

Part number:



HYDROMA

HYDRAULICKÉ SYSTÉMY

**HIDROMA
SYSTEMS**

UKŁADY HYDRAULICZNE

HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

Solenoid operated valves direct acting spool type 3-way 2-position Common cavity, Size 08

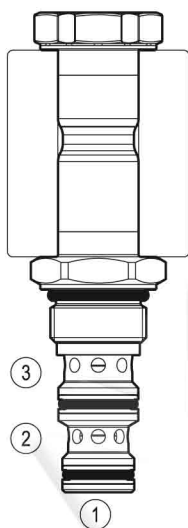
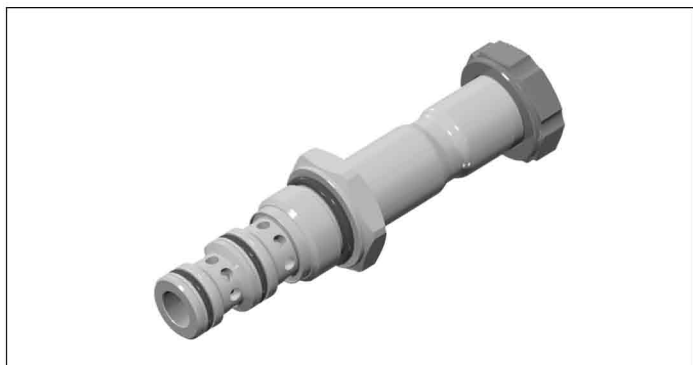
VED-16-08A-32

OD.13 - X - 51 - Y - Z

RE 18324-08

Edition: 01.2023

Replaces: 06.2019



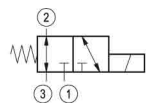
Technical data

General	
Weight	0.13 kg (0.29 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. 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-3N see 18325-70
Seal kit	code material no. RG08A3010530100 R901101723
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

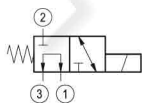
Note: Coils must be ordered separately

* See performance limits at page 3.

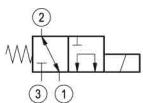
▼ Version 10



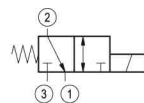
▼ Version 20



▼ Version 30



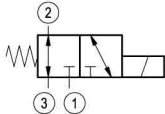
▼ Version 11

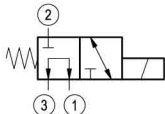


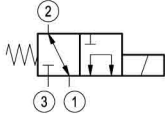
Ordering code

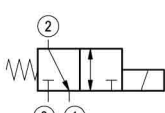
OD.13	X	51	Y	Z	0000	*
--------------	----------	-----------	----------	----------	-------------	----------

Solenoid operated valves
direct acting spool type
3-way 2-position

**10**

**20**

**30**

**11**

Series O/A to L
unchanged performances and dimensions

0 = With Buna seal
V = With Viton seal

A = Standard
D = Knob style manual override

Common cavity: CA-08A-3N

Type	Material number
OD131051A000000	R930058342
OD131051D000000	R930058707
OD131151A000000	R930058704
OD131151D000000	R930058708
OD132051A000000	R930058703

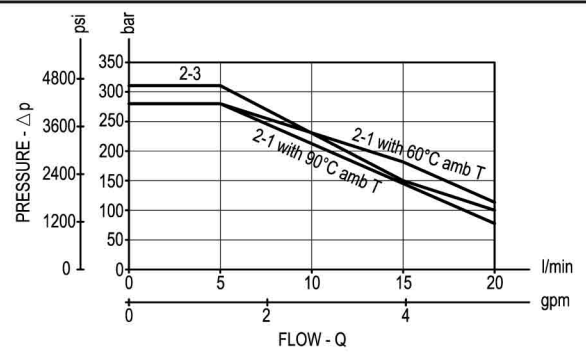
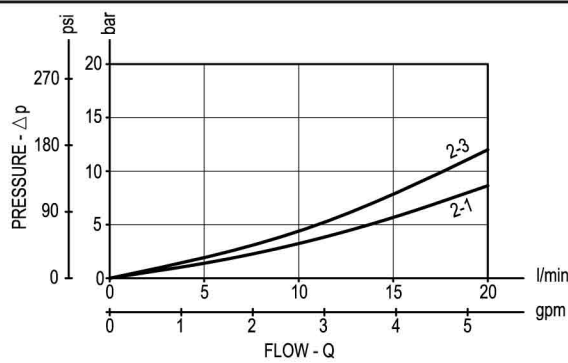
Type	Material number
OD132051D000000	R930058709
OD133051A000000	R930058702
OD133051D000000	R930058710

Characteristic curves

Version 10

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

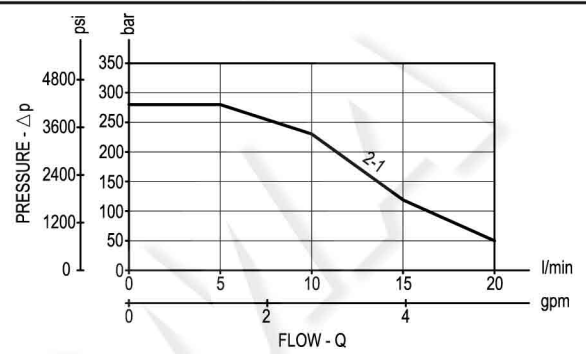
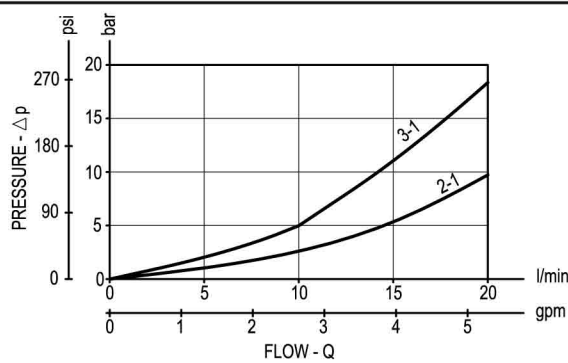
Pressure drop



