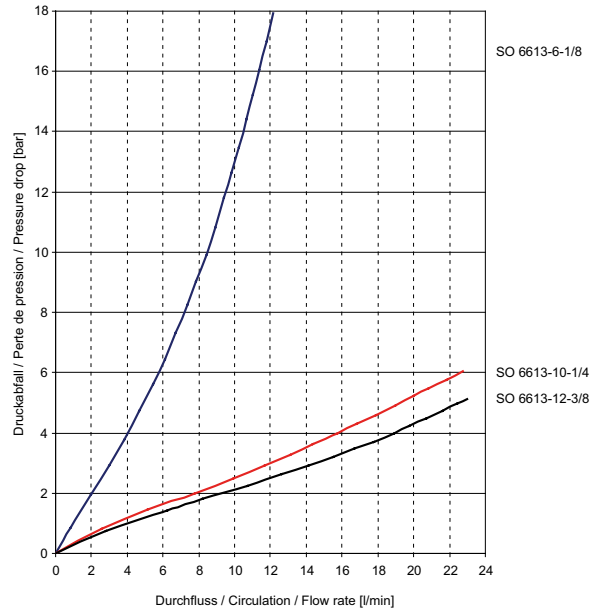
Flow rate

The pressure drop increases disproportionately with increasing flow rate.

SO 6611



SO 6613



Öffnungsdruckdiagramm

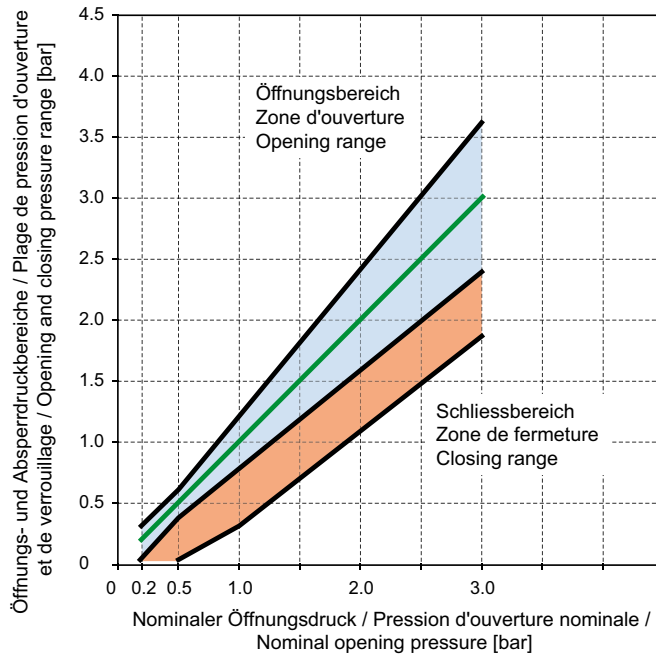
Der Öffnungsdruck bewegt sich im blau skizzierten Bereich. Das Ventil schliesst im rot skizzierten Bereich.

Courbe de pression d'ouverture

La pression d'ouverture se trouve dans la zone indiquée en bleu. La vanne se ferme dans la zone indiquée en rouge.

Opening pressure diagram

The opening pressure ranges within the blue section. The valve closes within the red section.



Sonderausführungen

siehe Kapitelübersicht

Exécutions en option

voir aperçu du chapitre

Optional services

see chapter overview

Kegelrückschlagventil

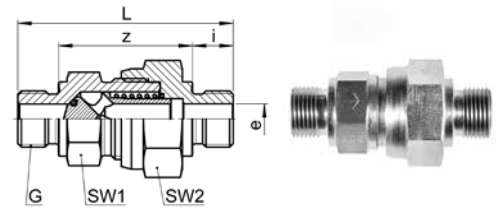
beidseitig mit Einschraubgewinde

Clapet anti-retour à siège conique

avec filetage des deux côtés

Taper seat non-return valve

with male adaptor thread at both ends



SO 6611

| Type -G | Mat.-Nr. | bar | SW1 | SW2 | L | i | z | e | kg/100 |
|-----------------------------|----------------------------------|-------------------------|-----|-----|------|------|------|------|--------|
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | G=BSP thread (parallel) | | | | | | | |
| SO 6611-1/8 | 228.6110.020 | 250 | 14 | 17 | 41.0 | 8.0 | 25.0 | 3.8 | 3.700 |
| SO 6611-3/8 | 228.6110.060 | 200 | 24 | 30 | 64.0 | 12.0 | 40.0 | 8.8 | 15.800 |
| SO 6611-1/2 | 228.6110.080 | 160 | 27 | 30 | 69.0 | 14.0 | 41.0 | 11.0 | 18.500 |
| SO 6611-3/4 | 228.6110.120 | 160 | 41 | 46 | 81.0 | 16.0 | 49.0 | 16.0 | 45.000 |

