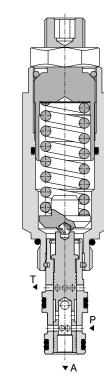
3/4-16 UNF • Q_{max} 20 l/min (5 GPM) • p_{max} 350 bar (5100 PSI)

Model S



Technical Features

- > Excellent stability throughout flow range with rapid response to dynamic pressure changes
- > Low hysteresis, accurate pressure control and low pressure drop
- > Wide pressure range up to 350 bar
- Hardened precision parts
- > Adjustable by allen key or hand screw
- > In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

The valve provides an adjustable regulated pressure level below supply pressure. This direct acting model is suitable for applications with lower flow rates and lower regulated pressures. In case of shock or surge pressures in the downstream line the valve acts as a relief valve, directing excessive pressure and flow to tank.



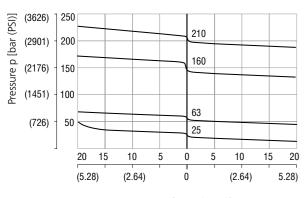
Technical Data

| Valve size / Cartridge cavity | | | 3/4-16 UNF-2A / A3 | | |
|---|-------------|-----------|--------------------|------------|-------------|
| Max. flow | l/min (GPM) | | 20 (| (5.3) | |
| Pressure range | | 2 | 6 | 16 | 21 |
| Max. operating pressure (port P) | bar (PSI) | 50 (730) | 150 (2180) | 250 (3630) | 350 (5080) |
| Reduced pressure range | bar | 10-25 | 20-63 | 50-160 | 100-210 |
| Reduced pressure range (at Q = 5 l/min) | (PSI) | (150-360) | (290-910) | (730-2320) | (1450-3050) |
| Max. back pressure (port T) | bar (PSI) | | 200 (| 3630) | |
| Fluid temperature range (NBR) | °C (°F) | | -30 +100 | (-22 212) | |
| Fluid temperature range (FPM) | °C (°F) | | -20 +120 |) (-4 248) | |
| Mass | kg (lbs) | | 0.13 | (0.29) | |

| | | Datasheet | Туре |
|----------------|------------------|----------------|-----------------------------------|
| General inforr | mation | GI_0060 | Products and operating conditions |
| Valve bodies | In-line mounted | SB_0018 | SB-A3* |
| valve bodies | Sandwich mounted | SB-04(06)_0028 | SB-*-A3* |
| Cavity details | / Form tools | SMT_0019 | SMT-A3* |
| Spare parts | | SP_8010 | |

Reducing - relieving pressure related to flow rate

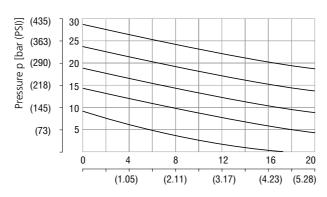
Relieving function $A \rightarrow T$ / Reducing function $P \rightarrow A$



Flow Q [l/min (GPM)]

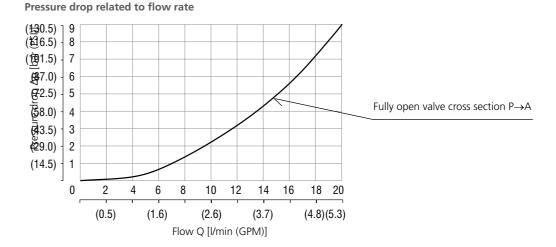
Minimum reducing pressure related to flow rate

Pressure range 6



Flow Q [I/min (GPM)]

Characteristics measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

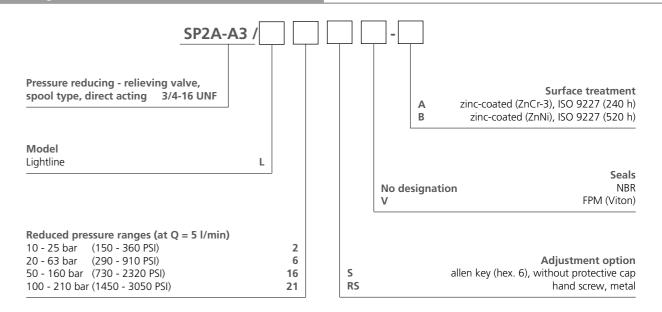


Model S Model RS ○27 ○21 30+2 Nm (22.1+1.5 lbf.ft) √ 15+2 Nm (11.1 + 1.5 lbf.ft)40(1.57) max. 77(3.03) 31 (1.22)



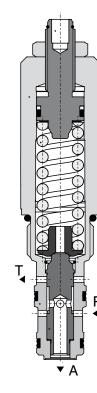
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Subject to change · SP2A-A3_5143_1en_02/2016



Page 236 www.argo-hytos.com max. 131 (5.16)

7/8-14 UNF • Q 60 l/min (16 GPM) • p 420 bar (6100 PSI)



Technical Features

- > Excellent stability throughout flow range with rapid response to dynamic pressure changes
- > Low hysteresis, accurate pressure control and low pressure drop
- > Wide pressure range up to 420 bar
- > Hardened precision parts
- > Adjustable by allen key or hand screw
- > In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

The valve provides an adjustable regulated pressure level below supply pressure. This direct acting model is suitable for applications with lower flow rates and lower regulated pressures. In cases of shock or surge pressures in the downstream line the valve acts as a relief valve, directing excessive pressure and flow to tank.

