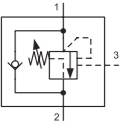
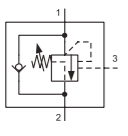
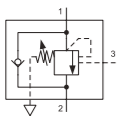
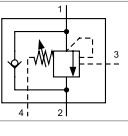


Content

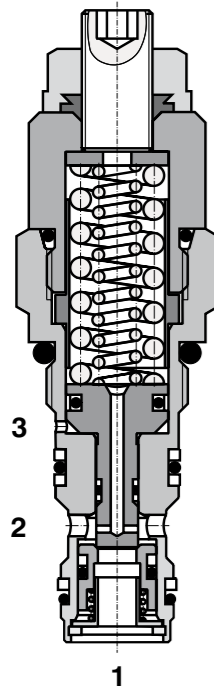
Symbol Example	Flow l/min (GPM)	Pressure bar (PSI)	Type Code	Cartridge			Line Mounted	Page	Data Sheet
				Size 04; D02	Size 06; D03	Size 10; D05			
Overcentre Valves									
	30 (8)	350 (5100)	SO5A-Q3/I	X			(X)	308	HA 5200
	90 (24)	350 (5100)	SO5A-R3/I	X			(X)	310	HA 5205
	140 (37)	420 (6100)	SO5A-T3/I	X			(X)	312	HA 5214
Overcentre Valves Part Balanced									
	30 (8)	350 (5100)	SOP5A-Q3/I	X			(X)	314	HA 5201
	90 (24)	350 (5100)	SOP5A-R3/I	X			(X)	316	HA 5206
	140 (37)	420 (6100)	SOP5A-T3/I	X			(X)	318	HA 5215
Overcentre Valves Fully Balanced									
	30 (8)	350 (5100)	SOB5A-Q3/I	X			(X)	320	HA 5202
	90 (24)	350 (5100)	SOB5A-R3/I	X			(X)	322	HA 5207
	120 (32)	350 (5100)	SOB5A-S3/I	X			(X)	324	HA 5211
Overcentre Valves Fully Balanced - Internal Drainage									
	90 (24)	350 (5100)	SOBD5A-R4/I	X			(X)	326	HA 5208
	180 (48)	400 (5800)	SOBD5A-S4/I	X			(X)	328	HA 5212

Notes

Overcentre Valve

SO5A-Q3/I

M20x1.5 • Q_{max} 30 l/min (8 GPM) • p_{max} 350 bar (5100 PSI)

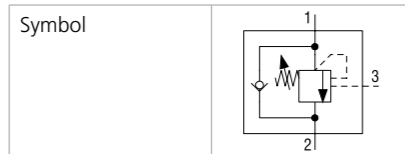


Technical Features

- › The valve prevents runaway ahead of the pump in the event of a negative load
- › Load-holding with leak-free closing poppet when the directional valve is in neutral position
- › Pressure relief function protecting the actuator against overload and pressure peaks
- › Integrated check valve acting as an anti-cavitation valve
- › When installed into an actuator the valve can be used as a hose burst valve
- › In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

Poppet type, screw-in motion control valve designed to control the runaway of a negative load. The built-in check valve allows reverse flow into the actuator, which is protected by the internal pressure relief function.



Technical Data

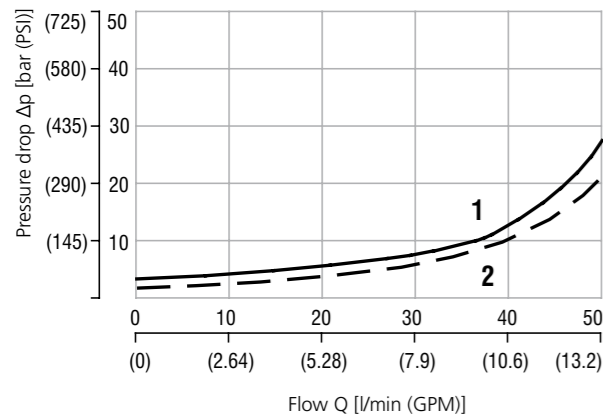
Valve size / Cartridge cavity		M20x1.5 / Q3
Max. flow	l/min (GPM)	30 (7.9)
Max. load induced pressure	bar (PSI)	270 (3920)
Max. relief pressure	bar (PSI)	350 (5080)
Fluid temperature range	°C (°F)	-20 ... +90 (-4 ... +194)
Pilot ratio		2.5:1, 5:1, 10:1
Internal Leakage	ml/min	0.3 nominal (5 drops per min)
Max. degree of fluid contamination	ISO 4406	Class 21/18/13
Mass	kg (lbs)	0.15 (0.33)

		Datasheet	Type
General information		GI_0060	Products and operating conditions
Valve bodies	In-line mounted	SB_0018	SB-Q3*
	Sandwich mounted	SB-04(06)_0028	SB-*Q3*
Cavity details		SMT_0019	SMT-Q3*
Spare parts		SP_8010	

Characteristics measured at v = 40 mm²/s (195 SUS)

Pressure drop related to flow rate

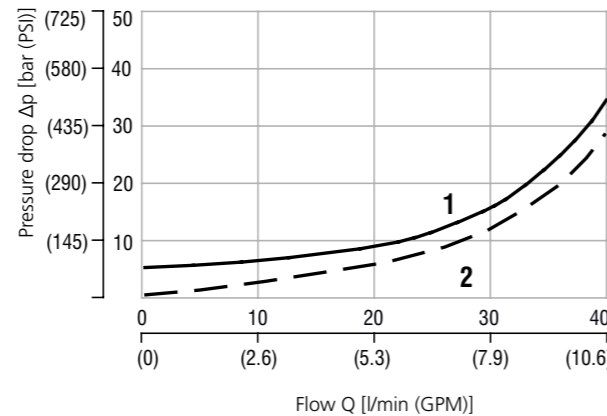
Pilot ratio 2.5 : 1 and 5 : 1



Flow	
1	Free flow (2→1)
2	Pilot open (1→2)

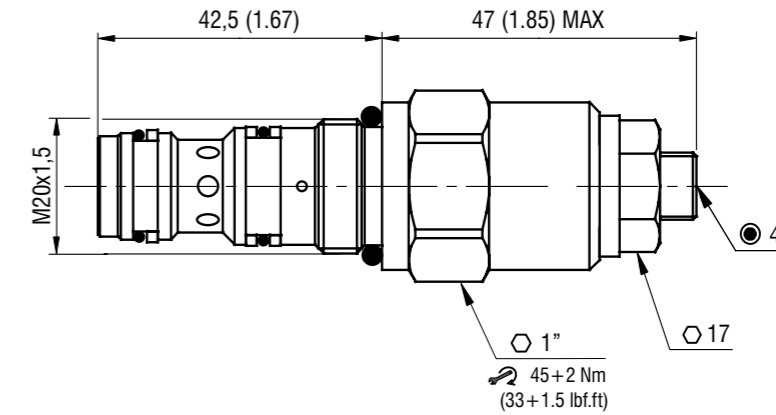
Pressure drop related to flow rate

Pilot ratio 10 : 1

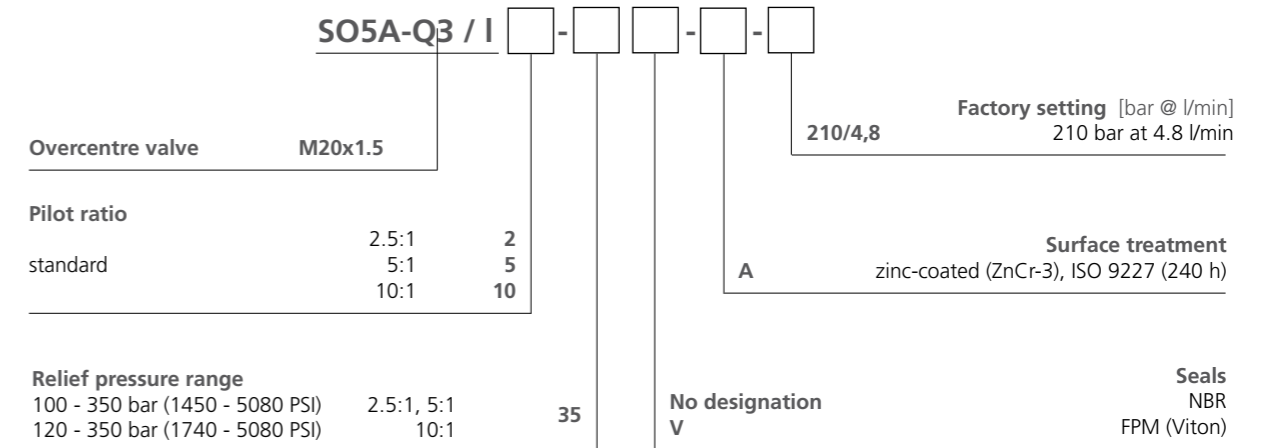


Flow	
1	free flow (2→1)
2	pilot open (1→2)