Version 20

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

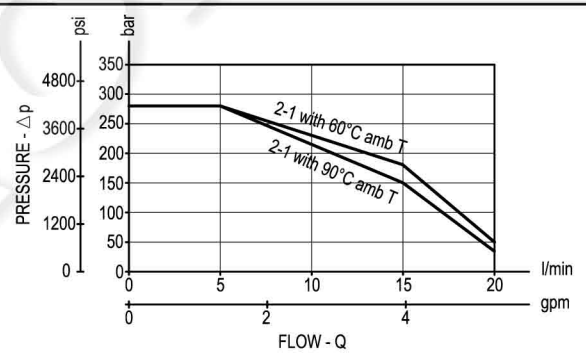
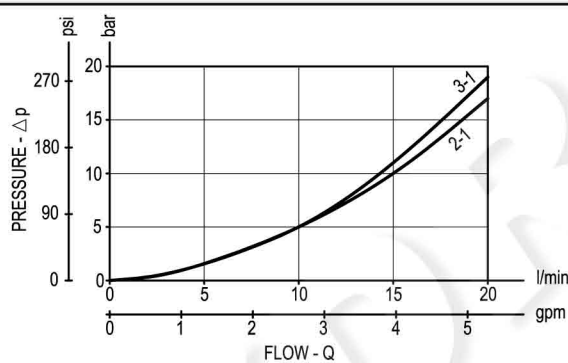
Pressure drop



Version 30

Performance limits at 100% duty cycle

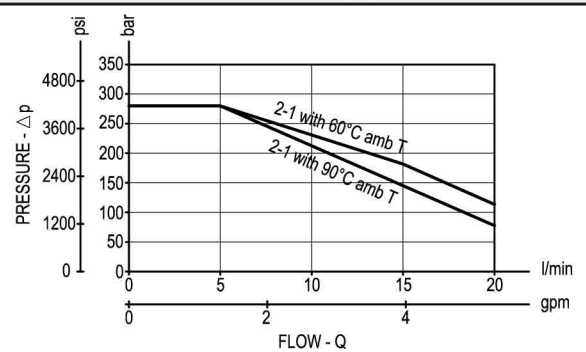
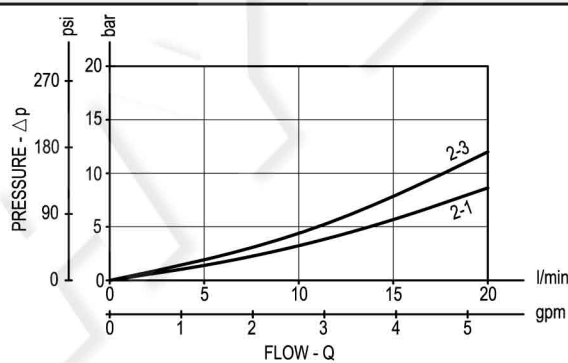
Pressure drop



Version 11

Performance limits at 100% duty cycle

Pressure drop



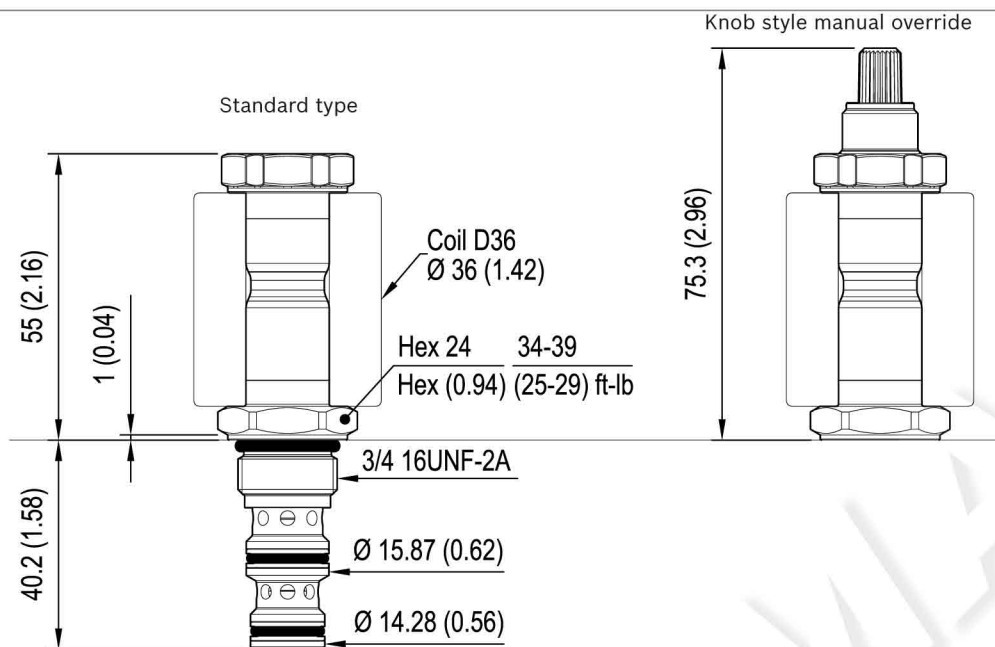
Minimum switching voltage for all versions at 100% ED

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 3-way 2-position



only version 11