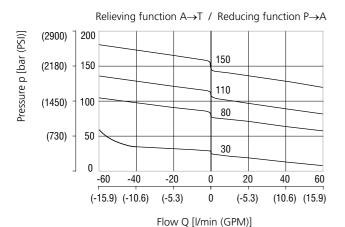


Technical Data

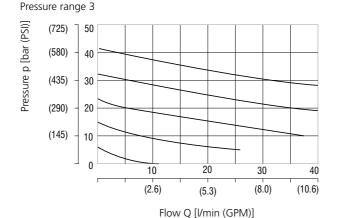
| Valve size / Cartridge cavity | | | 7/8-14 UNF-2A / B3 | | | |
|---|-------------|-----------|--------------------|------------|------------|--|
| Max. flow | l/min (GPM) | 60 (15.9) | | | | |
| Pressure range | | 3 | 8 | 11 | 15 | |
| Max. operating pressure | bar (PSI) | | 420 (| 6090) | | |
| Reduced pressure range | bar | 10-30 | 20-80 | 30-110 | 40-150 | |
| Reduced pressure range (at Q = 5 l/min) | (PSI) | (150-440) | (290-1160) | (440-1600) | (580-2180) | |
| Max. back pressure (port T) | bar (PSI) | | 200 (| 3626) | | |
| Fluid temperature range (NBR) | °C (°F) | | -30 +100 | (-22 212) | | |
| Fluid temperature range (FPM) | °C (°F) | | -20 +120 | 0 (-4 248) | | |
| Mass | kg (lbs) | | 0.26 | (0.57) | | |

| | | Datasheet | Туре |
|----------------|----------------------------------|----------------|-----------------------------------|
| General info | rmation | GI_0060 | Products and operating conditions |
| Value bodies | In-line mounted | SB_0018 | SB-B3* |
| valve bodies | In-line mounted Sandwich mounted | SB-04(06)_0028 | SB-*-B3* |
| Cavity details | s / Form tools | SMT_0019 | SMT-B3* |
| Spare parts | | SP_8010 | |

Reducing - relieving pressure related to flow rate



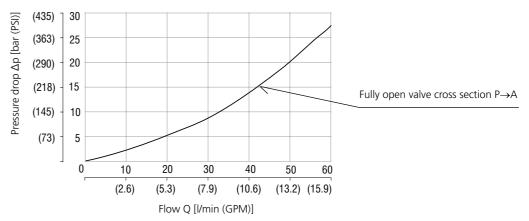
Minimum reducing pressure related to flow rate



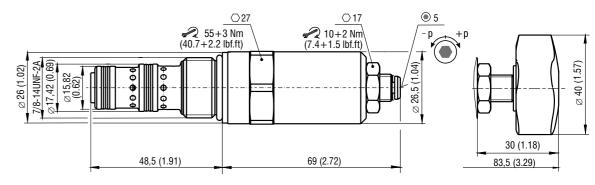
Characteristics measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

Model RP

Pressure drop related to flow rate



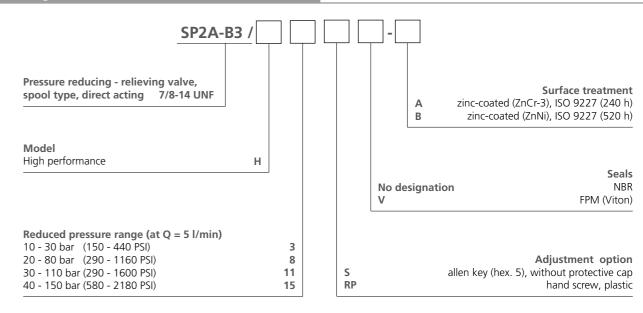
Model S



Ordering Code

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Page 238 www.argo-hytos.com

Subject to change · SP2A-B3_5146_1en_02/2016

ISO 4401-02-01-0-05

Technical Features

- Pressure reducing relieving valve, spool type, direct acting, with mounting interface acc. to ISO 4401, DIN 24340 (CETOP 02)
- > Excellent stability throughout flow range with rapid response to dynamic pressure changes
- > Low hysteresis, accurate pressure control and low pressure drop
- > Wide pressure range up to 320 bar
- Hardened precision parts
- > Pressure reduction function in ports P, A, or B
- › Adjustable by allen key or hand screw
- > Good adjustment sensitivity with reduced drainage flow
- > In the standard version, the valve housing is phosphated and steel parts are zinc-coated for 240 h protection acc. to ISO 9227

Technical Data

Spare parts

| 4xM 5 | 5 -6Hx13 23,25 (0.92) 0,75 (0.03) |
|------------|---|
| (0.17) | P & (5) (0.09) 2,25 (0.09) 11,25 (0.44) |
| 4,3 (0.17) | 20,25 (0.89) 22,5 (0.89) |

Ports P, A, B, T - max. Ø4.5 mm (0.18 in)