Kegelrückschlagventil

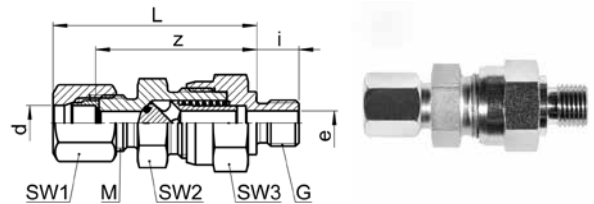
mit Einschraubgewinde und Rohranschluss

Clapet anti-retour à siège conique

avec filetage et connexion pour tube

Taper seat non-return valve

with male adaptor thread and tube connection



SO 6613

| Type -d-G | Mat.-Nr. | bar | M | SW1 | SW2 | SW3 | L | i | z | e | kg/100 |
|-----------------------------|----------------------------------|-------------------------|--------|-----|-----|-----|------|------|------|-----|--------|
| G=Rohrgewinde (zylindrisch) | G=Filetage-gaz BSP (cylindrique) | G=BSP thread (parallel) | | | | | | | | | |
| SO 6613-6-1/8 | 228.6130.100 | 250 | 12x1.5 | 14 | 14 | 17 | 44.0 | 8.0 | 36.0 | 3.8 | 5.000 |
| SO 6613-10-1/4 | 228.6130.270 | 200 | 16x1.5 | 19 | 22 | 24 | 56.5 | 12.0 | 46.0 | 6.8 | 13.100 |
| SO 6613-12-3/8 | 228.6130.390 | 200 | 18x1.5 | 22 | 24 | 30 | 60.0 | 12.0 | 48.5 | 8.8 | 20.200 |

d=Rohraussen- \emptyset
e= kleinste Bohrung
L= Mass in montiertem Zustand

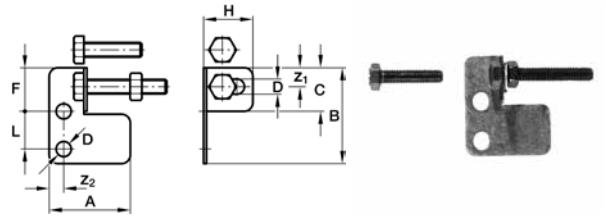
d= \emptyset extérieur du tube
e= \emptyset -min. de passage
L=après montage

d=tube outside diameter
e=minimum bore
L=installed length

Anschraubfuss

Support de fixation

Flange mount


SO 09900

| Type | Mat.-Nr. | L | A | B | C | D | F | H | z2 | z1 | kg/100 |
|----------|--------------|------|------|------|------|-----|------|------|-----|-----|--------|
| SO 09900 | 028.2750.000 | 13.0 | 28.0 | 33.0 | 15.0 | 5.2 | 15.0 | 17.0 | 5.0 | 6.5 | 1.660 |

Werkstoff:

- Fuss: Inox 1.4571

- Schraube/Mutter: Stahl 8.8 schwarz

Matériau:

Support: inox 1.4571

Vis/écrou: acier 8.8 noir

Material:

Mount: inox 1.4571

Screw/nut: steel 8.8 black

Für die Wandmontage sämtlicher Grössen der Ventiltypen SO NV 41A21 / SO NV 41C21 und SO NV 01A21 / SO NV 01C21

Pour le montage mural de tous les dimensions des vannes SO NV 41A21 / SO NV 41C21 et SO NV 01A21 / SO NV 01C21

For wallmounting of all valves, types SO NV 41A21 / SO NV 41C21 and SO NV 01A21 / SO NV 01C21

