

# Solenoid operated valves direct acting spool type 4-way 3-position Common cavity, Size 08

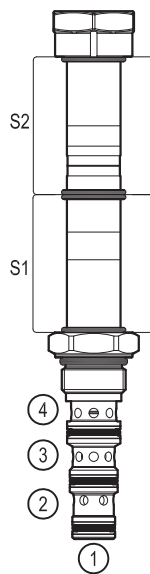
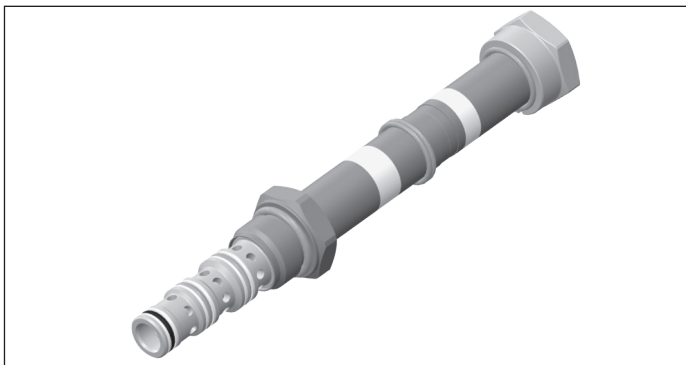
VED-16-08A-43

OD.14 - X - 58 - Y - Z - 00

**RE 18324-10**

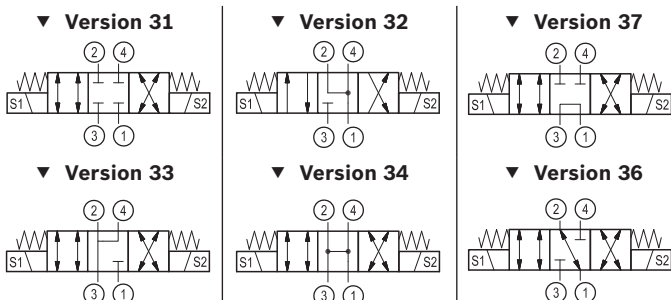
Edition: 02.2022

Replaces: 08.2021



## 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)
Hydraulic	
Max. operating pressure	up to 280 bar (4060 psi)
Max. admitted pressure port 1	50 bar (725 psi)
Max. flow	up to 15 l/min (4 gpm)
Max. internal leakage at 230 bar	40 cm <sup>3</sup> /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 <sup>2</sup> /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 for X= 31,32	code RG08A4010530100 material no. R930005582
Seal kit coil without cap	code RG01Z0010000100 material no. R930058940
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	



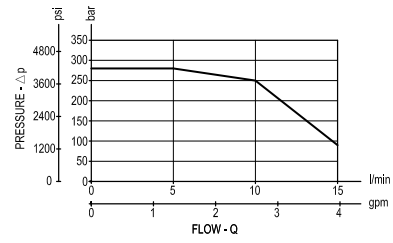
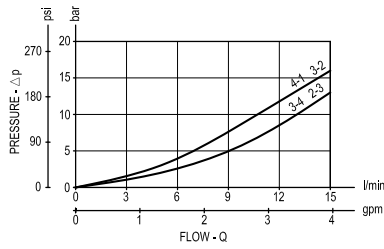
\* Valid only for Y=A=Standard



## Characteristic curves

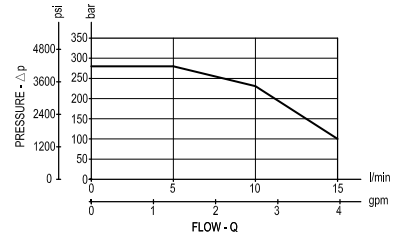
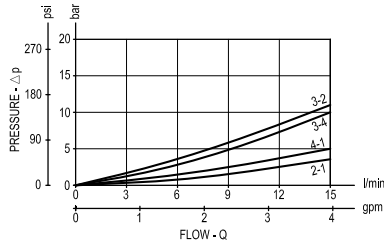
**Version 31**

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



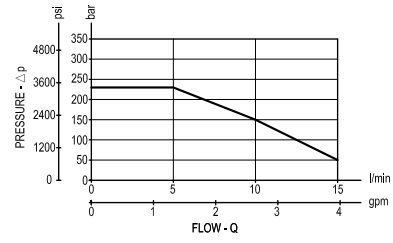
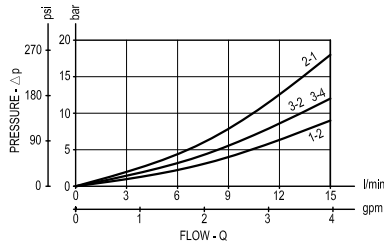
**Version 32**

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



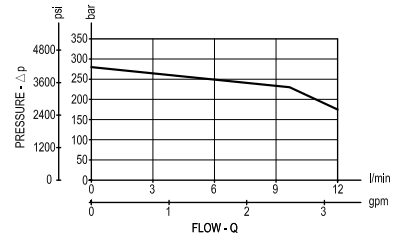
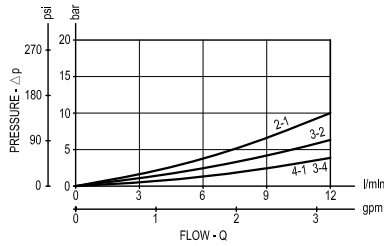
**Version 37**