04 (D02) Valve size I/min (GPM) 20 (5.3) Max. operating pressure (ports P, A, B) bar (PSI) 320 (4640) Max. operating pressure (port T) bar (PSI) 210 (3050 Reduced pressure range (at Q = 5 l/min) 20-63 30-160 50-210 bar (PSI) (150-360) (290-910) (440-2320)(730-3050) Fluid temperature range (NBR) -30 +100 (-22 ... +212) °C (°F) Fluid temperature range (FPM) -20 +120 (-4 ... +248) °C (°F) Mass - model "A" 0.82 (1.81) kg (lbs) - model "B", "P" 0.60 (1.32) Datasheet Туре GI_0060 Products and operating conditions General information ISO 4401-02-01-0-05 DIN 24340 (CETOP 02) Mounting interface SMT 0019

SP_8010

Functional Description

The pressure valves VRP2 are directly operated reducing-relieving valves for vertical stacking assemblies designed as 3 way valves, which means it includes pressure protection of the secondary circuit. The valve consists of the valve body, control spool, spring, and adjustment element. The body includes a port M with thread G 1/4 for attachment of a pressure measuring device or a by-pass free flow check valve. Model A

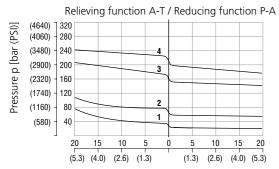
In model A, the fluid enters the valve body from the primary circuit through port A1 and passes through the metering edge, where its pressure is reduced. The flow is passed to the output port A2 and on to the user. The reverse free flow from port A2 to port A1 passes through a check valve which is connected in parallel to the metering edge of the control spool. Model B

In model B, the pressure reduction occurs from port P2 to port P1, but only if the flow in port B passes towards the user (not opposite). The protection of the secondary circuit is therefore ensured for one flow direction only.

In model P, the pressure reduction occurs from port P2 to port P1, and is effective in both flow directions through the directional valve. Therefore, the protection of the secondary circuit is ensured for both flow directions.

Characteristics measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

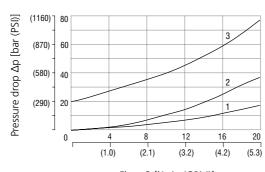
Reducing - relieving pressure related to flow rate



Flow Q [l/min (GPM)]

| | Pressure range |
|---|----------------|
| 4 | 21 |
| 3 | 16 |
| 2 | 6 |
| 1 | 2 |

Pressure drop related to flow rate



Flow Q [l/min (GPM)]

- 1 Pressure drop of check valve 2 - Pressure drop of reducing valve
- at min. adjustable pressure range 3 - Pressure drop of relief valve at min. adjustable safety pressure

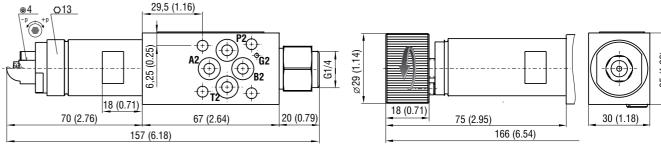
| | Direction | |
|---|-----------|-------------|
| | Model A | Models P, B |
| 3 | A2-T | P1-T |
| 2 | A1-A2 | P2-P1 |
| 1 | A2-A1 | |

Page 240 www.argo-hytos.com

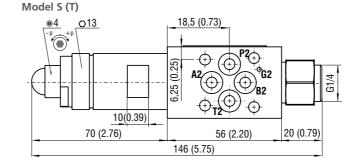
Subject to change · VRP2-04_5142_1en_02/2016

Type "A"

Model S (T)

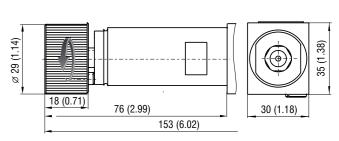


Type "B" and "P"

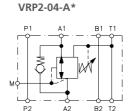


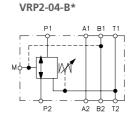
Model RS

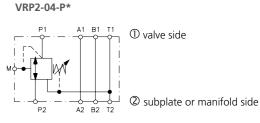
Model RS



Functional symbols

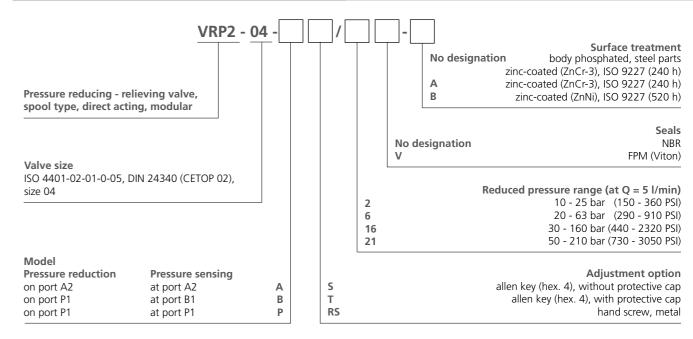






Notice: The orientation of the symbol on the name plate corresponds with the valve function.