Dimensions in millimeters (inches)



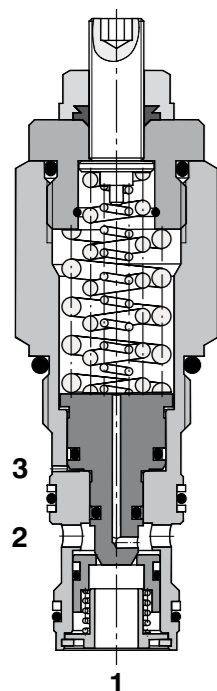
Ordering Code



Overcentre Valve

SO5A-R3/I

M27x1.5 • Q_{max} 90 l/min (24 GPM) • p_{max} 350 bar (5100 PSI)

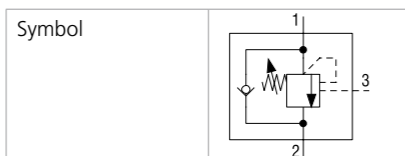


Technical Features

- › The valve prevents runaway ahead of the pump in the event of a negative load
- › Load-holding with leak-free closing poppet when directional valve is in neutral position
- › Pressure relief function protecting the actuator against overload and pressure peaks
- › Integrated check valve acting as an anti-cavitation valve
- › When installed into an actuator the valve can be used as a hose burst valve
- › In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

Poppet type, screw-in motion control valve designed to control the runaway of a negative load. The built-in check valve allows reverse flow into the actuator, which is protected by the internal pressure relief function.



Technical Data

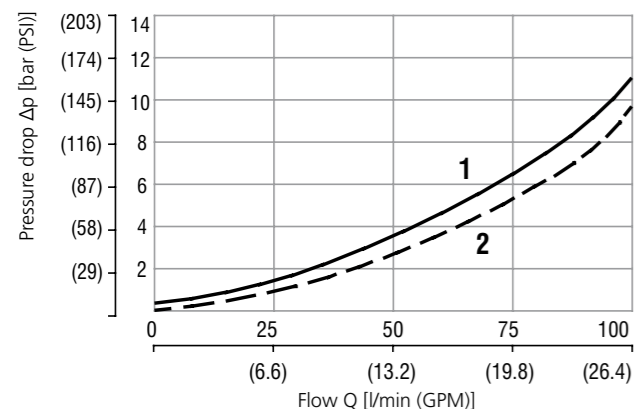
Valve size / Cartridge cavity		M27x1.5 / R3
Max. flow	l/min (GPM)	90 (23.8)
Max. load induced pressure	bar (PSI)	270 (3920)
Max. relief pressure	bar (PSI)	350 (5080)
Fluid temperature range	°C (°F)	-20 ... +90 (-4 ... +194)
Pilot ratio		4:1, 8:1
Internal Leakage	mil/min	0.3 nominal (5 drops per min)
Max. degree of fluid contamination	ISO 4406	Class 21/18/13
Mass	kg (lbs)	0.29 (0.64)

		Datasheet	Type
General information		GI_0060	Products and operating conditions
Valve bodies	In-line mounted	SB_0018	SB-R3*
Cavity details		SMT_0019	SMT-R3*
Spare parts		SP_8010	

Characteristics measured at v = 40 mm²/s (195 SUS)

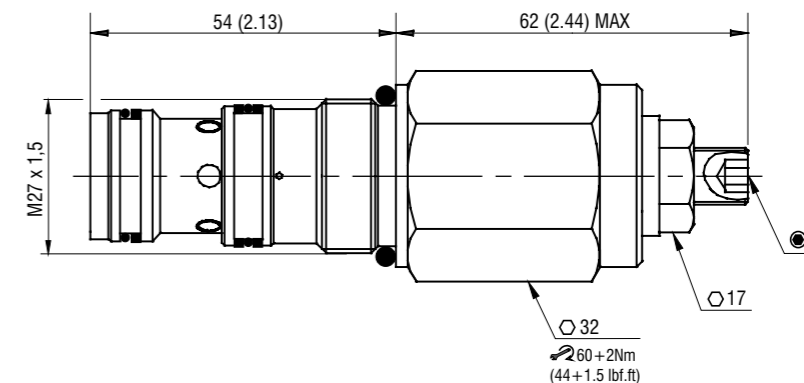
Pressure drop related to flow rate

Pilot ratio 4:1 and 8:1



Flow	
1	free flow (2→1)
2	pilot open (1→2)

Dimensions in millimeters (inches)



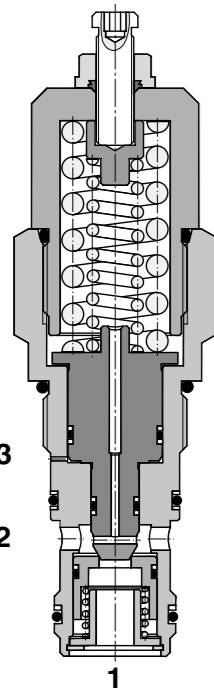
Ordering Code

SO5A-R3 / I					
Overcentre valve	M27x1.5				Factory setting [bar @ l/min] 210/4,8 210 bar at 4.8 l/min
Pilot ratio	standard	4:1 8:1	4 8		Surface treatment A zinc-coated (ZnCr-3), ISO 9227 (240 h)
Relief pressure range	200 - 350 bar (2900 - 5080 PSI)			35	Seals No designation V NBR FPM (Viton)

Overcentre Valve

SO5A-T3/I

M38x2 • Q_{max} 140 l/min (37 GPM) • p_{max} 420 bar (6100 PSI)

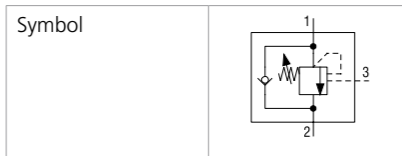


Technical Features

- › The valve prevents runaway ahead of the pump in the event of a negative load
- › Load-holding with leak-free closing poppet when directional valve is in neutral position
- › Pressure relief function protecting the actuator against overload and pressure peaks
- › Integrated check valve acting as an anti-cavitation valve
- › When installed into an actuator the valve can be used as a hose burst valve
- › In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

Poppet type, screw-in motion control valve designed to control the runaway of a negative load. The built-in check valve allows reverse flow into the actuator, which is protected by the internal pressure relief function.



Technical Data

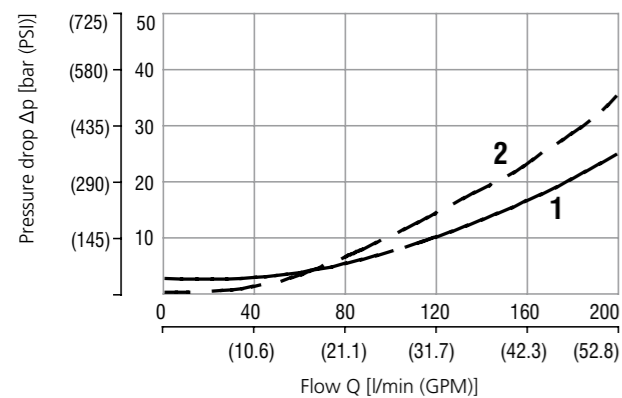
Valve size / Cartridge cavity		M38x2 / T3
Max. flow	l/min (GPM)	140 (37)
Max. load induced pressure	bar (PSI)	340 (4930)
Max. relief pressure	bar (PSI)	420 (6090)
Fluid temperature range	°C (°F)	-20 +90 (-4 ... +194)
Pilot ratio		4:1, 6:1
Internal Leakage	ml/min	0.3 nominal (5 drops per min)
Max. degree of fluid contamination	ISO 4406	Class 21/18/13
Mass	kg (lbs)	1.20 (2.65)

	Datasheet	Type
General information	GI_0060	Products and operating conditions
Valve bodies	In-line mounted SB_0018	SB-T3*
Cavity details	SMT_0019	SMT-T3*
Spare parts	SP_8010	