Handrad

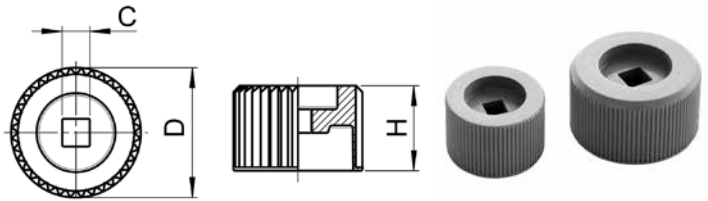
für Regulierventile Messing M und G, Polyamid

Volant

pour vannes de réglage laiton M e G, polyamide

Handwheel

for regulating valves brass M and G, polyamide


SO 09950

| Type | Mat.-Nr. | D | H | C | kg/100 |
|--------------|--------------|------|------|-----|--------|
| SO 09950 D26 | 025.1220.080 | 26.0 | 17.0 | 5.5 | 0.600 |
| SO 09950 D36 | 025.1220.150 | 36.0 | 19.5 | 7.0 | 1.300 |

Ventilschilder (Satz)

Plaques signalétiques (set)

Valve labels (set)

VSD SO NV



| Type | Mat.-Nr. | Inhalt / Cont. |
|---|--------------|----------------|
| VSD NV 01A/31A/51A-6/8 (RV) colored | 065.1000.001 | 2 Stk./pc. |
| VSD NV 51A-10/12/15 (RV) colored | 065.1000.002 | 2 Stk./pc. |
| VSD NV 01C/51C-6/8 (FRV) colored | 065.1000.010 | 2 Stk./pc. |
| VSD NV 51C-10/12/15 (FRV) colored | 065.1000.011 | 2 Stk./pc. |
| VSD NV 01A+C/31A/51A+C-6/8 (RV/FRV) black | 065.1001.080 | 10 Stk./pc. |
| VSD NV 51A+C-10/12/15 (RV/FRV) black | 065.1001.150 | 10 Stk./pc. |
| VSD SO NV41A Set RV | 255.1001.001 | 3 Stk./pc. |
| VSD SO NV41C Set FRV | 255.1001.002 | 3 Stk./pc. |
| VSD SO NV41A Set grey/RV | 255.1101.122 | 10 Stk./pc. |
| VSD SO NV41C Set grey/FRV | 255.1101.222 | 10 Stk./pc. |

065.1000.001:

für Regulierventil (RV) MsG/PA/Inox, Grösse 6-8 grün/gelb, blau/rot eloxiert (VPE = je 1 Stk.)

065.1000.002:

für Regulierventil (RV) Inox, Grösse 10-15 grün/gelb, blau/rot eloxiert (VPE = je 1 Stk.)

065.1000.010:

für Feinregulierventil (FRV) MsG/PA/Inox, Grösse 6-8 grün/gelb, blau/rot eloxiert (VPE = je 1 Stk.)

065.1000.011:

für Feinregulierventil (FRV) Inox, Grösse 10-15 grün/gelb, blau/rot eloxiert (VPE = je 1 Stk.)

065.1001.080:

für Regulier-/Feinregulierventil (RV/FRV) MsG/PA/Inox Grösse 6-8 schwarz eloxiert (VPE = 10 Stk.)

065.1001.150:

für Regulier-/Feinregulierventil (RV/FRV) Inox Grösse 10-15 schwarz eloxiert (VPE = 10 Stk.)

255.1001.001:

für Regulierventil (RV) MsM/G, rot/blau/grün (VPE = je 1 Stk.)

255.1001.002:

für Feinregulierventil (FRV) MsM/G, rot/blau/grün (VPE = je 1 Stk.)

255.1101.122:

für Regulierventil (RV) MsM/G, grau (VPE = 10 Stk.)

255.1101.222:

für Feinregulierventil (FRV) MsM/G, grau (VPE = 10 Stk.)

