

Solenoid operated valves direct acting spool type
4-way 2-position
Common cavity, Size 08

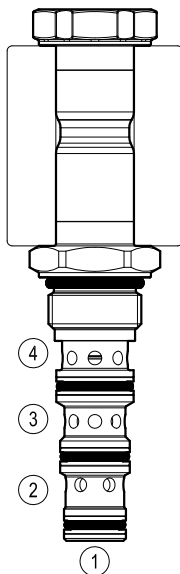
VED-16-08A-42

OD.14 - X - 58 - Y - Z

RE 18324-09

Edition: 03.2020

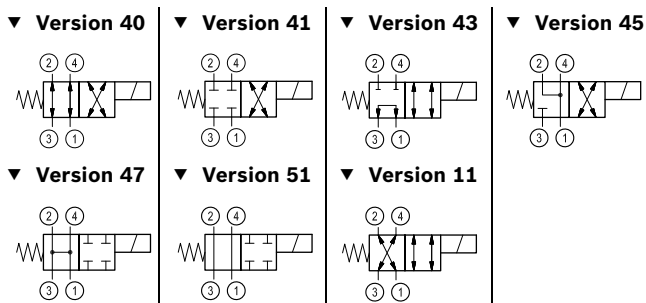
Replaces: 06.2019



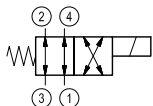
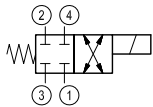
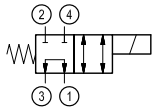
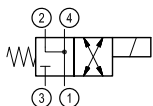
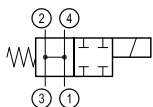
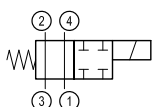
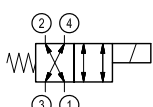
Technical data

General		
Weight		0.14 kg (0.31 lbs)
Installation orientation		Unrestricted
Storage ambient temperature range		-40 to 100 °C (-40 to 212 °F)
Operating ambient temperature range		-30 to 90 °C (-22 to 194 °F)
Salt spray test to DIN EN ISO 9227:2017-07		500h
Hydraulic		
Max. operating pressure		up to 280 bar (4060 psi) *
Max. flow		up to 20 l/min (5 gpm)
Max. internal leakage at 230 bar		40 cm ³ /min. (2.4 cu.in./min.)
Fatigue cycle life		1 million cycles at 250 bar
Fluid temperature range		-20 to 80 °C (-4 to 176 °F)
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 20 to 380 mm ² /s (cSt)		
Installation torque		34 - 39 Nm (25 - 29 ft-lbs)
Recommended degree of fluid contamination		Nominal value max. 10 µm (NAS 8) ISO 4406 19/17/14
MTTFd		150 years see RE 18350-51
Cavity		CA-08A-4N see 18325-70
Seal kit	code material no.	RG08A4010530100 R930005582
Seal kit coil and standard cap	code material no.	RG02Z0010000100 R930067869
Other technical data		See data sheet 18350-50
Electrical		
Type of voltage		DC voltage
Coil type		D36
Supply voltage		See data sheet 18325-90
Admitted voltage tolerance: -10% / +25% of nominal voltage at 60°C amb. T		
Power consumption		20 W
Type of protection		See data sheet 18325-90
Note: Coils must be ordered separately		

* See performance limits at page 3.



Ordering code

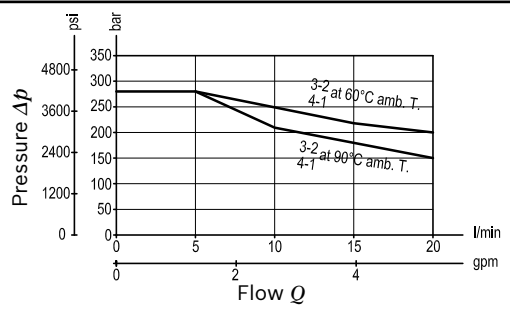
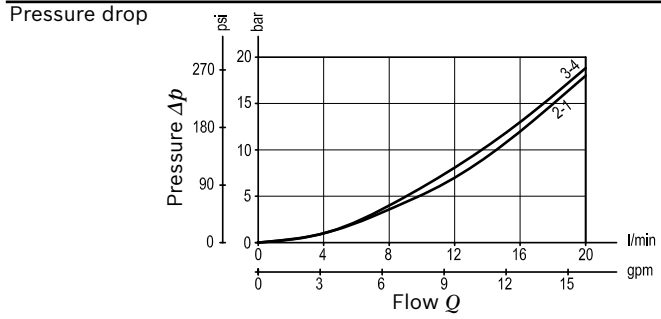
OD.14	X	58	Y	Z	0000	*
Solenoid operated valves direct acting spool type 4-way 2-position						Series O/A to L unchanged performances and dimensions
	40					0 = With Buna seal V = With Viton seal
	41					
	43					
	45					A = Standard D = Knob style manual override
	47					Common cavity: CA-08A-4N
	51					
	11					