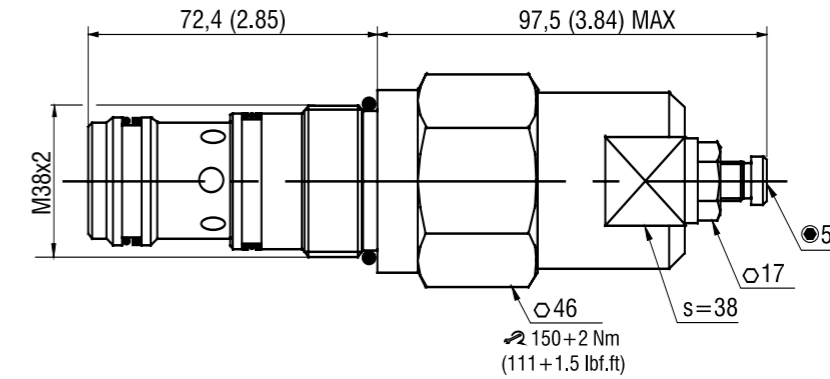
Characteristics measured at v = 40 mm²/s (195 SUS)

Pressure drop related to flow rate

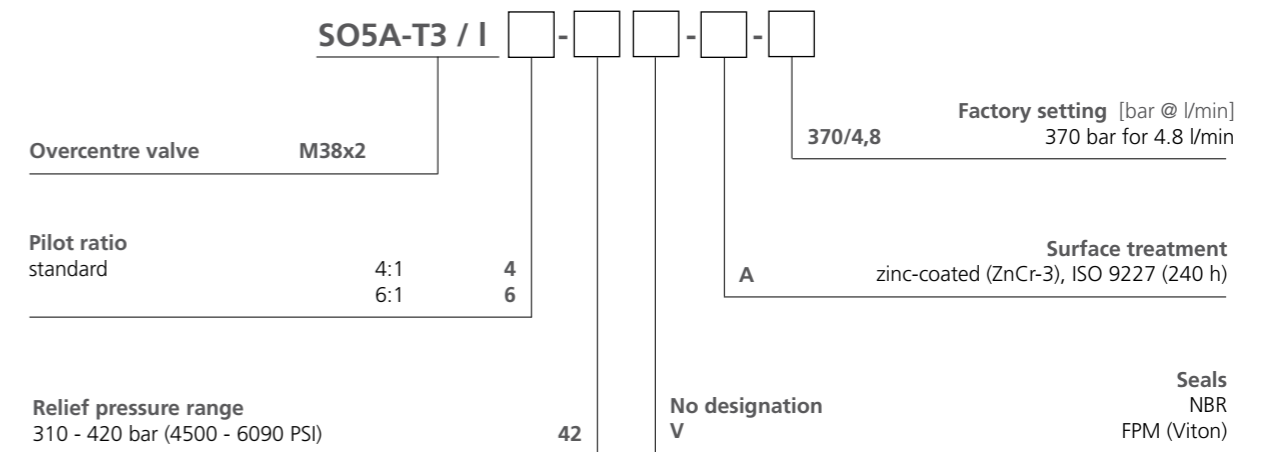
Pilot ratio 4:1 and 6:1



Dimensions in millimeters (inches)



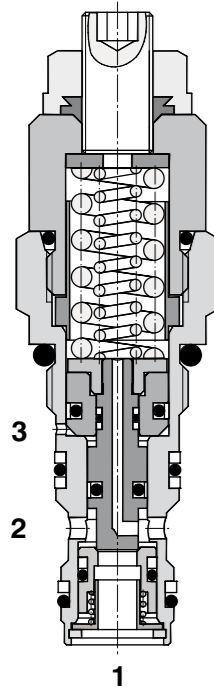
Ordering Code



Overcentre Valve, Partially Balanced

SOP5A-Q3/I

M20x1.5 • Q_{max} 30 l/min (8 GPM) • p_{max} 350 bar (5100 PSI)

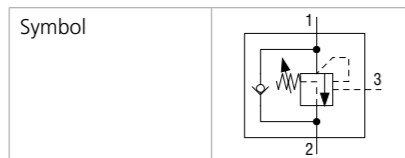


Technical Features

- › The valve prevents runaway ahead of the pump in the event of a negative load
- › Load-holding with leak-free closing poppet when directional valve is in neutral position
- › Pressure relief function protecting the actuator against overload and pressure peaks
- › Integrated check valve acting as an anti-cavitation valve
- › When installed into an actuator the valve can be used as a hose burst valve
- › Pressure relief section of the valve is not affected by back pressure
- › In the standard version, the valve is zinc coated for 240 h protection acc. to ISO 9227

Functional Description

Poppet type, screw-in motion control valve designed to control the runaway of a negative load. The built-in check valve allows reverse flow into the actuator, which is protected by the internal pressure relief function. Back pressure at port 2 do not affect the pressure relief setting.



Technical Data

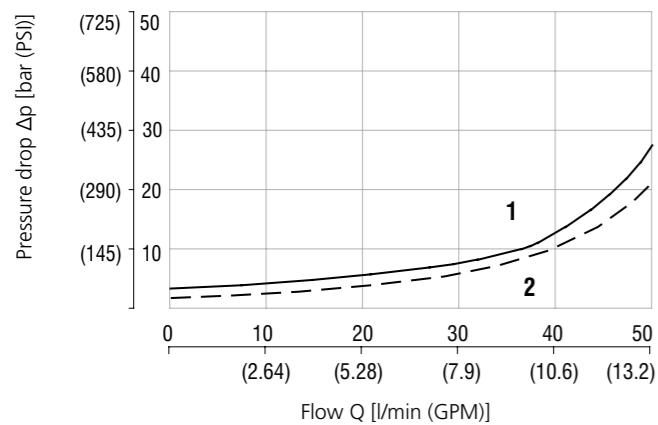
Valve size / Cartridge cavity		M20x1.5 / Q3
Max. flow	l/min (GPM)	30 (7.9)
Max. load induced pressure	bar (PSI)	270 (3920)
Max. relief pressure	bar (PSI)	350 (5080)
Fluid temperature range	°C (°F)	-20 ... +90 (-4 ... +194)
Pilot ratio		4:1
Internal Leakage	ml/min	0.3 nominal (5 drops per min)
Max. degree of fluid contamination	ISO 4406	Class 21/18/13
Mass	kg (lbs)	0.15 (0.33)

		Datasheet	Type
General information		GI_0060	Products and operating conditions
Valve bodies	In-line mounted	SB_0018	SB-Q3*
	Sandwich mounted	SB-04(06)_0028	SB-*Q3*
Cavity details		SMT_0019	SMT-Q3*
Spare parts		SP_8010	

Characteristics measured at v = 40 mm²/s (195 SUS)

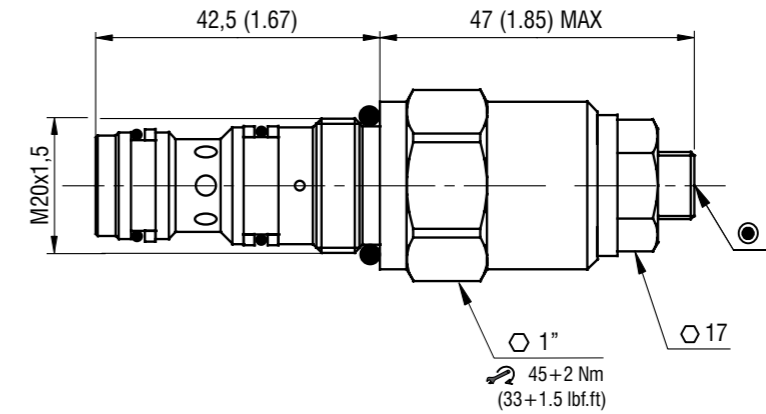
Pressure drop related to flow rate

Pilot ratio 4:1

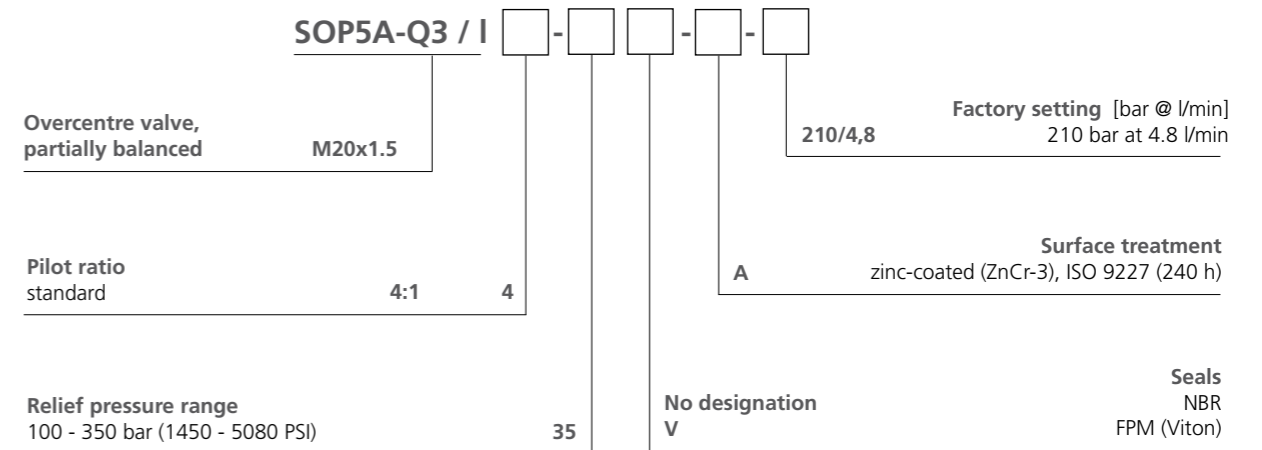


Flow	Description
1	free flow (2→1)
2	pilot open (1→2)