Ordering Code

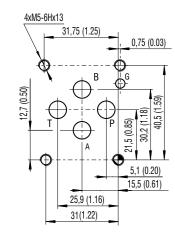


Page 241 www.argo-hytos.com

Technical Features

- Pressure reducing relieving valve, spool type, direct acting, with mounting interface acc. to ISO 4401, DIN 24340 (CETOP 03)
- > Excellent stability throughout flow range with rapid response to dynamic pressure changes
- > Low hysteresis, accurate pressure control and low pressure drop
- > Wide pressure range up to 350 bar
- > High flow capacity
- Hardened precision parts
- > Pressure reduction function in ports P, A, or B
- Adjustable by allen key or hand screw
- Good adjustment sensitivity with reduced drainage flow
- > In the standard version, the valve housing is phosphated and steel parts are zinc-coated for 240 h protection acc. to ISO 9227

Technical Data ISO 4401-03-02-0-05



Ports P, A, B, T - max. Ø7.5 mm (0.29 in)

Valve size 06 (D03) Max. flow I/min (GPM) 50 (13.2) Max. operating pressure (ports P, A, B) bar (PSI) 350 (5080) Max. operating pressure (port T) bar (PSI) 210 (3050 20-63 30-160 40-210 bar 10-25 Reduced pressure range (at Q = 5 | l/min)(PSI) (150-360) (290-910) (440-2320) (580-3050) Fluid temperature range (NBR) °C (°F) -30 +100 (-22 ... +212) Fluid temperature range (FPM) °C (°F) -20 +120 (-4 ... +248) Mass - model "A". "E" 1.75 (3.85) kg (lbs) - model "B", "P" 1.50 (3.31)

| | Datasheet | Туре |
|---------------------|-----------|---|
| General information | GI_0060 | Products and operating conditions |
| Mounting interface | SMT_0019 | ISO 4401-03-02-0-05 DIN 24340 (CETOP 03) |
| Spare parts | SP_8010 | |

Functional Description

The pressure valves VRP2 are directly operated reducing-relieving valves for vertical stacking assemblies designed as 3 way valves, which means it includes pressure protection of the secondary circuit. The valve consists of the valve body, control spool, spring, and adjustment element. The body includes a port M with thread G 1/4 for attachment of a pressure measuring device or a by-pass free flow check valve. Model A

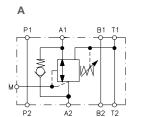
In model A, the fluid enters the valve body from the primary circuit through port A1 and passes through the metering edge, where its pressure is reduced. The flow is passed to the output port A2 and on to the user. The reverse free flow from port A2 to port A1 passes through a check valve which is connected in parallel to the metering edge of the control spool.

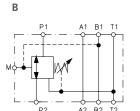
In model E, the fluid enters the valve body from the primary circuit through port B1 and passes through the metering edge, where its pressure is reduced. The flow is passed to the output port B2 and on to the user. The reverse free flow from port B2 to port B1 passes through a check valve which is connected parallel to the metering edge of the control spool. Model B

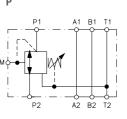
In model B, the pressure reduction occurs from port P2 to port P1, but only if the flow in port B passes towards the user (not opposite). The protection of the secondary circuit is therefore ensured for one flow direction only.

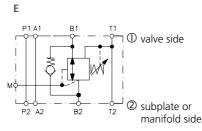
In model P, the pressure reduction occurs from port P2 to port P1, and is effective in both flow directions through the directional valve. Therefore, the protection of the secondary circuit is ensured for both flow directions.

Functional symbols





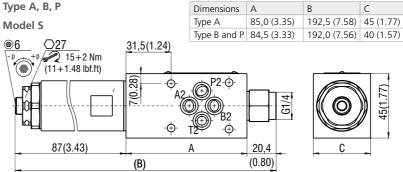


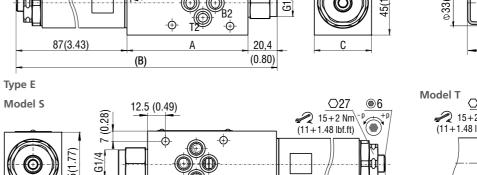


Notice: The orientation of the symbol on the name plate corresponds with the valve function.

Page 242 www.argo-hytos.com

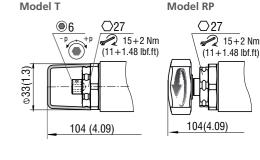
Dimensions in millimeters (inches)

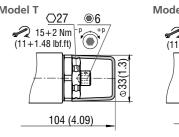




(197,5 (7.78)

87 (3.43)



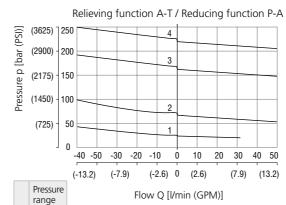


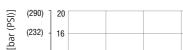


Characteristics measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

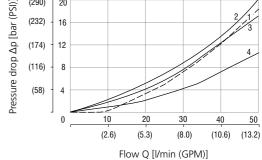
-⊕-

Reducing - relieving pressure related to flow rate





Pressure drop related to flow rate



| | Flow direction - Model | | | |
|---|------------------------|-------|-------|-------|
| | A B E P | | | |
| 4 | A1-A2 | | B1-B2 | |
| 3 | A2-A1 | | B2-B1 | |
| 2 | A2-T | P1-T | B2-T | P1-T |
| 1 | | P2-P1 | | P2-P1 |

- 1 (4) Pressure drop of reducing valve at min, adjustable pressure range 2 - Pressure drop of relief valve
- at min. adjustable safety pressure 3 - Pressure drop of check valve