Type	Material number
OD144058A000000	R930058339
OD144058D000000	R930058713
OD144158A000000	R930058701
OD144158D000000	R930058711
OD144358A000000	R930058699
OD144358D000000	R930058714
OD144558A000000	R930058700
OD144558D000000	R930058712

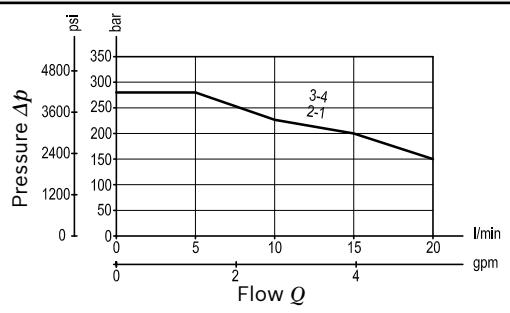
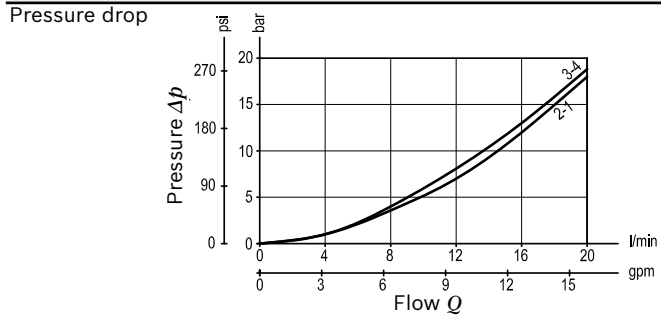
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Characteristic curves

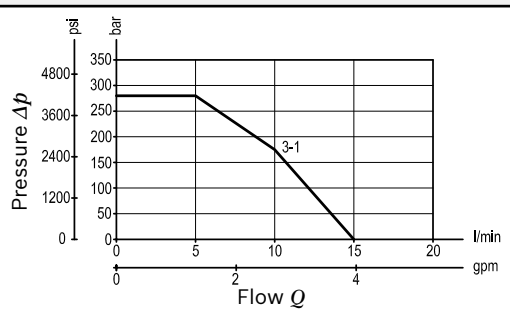
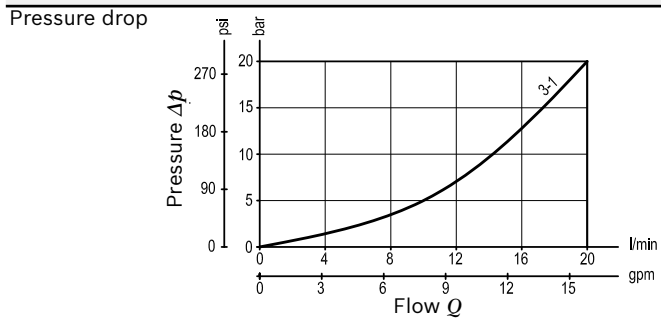
Version 40 Performance limits at 100% duty cycle



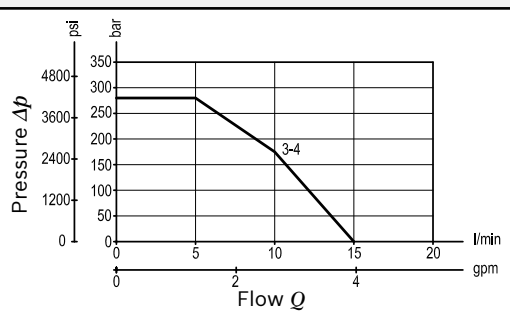
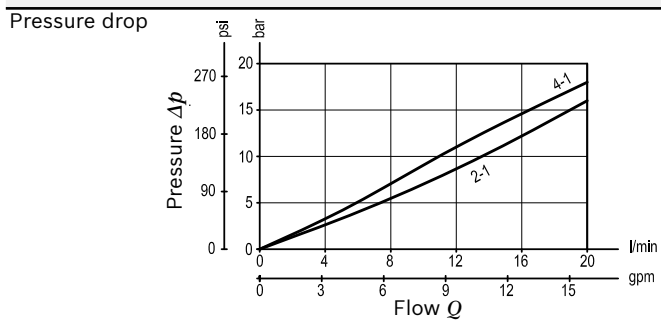
Version 41 Performance limits at 100% duty cycle at 90°C and 60°C amb. T.