Dimensions in millimeters (inches)



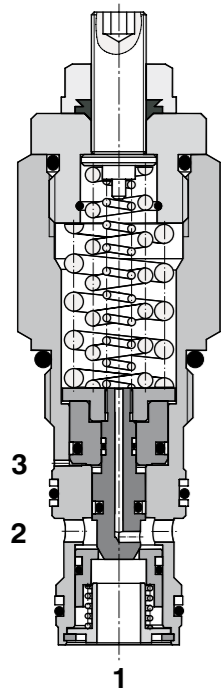
Ordering Code



Overcentre Valve, Partially Balanced

SOP5A-R3/I

M27x1.5 • Q_{max} 90 l/min (24 GPM) • p_{max} 350 bar (5100 PSI)

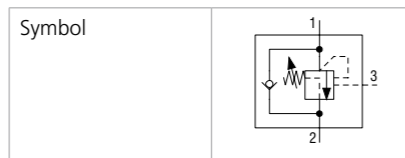


Technical Features

- › The valve prevents runaway ahead of the pump in the event of a negative load
- › Load-holding with leak-free closing poppet when directional valve is in neutral position
- › Pressure relief function protecting the actuator against overload and pressure peaks
- › Integrated check valve acting as an anti-cavitation valve
- › When installed into an actuator the valve can be used as a hose burst valve
- › Pressure relief section of the valve is not affected by back pressure
- › In the standard version, the valve is zinc coated for 240 h protection acc. to ISO 9227

Functional Description

Poppet type, screw-in motion control valve designed to control the runaway of a negative load. The built-in check valve allows reverse flow into the actuator, which is protected by the internal pressure relief function. Back pressure at port 2 do not affect the pressure relief setting.



Technical Data

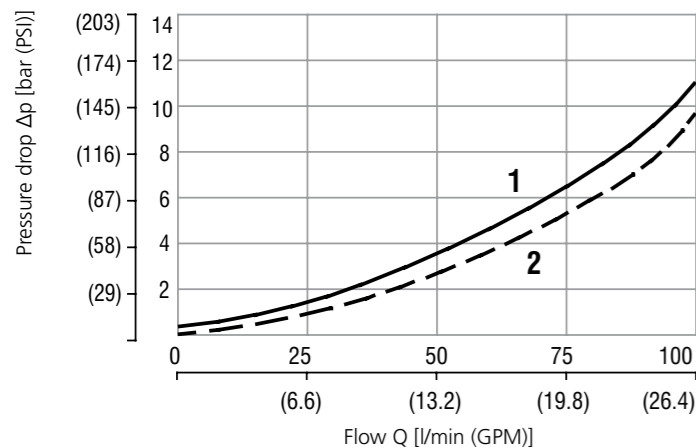
Valve size / Cartridge cavity		M27x1.5 / R3
Max. flow	l/min (GPM)	90 (23.8)
Max. load induced pressure	bar (PSI)	270 (3920)
Max. relief pressure	bar (PSI)	350 (5080)
Fluid temperature range	°C (°F)	-20 +90 (-4 ... +194)
Pilot ratio		4:1
Internal Leakage	ml/min	0.3 nominal (5 drops per min)
Max. degree of fluid contamination	ISO 4406	Class 21/18/13
Mass	kg (lbs)	0.29 (0.64)

	Datasheet	Type
General information	GI_0060	Products and operating conditions
Valve bodies	In-line mounted SB_0018	SB-R3*
Cavity details	SMT_0019	SMT-R3*
Spare parts	SP_8010	

Characteristics measured at v = 40 mm²/s (195 SUS)

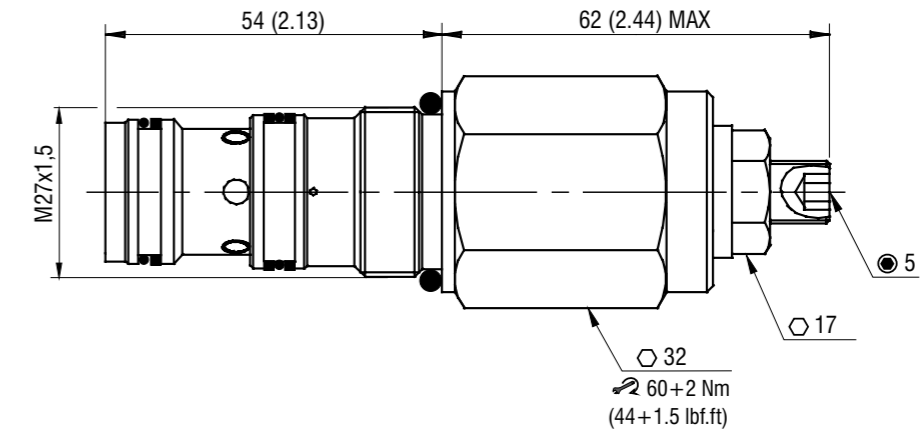
Pressure drop related to flow rate

Pilot ratio 4:1

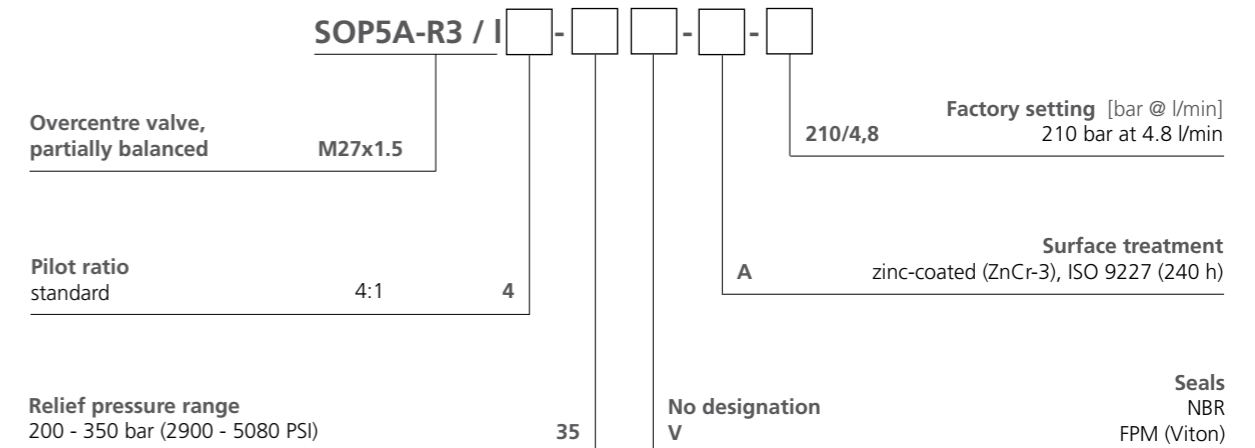


Flow	Description
1	free flow (2→1)
2	pilot open (1→2)

Dimensions in millimeters (inches)



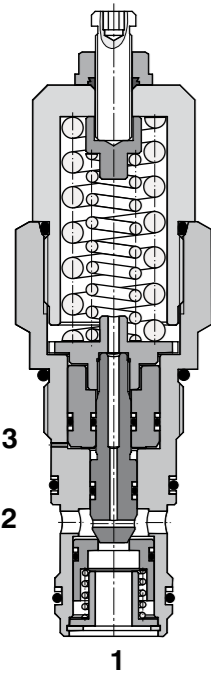
Ordering Code



Overcentre Valve, Partially Balanced

SOP5A-T3/I

M38x2 • Q_{max} 140 l/min (37 GPM) • p_{max} 420 bar (6100 PSI)

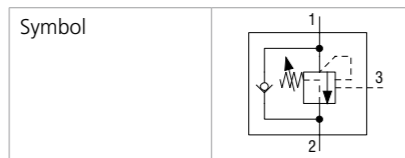


Technical Features

- › The valve prevents runaway ahead of the pump in the event of a negative load
- › Load-holding with leak-free closing poppet when directional valve is in neutral position
- › Pressure relief function protecting the actuator against overload and pressure peaks
- › Integrated check valve acting as an anti-cavitation valve
- › When installed into an actuator the valve can be used as a hose burst valve
- › Pressure relief section of the valve is not affected by back pressure
- › In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

Poppet type, screw-in motion control valve designed to control the runaway of a negative load. The built-in check valve allows reverse flow into the actuator, which is protected by the internal pressure relief function. Back pressure at port 2 do not affect the pressure relief setting.