065.1000.001:

pour vanne de réglage (RV) laiton G/PA/Inox, tailles 6-8 vert/jaune, bleu/rouge anodisé (UE = 1 pc. chacun)

065.1000.002:

pour vanne de réglage (RV) inox, tailles 10-15 vert/jaune, bleu/rouge anodisé (UE = 1 pc. chacun)

065.1000.010:

pour vanne de réglage fin (FRV) laiton G/PA/Inox, tailles 6-8 vert/jaune, bleu/rouge anodisé (UE = 1 pc. chacun)

065.1000.011:

pour vanne de réglage fin (FRV) inox, tailles 10-15 vert/jaune, bleu/rouge anodisé (UE = 1 pc. chacun)

065.1001.080:

pour vanne de réglage/régl. fin (RV/FRV) laiton G/PA/Inox tailles 6-8 noir anodisé (UE = 10 pcs.)

065.1001.150:

pour vanne de réglage/régl. fin (RV/FRV) inox tailles 10-15 noir anodisé (UE = 10 pcs.)

255.1001.001:

pour vanne de réglage (RV) laiton M/G, rouge/bleu/vert (UE = 1 pc. chacun)

255.1001.002:

pour vanne de réglage fin (FRV) laiton M/G, rouge/bleu/vert (UE = 1 pc. chacun)

255.1101.122:

pour vanne de réglage (RV) laiton M/G, gris (UE = 10 pcs.)

255.1101.222:

pour vanne de réglage fin (FRV) laiton M/G, gris (UE = 10 pcs.)

065.1000.001:

for regulating valve (RV) brass G/PA/Inox, sizes 6-8 green/yellow, blue/red anodized (PU = 1 pc. each)

065.1000.002:

for regulating valve (RV) Inox, sizes 10-15 green/yellow, blue/red anodized (PU = 1 pc. each)

065.1000.010:

for fine regulating valve (FRV) brass G/PA/Inox, sizes 6-8 green/yellow, blue/red anodized (PU = 1 pc. each)

065.1000.011:

for fine regulating valve (FRV) Inox, sizes 10-15 green/yellow, blue/red anodized (PU = 1 pc. each)

065.1001.080:

for regulating-/fine regulating valve (RV/FRV) brass G/PA/Inox sizes 6-8 black anodized (PU = 10 pcs.)

065.1001.150:

for regulating-/fine regulating valve (RV/FRV) Inox sizes 10-15 black anodized (PU = 10 pcs.)

255.1001.001:

for regulating valve (RV) brass M/G, red/blue/green (PU = 1 pc. each)

255.1001.002:

for fine regulating valve (FRV) brass M/G, red/blue/green (PU = 1 pc. each)

255.1101.122:

for regulating valve (RV) brass M/G, grey (PU = 10 pcs.)

255.1101.222:

for fine regulating valve (FRV) brass M/G, grey (PU = 10 pcs.)

Konfektionieren von Rohren und Schläuchen

Konfektionierte Schläuche

Wir längen Schläuche automatisch ab, biegen und verpressen die Armaturen, kontrollieren und testen in unserer eigenen Prüf- und Versuchswerkstatt. Und immer öfter liefern wir ganze Baugruppen.

Assemblage des tubes et tuyaux

Tuyaux pré-montés

Nous sectionnons automatiquement les tuyaux et nous sertissons les armatures, nous contrôlons et testons dans notre propre atelier d'essai et de contrôle. Et de plus en plus souvent, nous livrons des modules complets.

Pre-assembly of tubes and hoses

Pre-assembled hoses

We automatically cut hoses to length, bend and mount fittings, and then send them to our own test workshop where they are thoroughly checked and tested. And today we are even supplying more and more complete subassemblies.



Rohrsysteme

Die Kompetenz von SERTO im Bereich Konfektionierung beginnt beim Einkauf und der Lagerung der Rohre, erstreckt sich über den Einsatz der optimalen Bearbeitungs- und Biegemaschinen, die Qualitätskontrolle bis hin zur Komplettierung der Rohre mit Verschraubungen oder der Montage von Baugruppen – ganz nach Kundenwunsch.

Tubes sur mesure

La compétence de SERTO dans le domaine de la confection commence dès l'achat et le stockage des tubes, s'étend à l'utilisation optimale des machines de cintrage et d'usinage, au contrôle qualité et selon la demande du client, se poursuit jusqu'à l'assemblage des tubes avec des raccords ou au montage des composants.

Tube systems

SERTO's competence in the field of assembly starts with the purchasing and storage of the tubes, and extends to the use of optimal processing and bending machines, quality control and the completion of the tubes with unions or installation of assemblies - according to the customer's requirements.