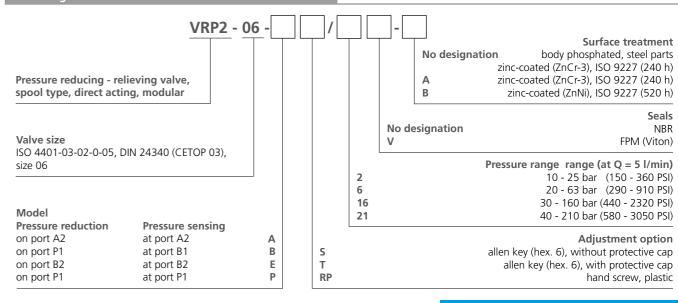
Ordering Code

Subject to change · VRP2-06_5145_1en_02/2016

4 21

3 16

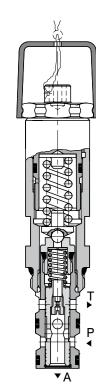
2 6



Page 243 www.argo-hytos.com Datasheet pg. 2

VRN2-06/S

M22x1.5 • Q_{max} 40 l/min (11 GPM) • p_{max} 320 bar (4600 PSI)



Technical Features

- > Excellent stability throughout flow range with rapid response to dynamic pressure changes
- > Low hysteresis, accurate pressure control and low pressure drop
- Reverse relief protection
- > Wide pressure range up to 320 bar
- High flow capacity
- Hardened precision parts
- › Adjustable by allen key or hand screw, optionally sealable (lockwire holes)
- > In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

This 3 way pilot operated pressure reducing valve is designed to reduce the system pressure at the consumer port. Due to its 3 way design the valve provides reverse relief protection of the secondary circuit to the tank port. The pressure can be set by an adjustment screw (by allen key or by hand screw) and the valve is optionally equipped with lockwire holes for sealing.



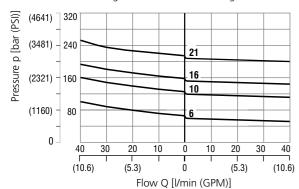
Technical Data

| Valve size / Cartridge cavity | | M22x1.5 / QF3 |
|-------------------------------|-------------|--------------------|
| Max. flow | l/min (GPM) | 40 (10.6) |
| Max. operating pressure | bar (PSI) | 320 (4640) |
| Max. pressure (T port) | bar (PSI) | 160 (2320) |
| Fluid temperature range (NBR) | °C (°F) | -30 +100 (-22 212) |
| Fluid temperature range (FPM) | °C (°F) | -20 +120 (-4 248) |
| Mass | kg (lbs) | 0.22 (0.49) |

| | | Datasheet | Туре |
|----------------|------------------|----------------|-----------------------------------|
| General inform | mation | GI_0060 | Products and operating conditions |
| Valve bodies | In-line mounted | SB_0018 | SB-QF3* |
| valve bodies | Sandwich mounted | SB-04(06)_0028 | SB-04(06)-QF3* |
| Cavity details | | SMT_0029 | SMT-QF3* |
| Spare parts | | SP_8010 | |

Reducing - relieving pressure related to flow rate

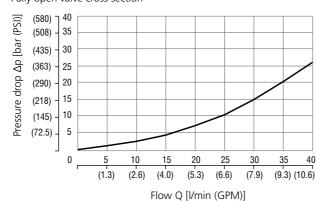
Relieving function A-T / Reducing function P-A



Page 244

Pressure drop related to flow rate

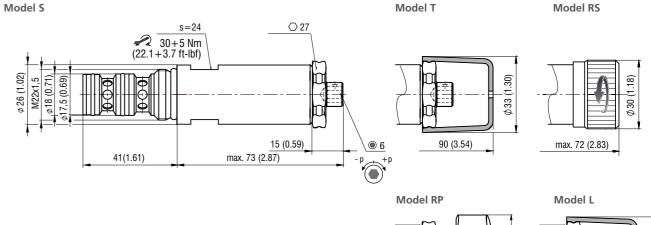
Flow direction P-A Fully open valve cross section



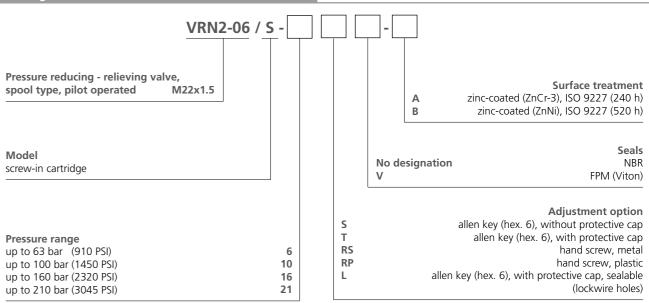
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90 (3.54)

Page 245



Ordering Code



max. 79 (3.11)

Pressure Reducing - Relieving Valve, Spool Type, Pilot Operated, Modular

VRN2-06/M(R)

Size 06 (D03) • Q_{max} 40 l/min (11 GPM) • p_{max} 320 bar (4600 PSI)



Technical Features

- Pressure reducing relieving valve, spool type, pilot operated with mounting interface acc. to ISO 4401, DIN 24340 (CETOP 03)
- > Excellent stability throughout flow range with rapid response to dynamic pressure changes
- > Low hysteresis, accurate pressure control and low pressure drop
- Reverse relief protection
- > Wide pressure range up to 320 bar
- High flow capacity
- Hardened precision parts
- › Adjustable by allen key or hand screw, optionally sealable (lockwire holes)
- In the standard version, the valve housing is phosphated and steel parts are zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

This pilot operated pressure reducing valve is designed to reduce the system pressure at the consumer port. Its 3 way design provides reverse relief protection of the secondary circuit to the tank port. The pressure can be set by an adjustment screw and the valve is optionally equipped with lockwire holes for sealing. Valve bodies for vertical stacking assemblies are available with pressure reduction in ports A and P. Check valves incorporated into the valve bodies MA(B) enable the reverse flow to pass freely through the valve.