Technical Data

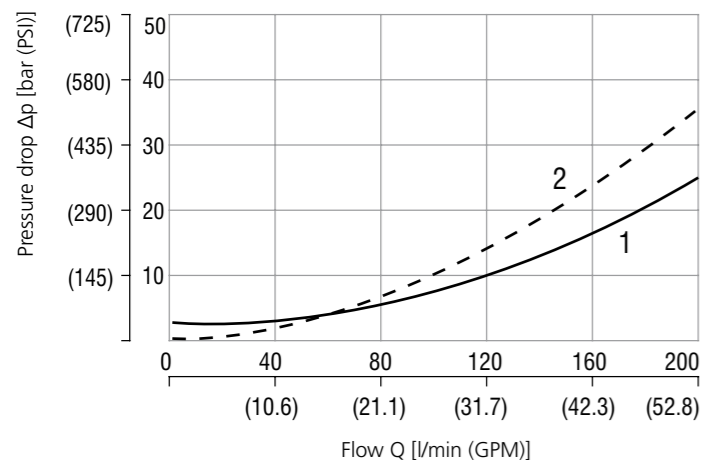
Valve size / Cartridge cavity		M38x2 / T3
Max. flow	l/min (GPM)	140 (37)
Max. load induced pressure	bar (PSI)	340 (4930)
Max. relief pressure	bar (PSI)	420 (6090)
Fluid temperature range	°C (°F)	-20 +90 (-4 ... +194)
Pilot ratio		4:1, 6:1
Internal Leakage	mil/min	0.3 nominal (5 drops per min)
Max. degree of fluid contamination	ISO 4406	Class 21/18/13
Mass	kg (lbs)	1.20 (2.65)

	Datasheet	Type
General information	GI_0060	Products and operating conditions
Valve bodies	In-line mounted SB_0018	SB-T3*
Cavity details	SMT_0019	SMT-T3*
Spare parts	SP_8010	

Characteristics measured at v = 40 mm²/s (195 SUS)

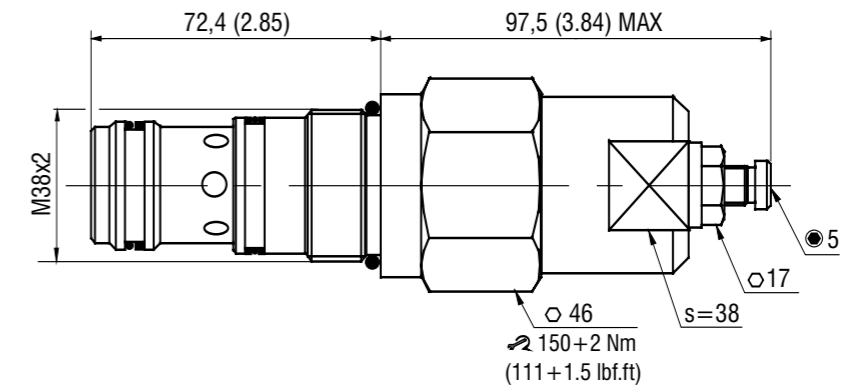
Pressure drop related to flow rate

Pilot ratio 4:1 and 6:1

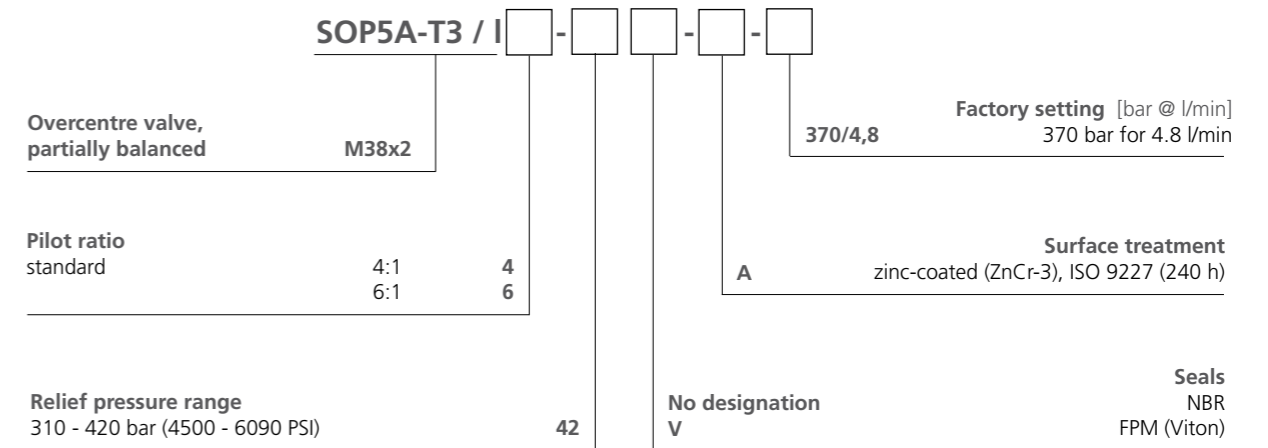


Flow	Description
1	free flow (2→1)
2	pilot open (1→2)

Dimensions in millimeters (inches)



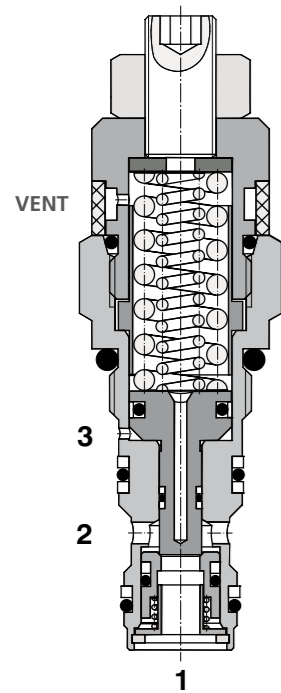
Ordering Code



Overcentre Valve, Fully Balanced, Atmospheric Vent

SOB5A-Q3/I

M20x1.5 • Q_{max} 30 l/min (8 GPM) • p_{max} 350 bar (5100 PSI)

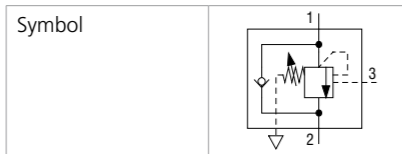


Technical Features

- › The valve prevents runaway ahead of the pump in the event of a negative load
- › Load-holding with leak-free closing poppet when directional valve is in neutral position
- › Pressure relief function protecting the actuator against overload and pressure peaks
- › Integrated check valve acting as an anti-cavitation valve
- › When installed into an actuator the valve can be used as a hose burst valve
- › Back pressure neither affects the relief setting nor the required pilot pressure
- › In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

Poppet type, screw-in motion control valve designed to control the runaway of a negative load. The built-in check valve allows reverse flow into the actuator, which is protected by the internal pressure relief function. Back pressure at port 2 does neither affect the pressure relief setting nor the required pilot pressure.



