

M12x1 • p_{max} 320 bar (4641 PSI) • Q_{max} 20 L/min (5.28 GPM)

Screw-in cartridge design

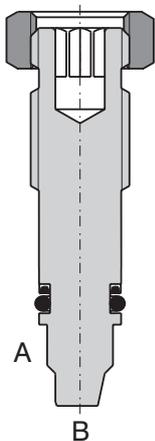
Use :
- Metering in one direction
- Metering in both directions

Flow rate set by adjustment screw internal to hexagon lock-nut

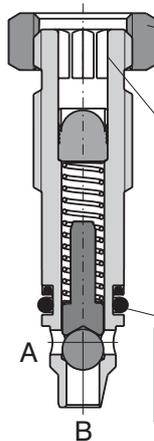


Functional Description

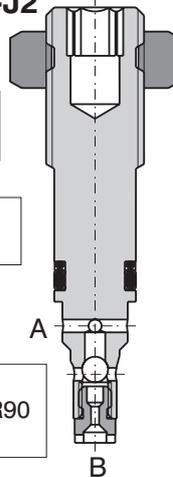
VSV2-1



VSV2-J1



VSV2-J2



Lock-nut
outside HEX 19

Screw
inside HEX 6

Seals
6,73x9,43x1,14 NBR90
6,9x1,8 NBR70

Throttle valve VSV2 is used to control the flow in a hydraulic system in one or both directions.

- 1) A higher sensitivity control is achieved by using the M12x1 screw thread
- 2) After loosening the lock nut the valve may be screwed out only up to the red marked safety notch; otherwise the valve could get completely unscrewed leading to working fluid escape.

Ordering Code

Screw-in Cartridge Throttle Valve

VSV2 - /

1 without check valve
J1 with check valve, non regulated flow B→A
J2 with check valve, non regulated flow A→B

Model

M12x1

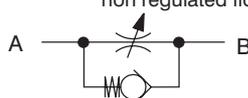
Thread
M12x1

Functional Symbols

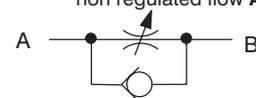
VSV2-1 without check valve



VSV2-J1 with check valve, non regulated flow B→A



VSV2-J2 with check valve, non regulated flow A→B



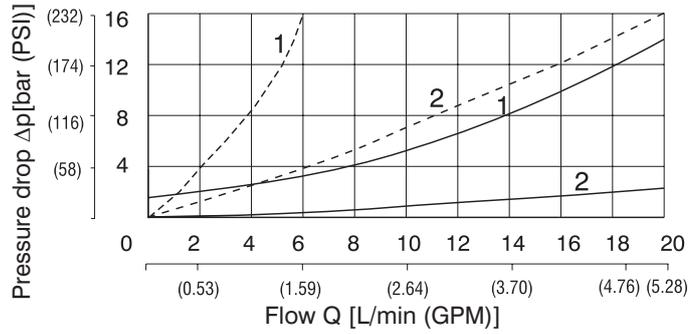
Technical Data

Nominal size	mm	M12x1
Max. operating pressure	bar (PSI)	320 (4641)
Hydraulic fluid		Hydraulic oils of power classes (HL, HLP) to DIN 51 524
Fluid temperature range	°C (°F)	-30 ... +100 (-22 ... +212)
Viscosity range	mm ² /s	20 ... 400
Maximum degree of fluid contamination		Class 21/18/15 to ISO 4406
Weight	kg (lbs)	0,11 (0.243)
Mounting position		unrestricted

Δp Characteristics

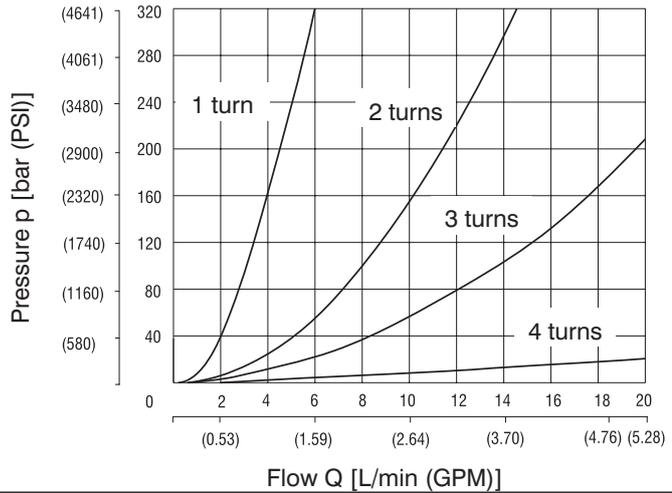
Measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

VSV2-J1 - Flow direction B → A ———
 VSV2-J2 - Flow direction A → B - - - - -
 1 - Throttle valve closed
 2 - Throttle valve open



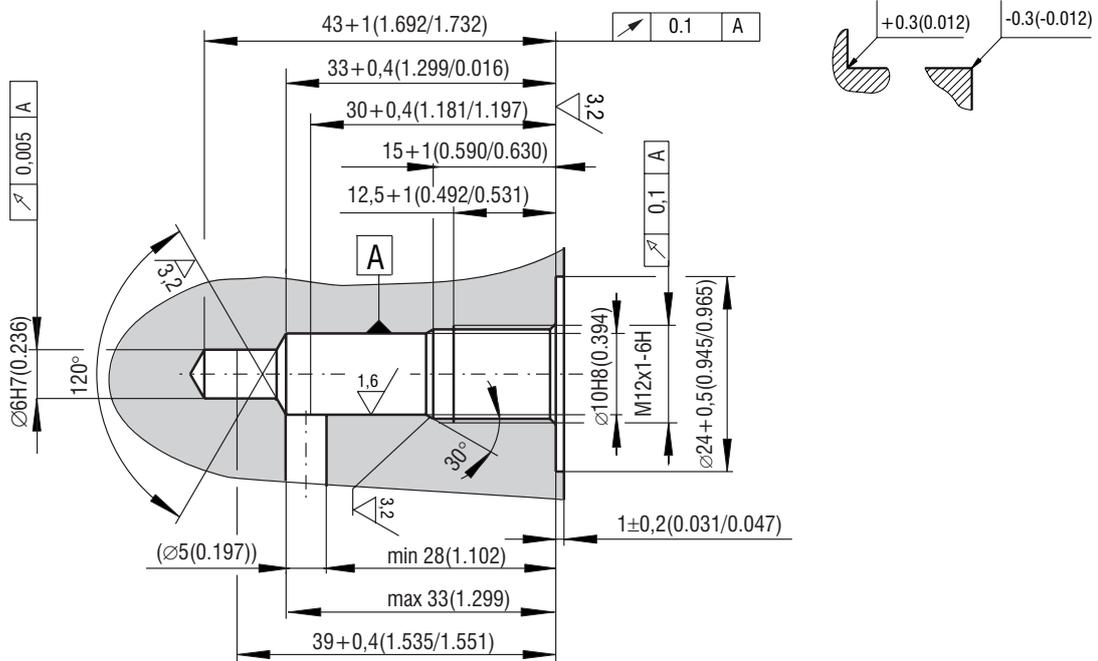
p-Q Characteristics

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



Cavity

Dimensions in millimeters (inches)



Caution!

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any way as a guaranteed representation of the product properties in any legal sense.

ARGO-HYTOS s.r.o. CZ - 543 15 Vrchlaví
 Tel.: +420-499-403111, Fax: +420-499-403421
 E-mail: sales.cz@argo-hytos.com
 www.argo-hytos.com