Model MA, MB, MC

In models MA and MB, the flow enters the valve through port A1 (B1). The input pressure is reduced and routed to port A2 (B2). In model MB the reverse flow passes through a check valve. The MC type is identical to the MB type, but without the bypass check valve.

Model MP

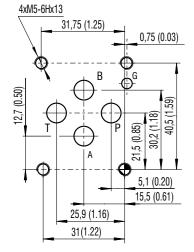
In model MP, the pressure is reduced from port P2 to port P1.

All models support the connection of a pressure gauge to port M (thread G 1/4).

Technical Data

| | · | |
|---|-------------|---|
| Valve size / Cartridge cavity | | Size 06 / QF3 |
| Max. flow | I/min (GPM) | 40 (10.6) |
| Max. operating pressure (ports P, A, B) | bar (PSI) | 320 (4640) |
| Max. operating pressure (port T) | bar (PSI) | 160 (2320) |
| Fluid temperature range (NBR) | °C (°F) | -30 +100 (-22 212) |
| Fluid temperature range (FPM) | °C (°F) | -20 +120 (-4 248) |
| Mass - models MA, MB | | 1.20 (2.65) |
| - models MC, MP | kg (lbs) | 1.10 (2.43) |
| - model RA1 | | 1.10 (2.43) |
| | Datasheet | Type |
| General information | GI_0060 | Products and operating condition |
| Mounting interface / tolerances | SMT_0019 | ISO 4401-03-02-0-05 DIN 24340 (CETOP 03) |
| Spare parts | SP_8010 | |

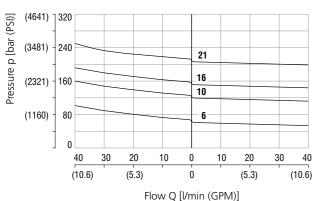
ISO 4401-03-02-0-05



Ports P, A, B, T - max. Ø7.5 mm (0.29 in)

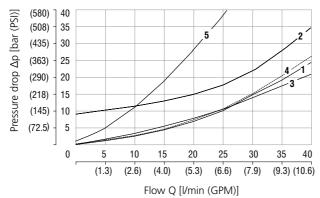
Characteristics measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

Reducing - relieving pressure related to flow rate Relieving function A-T / Reducing function P-A



Pressure drop related to flow rate

Flow direction P-A Fully open valve through section



| | 1 | 2 | 3 | 4 | 5 |
|-------------------|----------------|----------------------|---|-------|--|
| Flow direction | A1-A2 B1-B2 | A2-T B2-T P1-T | A2-A1 B2-B1 flow through check valve and fully opened main spool | P2-P1 | A2-A1 B2-B1 flow through check valve only |

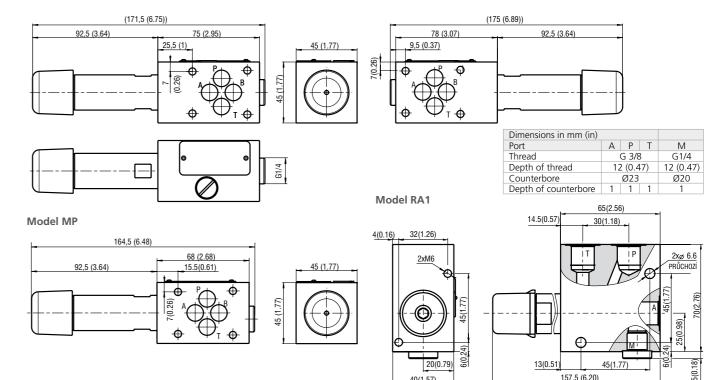
Page 246 Datasheet pg. 1 www.argo-hytos.com

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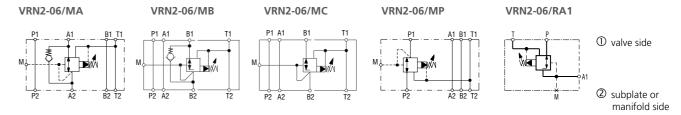
ARGO HYTOS

Dimensions in millimeters (inches

Model MA Models MB, MC



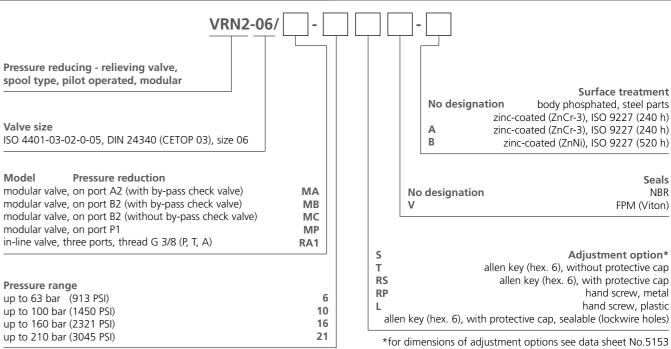
Functional Symbols



Notice: The orientation of the symbol on the name plate corresponds with the valve function.