Technical Data

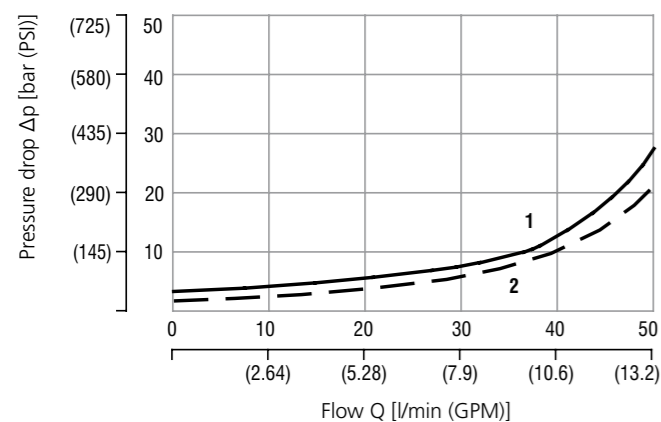
Valve size / Cartridge cavity	M20x1.5 / Q3	
Max. flow	l/min (GPM)	30 (7.9)
Max. load induced pressure	bar (PSI)	270 (3920)
Max. relief pressure	bar (PSI)	350 (5080)
Fluid temperature range	°C (°F)	-20 ... +90 (-4 ... +194)
Pilot ratio		5:1
Internal Leakage	mil/min	0.3 nominal (5 drops per min)
Max. degree of fluid contamination	ISO 4406	Class 21/18/13
Mass	kg (lbs)	0.15 (0.33)

	Datasheet	Type
General information	GI_0060	Products and operating conditions
Valve bodies	In-line mounted	SB-Q3*
	Sandwich mounted	SB-*Q3*
Cavity details	SMT_0019	SMT-Q3*
Spare parts	SP_8010	

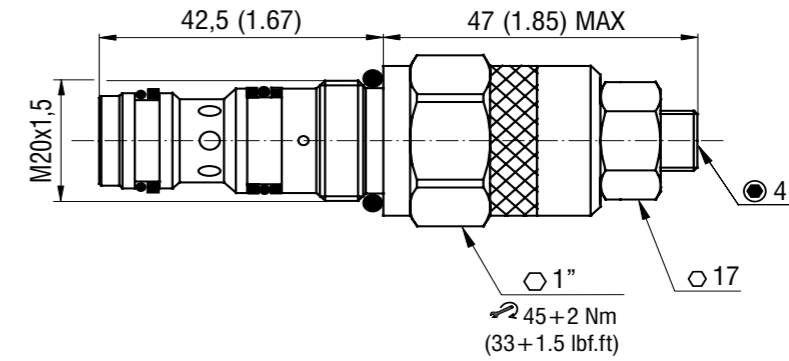
Characteristics measured at v = 40 mm²/s (195 SUS)

Pressure drop related to flow rate

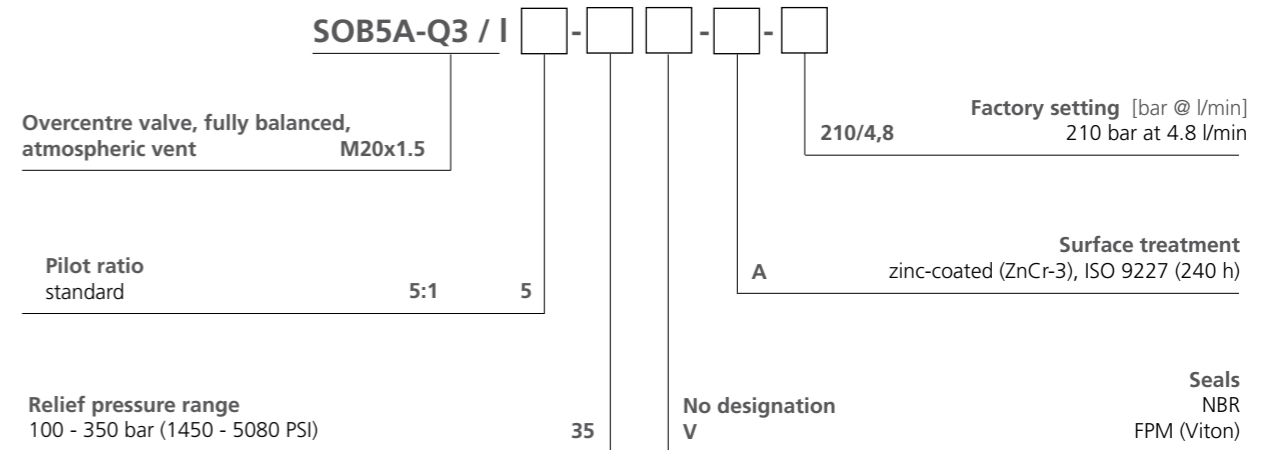
Pilot ratio 5:1



Dimensions in millimeters (inches)



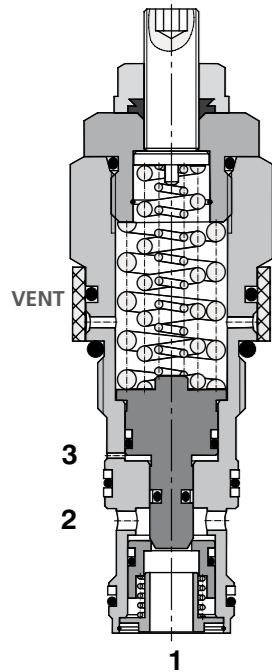
Ordering Code



Overcentre Valve, Fully Balanced, Atmospheric Vent

SOB5A-R3/I

M27x1.5 • Q_{max} 90 l/min (24 GPM) • p_{max} 350 bar (5100 PSI)

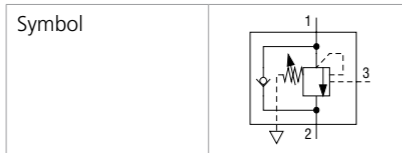


Technical Features

- › The valve prevents runaway ahead of the pump in the event of a negative load
- › Load-holding with leak-free closing poppet when directional valve is in neutral position
- › Pressure relief function protecting the actuator against overload and pressure peaks
- › Integrated check valve acting as an anti-cavitation valve
- › When installed into an actuator the valve can be used as a hose burst valve
- › Back pressure neither affects the relief setting nor the required pilot pressure
- › In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

Poppet type, screw-in motion control valve designed to control the runaway of a negative load. The built-in check valve allows reverse flow into the actuator, which is protected by the internal pressure relief function. Back pressure at port 2 does neither affect the pressure relief setting nor the required pilot pressure.



Technical Data

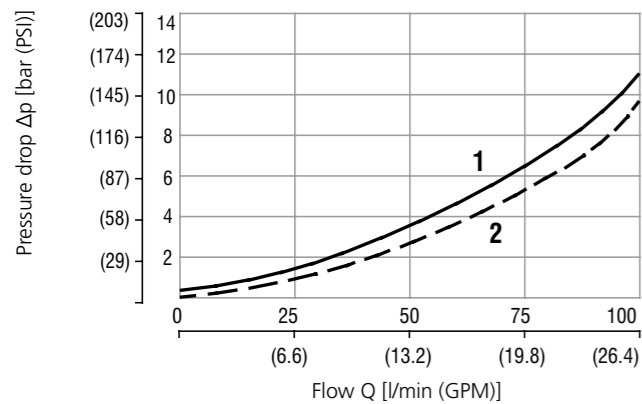
Valve size / Cartridge cavity		M27x1.5 / R3
Max. flow	l/min (GPM)	90 (23.8)
Max. load induced pressure	bar (PSI)	270 (3920)
Max. operating pressure	bar (PSI)	350 (5080)
Fluid temperature range	°C (°F)	-20 ... +90 (-4 ... +194)
Pilot ratio		4:1
Mass	kg (lbs)	0.29 (0.64)

	Datasheet	Type
General information	GI_0060	Products and operating conditions
Valve bodies	In-line mounted SB_0018	SB-R3*
Cavity details / Form tools	SMT_0019	SMT-R3*
Spare parts	SP_8010	

Characteristics measured at v = 40 mm²/s (195 SUS)

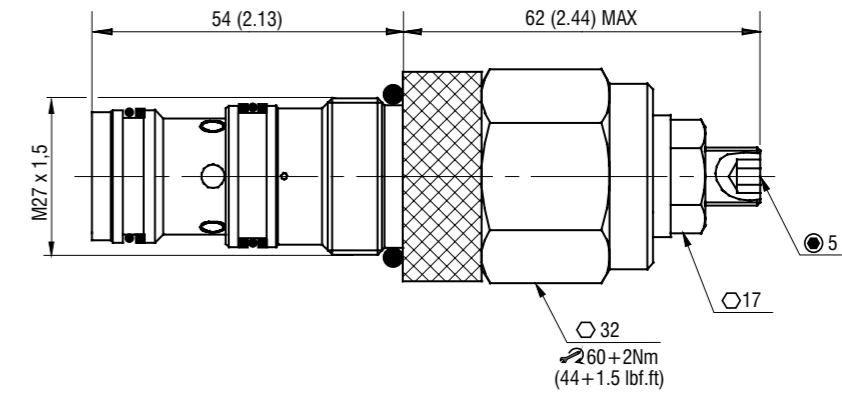
Pressure drop related to flow rate

Pilot ratio 4:1



Flow	Description
1	free flow (2→1)
2	pilot open (1→2)

Dimensions in millimeters (inches)