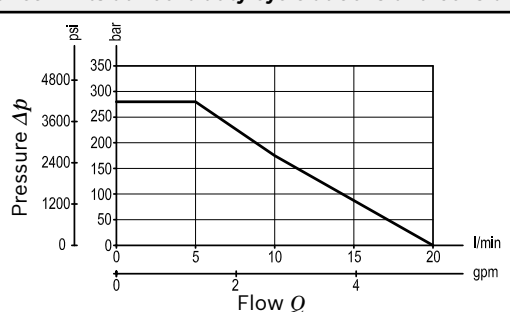
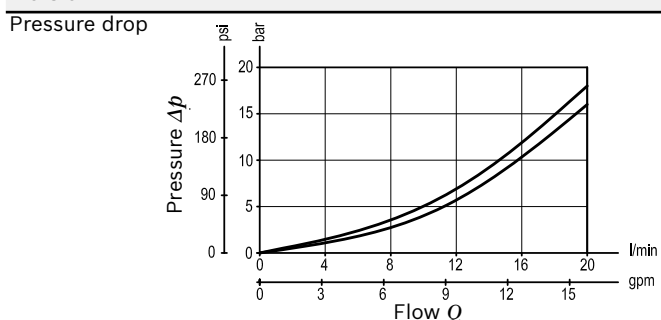
Version 43 Performance limits at 100% duty cycle at 90°C and 60°C amb. T.



Version 45 Performance limits at 100% duty cycle at 90°C and 60°C amb. T.

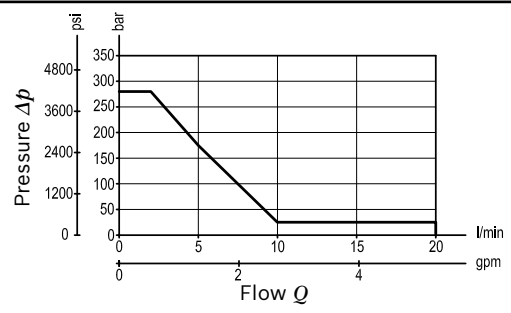
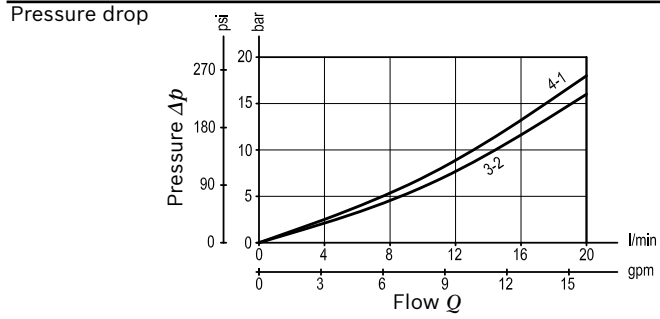


Version 47 Performance limits at 100% duty cycle at 90°C and 60°C amb. T.

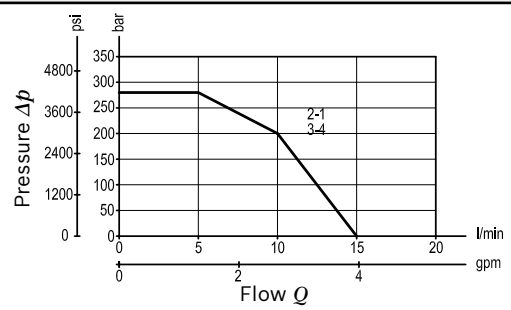
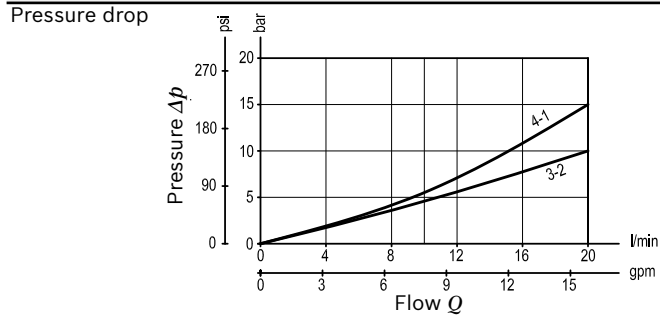


Characteristic curves

Version 51 Performance limits at 100% duty cycle



Version 11 Performance limits at 100% duty cycle at 90°C and 60°C amb. T.



Minimum switching voltage for all versions and 100% ED	
Amb. T	Voltage required
60°C	-10% of V nominal
90°C	V nominal

Note: in case of need of performance limits at specific different working conditions, please consult factory.

Dimensions

**Solenoid operated valves, direct acting
spool type 4-way 2-position**