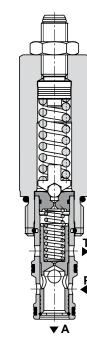
Ordering Code

Subject to change · VRN2-06/M(R)_5155_1en_02/2016



www.argo-hytos.com Datasheet pg. 2 Page 247

7/8-14 UNF • Q___ 60 l/min (16 GPM) • p___ 350 bar (5100 PSI)



Technical Features

- > Excellent stability throughout flow range with rapid response to dynamic pressure changes
- > Low hysteresis, accurate pressure control and low pressure drop by CFD optimized flow path
- > Reverse relief protection
- > Wide pressure range up to 350 bar
- > High flow capacity
- Hardened precision parts
- > Adjustable by allen key or hand screw
- > In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

This 3 way pilot operated pressure reducing valve is designed to reduce the system pressure at the consumer port. Due to its 3 way design the valve provideds reverse relief protection of the secondary circuit to the tank port. The pressure can be set by an adjustment screw (by allen key or by hand screw).



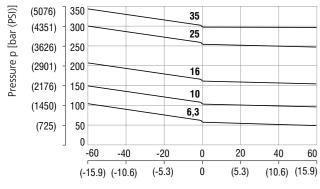
Technical Data

| Valve size / Cartridge cavity | | 7/8-14 UNF-2A / B3 | |
|-------------------------------|-------------|--------------------|--|
| Max. flow | l/min (GPM) | 60 (15.9) | |
| Max. operating pressure | bar (PSI) | 350 (5080) | |
| Max. pressure (port T) | bar (PSI) | 100 (1450) | |
| Fluid temperature range (NBR) | °C (°F) | -30 +100 (-22 212) | |
| Fluid temperature range (FPM) | °C (°F) | -20 +120 (-4 248) | |
| Mass | kg (lbs) | 0.24 (0.53) | |

| | | Datasheet | Туре |
|-----------------------------|------------------|----------------|-----------------------------------|
| General information | | GI_0060 | Products and operating conditions |
| Valve bodies | In-line mounted | SB_0018 | SB-B3* |
| | Sandwich mounted | SB-04(06)_0028 | SB-*B3* |
| Cavity details / Form tools | | SMT_0019 | SMT-B3* |
| Spare parts | | SP_8010 | |

Reducing - relieving pressure related to flow rate

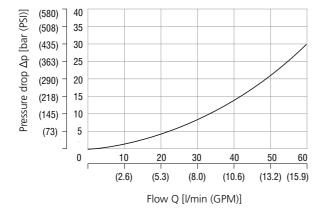
Relieving function A-T / Reducing function P-A



Flow Q [l/min (GPM)]

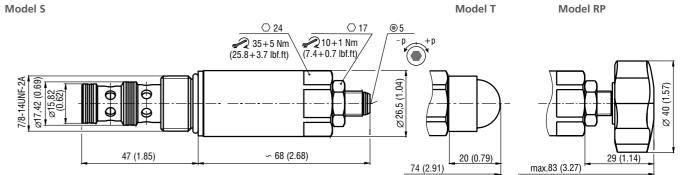
Pressure drop related to flow rate

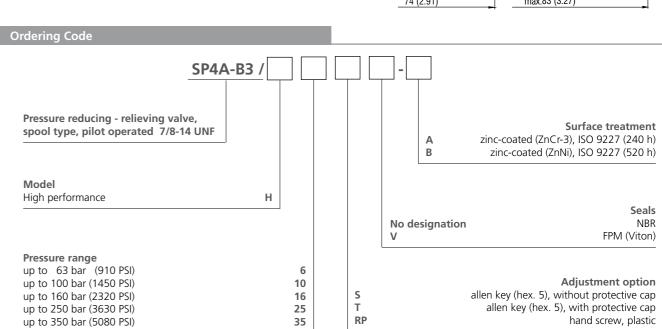
Flow direction P - A Fully open valve cross section



Page 248 Datasheet pg. 1 www.argo-hytos.com Subject to change · SP4A-B3_5144_1en_02/2016







Page 249 www.argo-hytos.com

Subject to change · SP4A-B3_5144_1en_02/2016

VRN2-10/S

M27x2 • Q_{max} 150 l/min (40 GPM) • p_{max} 320 bar (4600 PSI)

Technical Features

- > Excellent stability throughout flow range with rapid response to dynamic pressure changes
- > Low hysteresis, accurate pressure control and low pressure drop
- Reverse relief protection
- > Wide pressure range up to 320 bar
- High flow capacity
- Hardened precision parts
- › Adjustable by allen key or hand screw, optionally sealable (lockwire holes)
- > In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

This 3 way pilot operated pressure reducing valve is designed to reduce the system pressure at consumer port. Due to its 3 way design the valve provideds reverse relief protection of the secondary circuit to the tank port. The pressure can be set by an adjustment screw (by allen wrench or by hand) and the valve is optionally equipped with lockwire holes for sealing.