Ordering Code

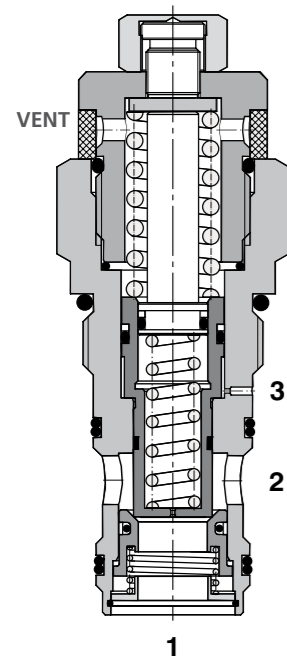
SOB5A-R3 / I - [] - [] - [] - []

- Overcentre valve, fully balanced, atmospheric vent** M27x1.5
- Pilot ratio standard** 4:1 4
- Relief pressure range** 200 - 350 bar (2900 - 5080 PSI) 35
- Factory setting [bar @ l/min]** 210/4,8 210 bar at 4.8 l/min
- Surface treatment** A zinc-coated (ZnCr-3), ISO 9227 (240 h)
- Seals** V No designation NBR FPM (Viton)

Overcentre Valve, Fully Balanced, Atmospheric Vent

SOB5A-S3/I

1-5/16-12 UNF • Q_{max} 120 l/min (32 GPM) • p_{max} 350 bar (5100 PSI)

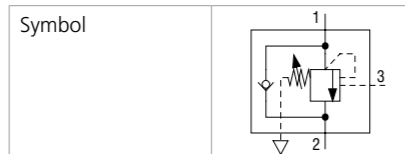


Technical Features

- › The valve prevents runaway ahead of the pump in the event of a negative load
- › Load-holding with leak-free closing poppet when directional valve is in neutral position
- › Pressure relief function protecting the actuator against overload and pressure peaks
- › Integrated check valve acting as an anti-cavitation valve
- › When installed into an actuator the valve can be used as a hose burst valve
- › Back pressure neither affects the relief setting nor the required pilot pressure
- › In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

Poppet type, screw-in motion control valve designed to control the runaway of a negative load. The built-in check valve allows reverse flow into the actuator, which is protected by the internal pressure relief function. Back pressure at port 2 does neither affect the pressure relief setting nor the required pilot pressure.



Technical Data

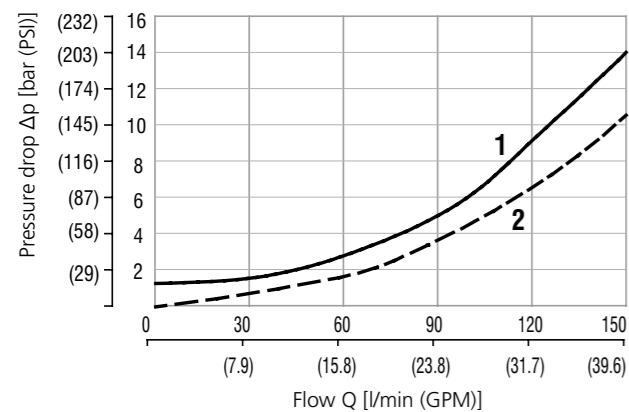
Valve size / Cartridge cavity		1-5/16-12 UNF-2A / S3
Max. flow	l/min (GPM)	120 (31.7)
Max. load induced pressure	bar (PSI)	270 (3920)
Max. relief pressure	bar (PSI)	350 (5080)
Fluid temperature range	°C (°F)	-20 ... +90 (-4 ... +194)
Pilot ratio		3:1
Internal Leakage	mil/min	0.3 nominal (5 drops per min)
Max. degree of fluid contamination	ISO 4406	Class 21/18/13
Mass	kg (lbs)	0.59 (1.30)

	Datasheet	Type
General information	GI_0060	Products and operating conditions
Valve bodies	In-line mounted SB_0018	SB-S3*
Cavity details	SMT_0019	SMT-S3*
Spare parts	SP_8010	

Characteristics measured at v = 40 mm²/s (195 SUS)

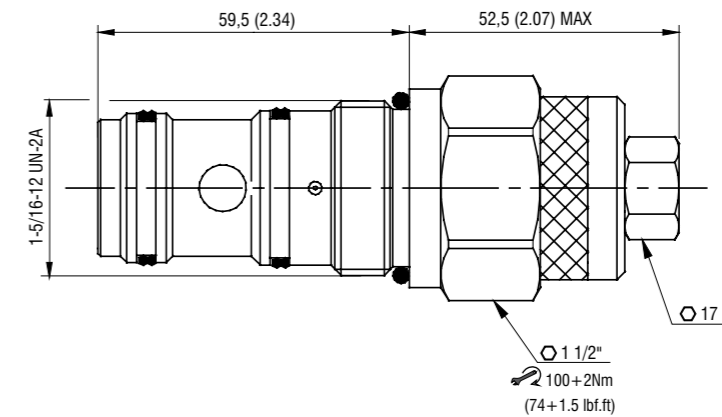
Pressure drop related to flow rate

Pilot ratio 3:1

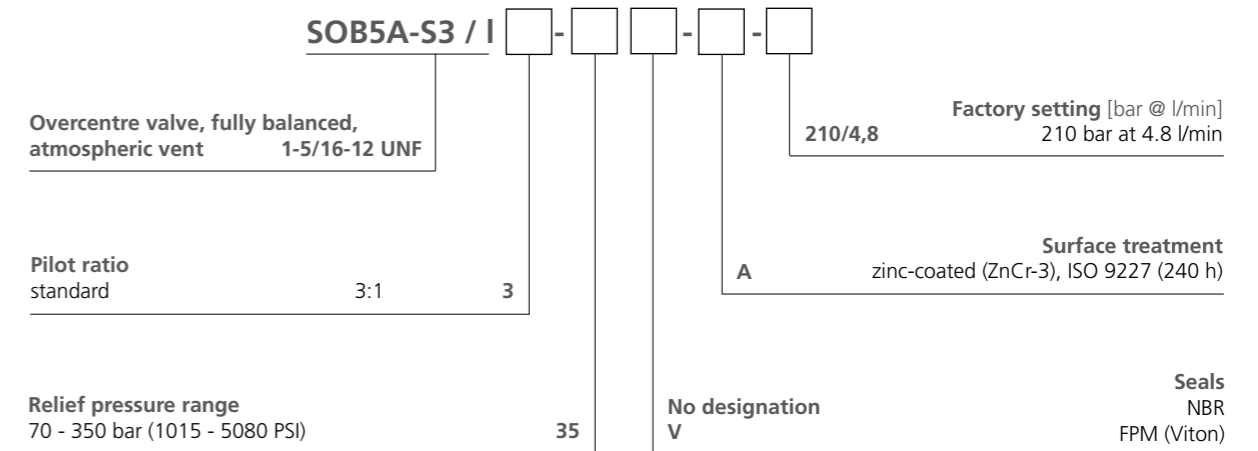


Flow	
1	free flow (2→1)
2	pilot open (1→2)

Dimensions in millimeters (inches)



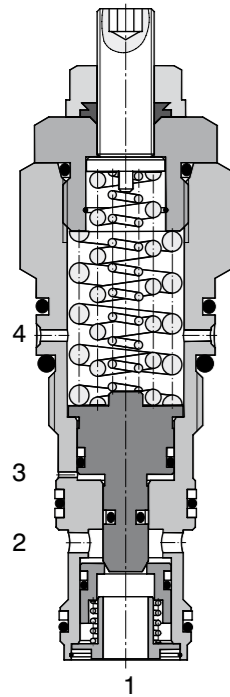
Ordering Code



Overcentre Valve, Fully Balanced, Internal Drain

SOBD5A-R4/I

M27x1.5 • Q_{max} 90 l/min (24 GPM) • p_{max} 350 bar (5100 PSI)

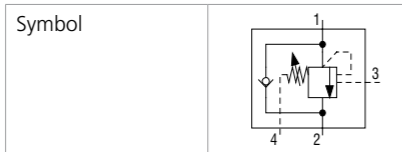


Technical Features

- › The valve prevents runaway ahead of the pump in the event of a negative load
- › Load-holding with leak-free closing poppet when directional valve is in neutral position
- › Pressure relief function protecting the actuator against overload and pressure peaks
- › Integrated check valve acting as an anti-cavitation valve
- › When installed into an actuator the valve can be used as a hose burst valve
- › Back pressure neither affects the relief setting nor the required pilot pressure
- › In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

Poppet type, screw-in motion control valve designed to control the runaway of a negative load. The built-in check valve allows reverse flow into the actuator, which is protected by the internal pressure relief function. Back pressure at port 2 does neither affect the pressure relief setting nor the required pilot pressure. The spring chamber is drained to port 4.