**Performance limits at 100% duty cycle at 45°C amb. T.**



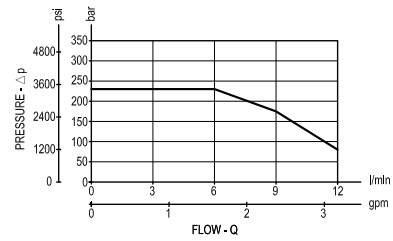
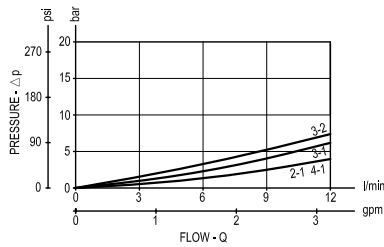
**Version 33**

**Performance limits at 100% duty cycle at 60°C amb. T.**



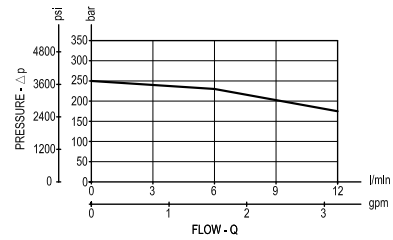
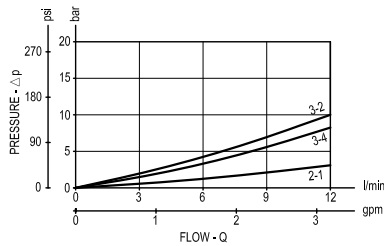
**Version 34**

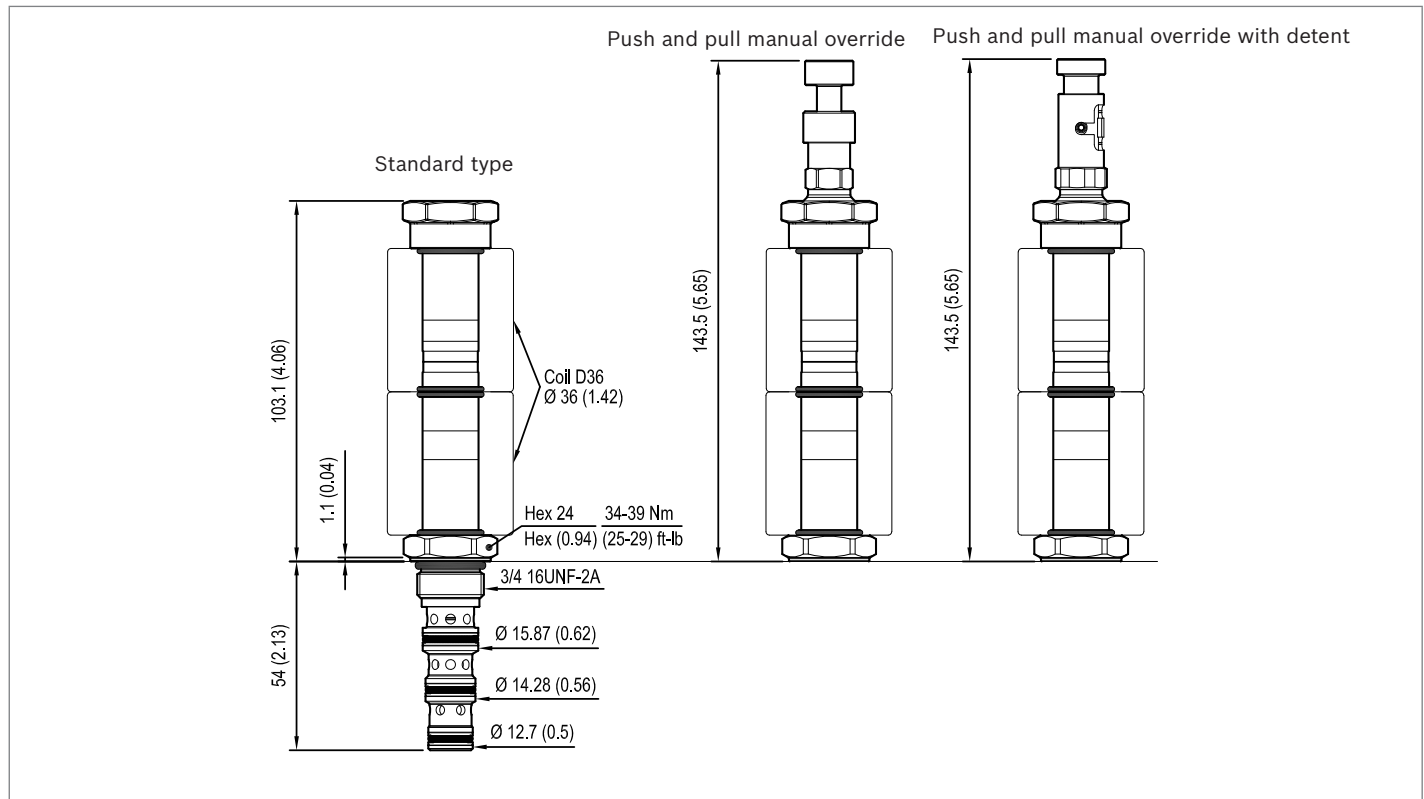
**Performance limits at 100% duty cycle at 60°C amb. T.**



**Version 36**

**Performance limits at 100% duty cycle at 60°C amb. T.**



**Dimensions****Solenoid operated valves, direct acting  
spool type 4-way 3-position****Bosch Rexroth Oil Control S.p.A.**

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