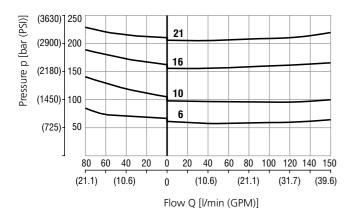
Technical Data

| Valve size / Cartridge cavity | | M27x2 / K3 | | |
|-------------------------------|-------------|--------------------|--|--|
| Max. flow | l/min (GPM) | 150 (39.6) | | |
| Max. operating pressure | bar (PSI) | 320 (4640) | | |
| Max. pressure (port T) | bar (PSI) | 160 (2320) | | |
| Fluid temperature range (NBR) | °C (°F) | -30 +100 (-22 212) | | |
| Fluid temperature range (FPM) | °C (°F) | -20 +120 (-4 248) | | |
| Mass | kg (lbs) | 0.35 (0.77) | | |

| | | Datasheet | Туре |
|---------------------|------------------|----------------|-----------------------------------|
| General information | | GI_0060 | Products and operating conditions |
| Valve bodies | In-line mounted | SB_0018 | SB-K3* |
| | Sandwich mounted | SB-04(06)_0028 | SB-04(06)-K3* |
| Cavity details | | SMT_0029 | SMT-K3* |
| Spare parts | | SP_8010 | |

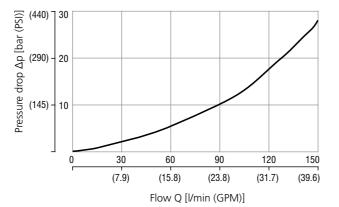
Reducing - relieving pressure related to flow rate

Relieving function A-T / Reducing function P-A

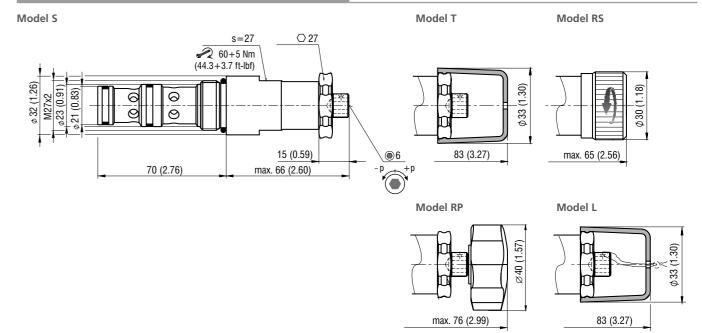


Pressure drop related to flow rate

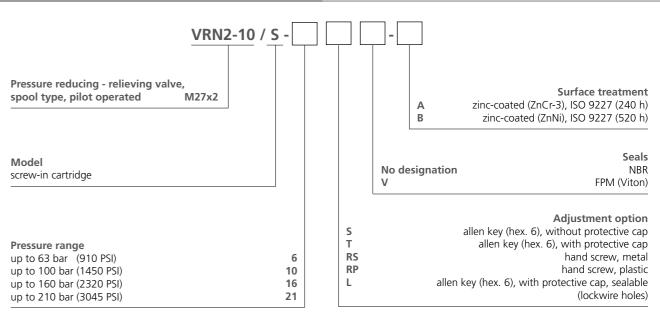
Flow direction P-A Fully open valve cross section



ARGO



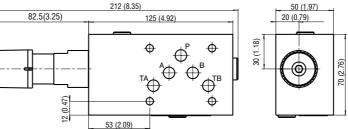
Ordering Code

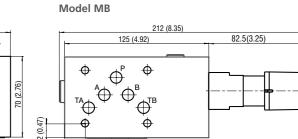


Page 250 www.argo-hytos.com Subject to change · VRN2-10/S_5154_1en_02/2016

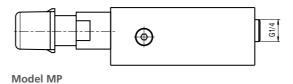
Page 251

Model MA

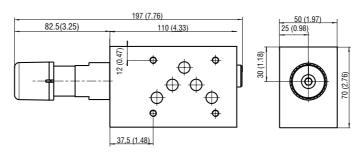


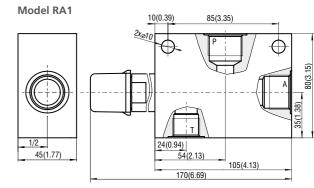


18(0.71)



| Dimensions in mm (in) | | | |
|-----------------------|-----------|-----------|-----------|
| Port | Α | Р | T |
| Thread | M27x2 | G3/4 | G1/2 |
| Depth of thread | 19 (0.75) | 16 (0.63) | 14 (0.55) |
| Counterbore | Ø40 | Ø33 | Ø28 |
| Depth of counterbore | 1 (0.04) | 1 (0.04) | 1 (0.04) |





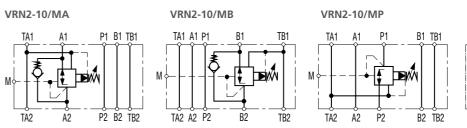
VRN2-10/RA1

① valve side

② subplate

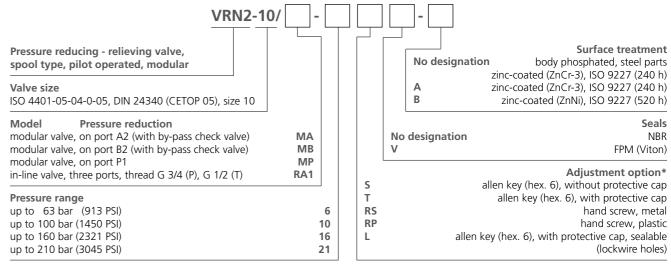
or manifold side

Functional Symbols



Notice: The orientation of the symbol on the name plate corresponds with the valve function.

Ordering Code



*for dimensions of adjustment options see data sheet No.5154