Technical Data

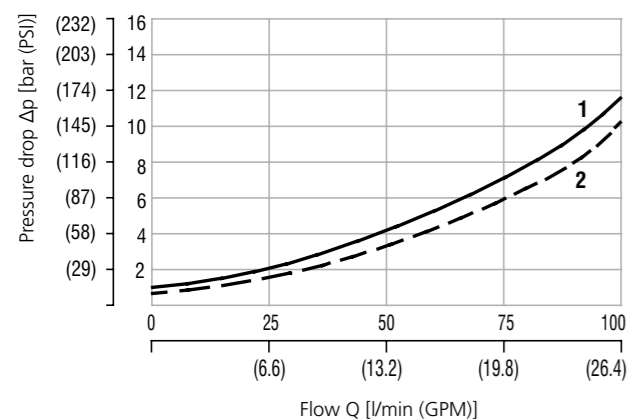
Valve size / Cartridge cavity	M27x1.5 / R4	
Max. flow	l/min (GPM)	90 (23.8)
Max. load induced pressure	bar (PSI)	270 (3920)
Max. relief pressure	bar (PSI)	350 (5080)
Fluid temperature range	°C (°F)	-20 ... +90 (-4 ... +194)
Pilot ratio		4:1
Internal Leakage	ml/min	0.3 nominal (5 drops per min)
Max. degree of fluid contamination	ISO 4406	Class 21/18/13
Mass	kg (lbs)	0.29 (0.64)

	Datasheet	Type
General information	GI_0060	Products and operating conditions
Valve bodies	In-line mounted SB_0018	SB-R4*
Cavity details	SMT_0019	SMT-R4*
Spare parts	SP_8010	

Characteristics measured at v = 40 mm²/s (195 SUS)

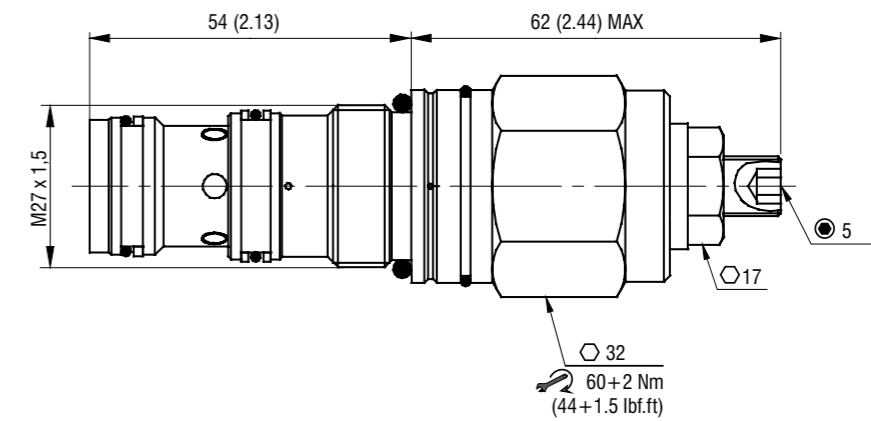
Pressure drop related to flow rate

Pilot ratio 4:1



Flow	Description
1	free flow (2→1)
2	pilot open (1→2)

Dimensions in millimeters (inches)



Ordering Code

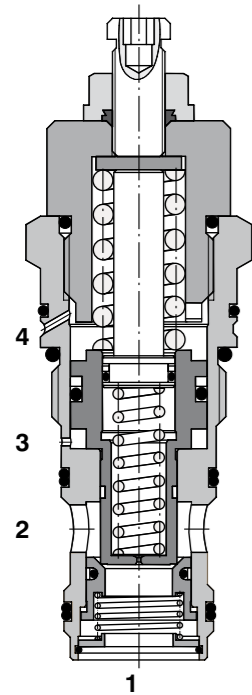
SOBD5A-R4 / I [] - [] - [] - []

- Overcentre valve, fully balanced, internal drain** M27x1.5
- Pilot ratio standard** 4:1 → 4
- Relief pressure range** 200 - 350 bar (2900 - 5080 PSI) → 35
- Factory setting** [bar @ l/min] 210/4,8 → 210 bar at 4.8 l/min
- Surface treatment** A → zinc-coated (ZnCr-3), ISO 9227 (240 h)
- Seals** V → NBR / FPM (Viton)

Overcentre Valve, Fully Balanced, Internal Drain

SOBD5A-S4/I

1-5/16-12 UNF • Q_{max} 180 l/min (48 GPM) • p_{max} 350 bar (5100 PSI)

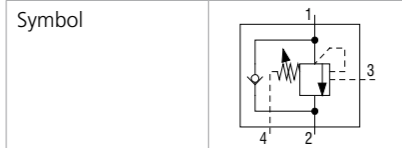


Technical Features

- › The valve prevents runaway ahead of the pump in the event of a negative load
- › Load-holding with leak-free closing poppet when directional valve is in neutral position
- › Pressure relief function protecting the actuator against overload and pressure peaks
- › Integrated check valve acting as an anti-cavitation valve
- › When installed into an actuator the valve can be used as a hose burst valve
- › Back pressure neither affects the relief setting nor the required pilot pressure
- › In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

Poppet type, screw-in motion control valve designed to control the runaway of a negative load. The built-in check valve allows reverse flow into the actuator, which is protected by the internal pressure relief function. Back pressure at port 2 does neither affect the pressure relief setting nor the required pilot pressure. The spring chamber is drained to port 4.



Technical Data

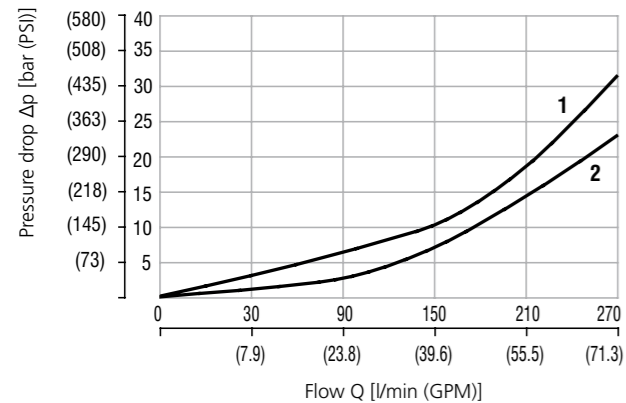
Valve size / Cartridge cavity	1-5/16-12 UNF-2A / S4	
Max. flow	l/min (GPM)	180 (47.6)
Max. load induced pressure	bar (PSI)	270 (3920)
Max. relief pressure	bar (PSI)	350 (5080)
Fluid temperature range	°C (°F)	-20 +90 (-4 ... +194)
Pilot ratio		8:1
Internal Leakage	mil/min	0.3 nominal (5 drops per min)
Max. degree of fluid contamination	ISO 4406	Class 21/18/13
Mass	kg (lbs)	0.56 (1.23)

	Datasheet	Type
General information	GI_0060	Products and operating conditions
Valve bodies	In-line mounted SB_0018	SB-S4*
Cavity details	SMT_0019	SMT-S4*
Spare parts	SP_8010	

Characteristics measured at v = 40 mm³/s (195 SUS)

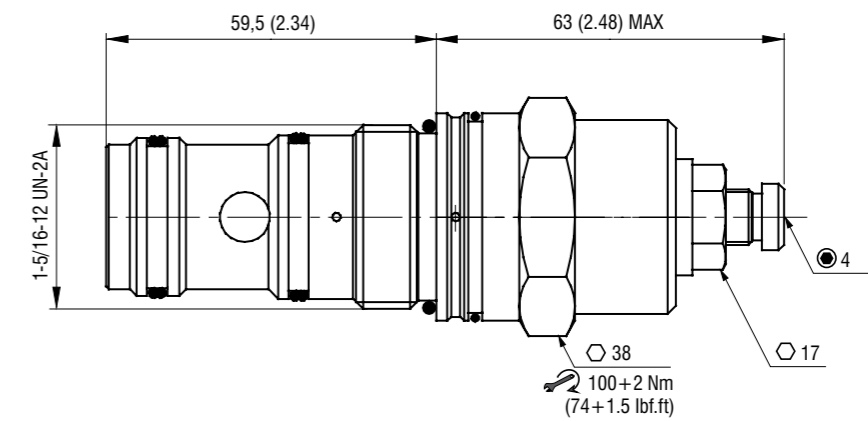
Pressure drop related to flow rate

Pilot ratio 8:1



Flow	Description
1	free flow (2→1)
2	pilot open (1→2)

Dimensions in millimeters (inches)



Ordering Code

