



# Shuttle Valves

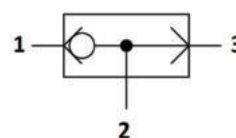
## SH.V0.G12 Valve Series

**GAS Cartridge - 350 Bar**

**Direct acting - Ball Type**

### Description & Operation

Shut-off valves for hydraulics systems, with two inlets and one outlet. Ball seat construction, automatic switching. The inlet with the higher pressure (port 1 or 3) is directly connected to tank (port 2), while the second inlet (port 3 or 1) is shut off.

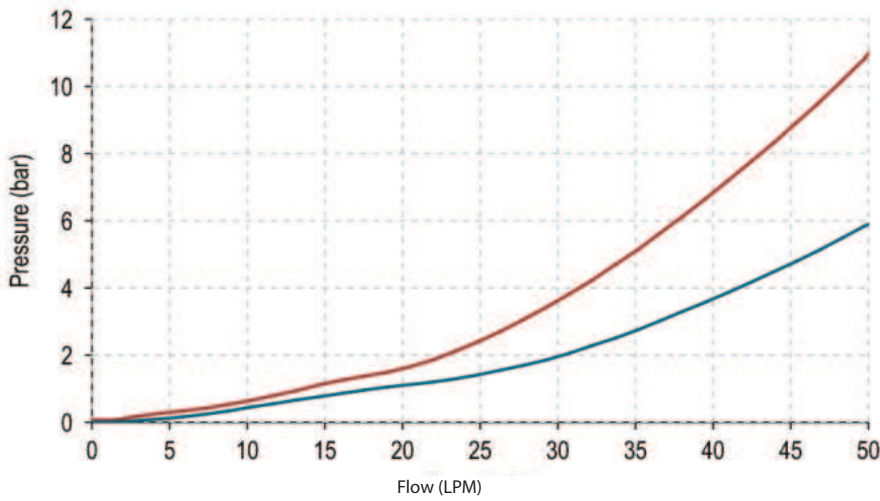


Hydraulic Symbol

### Technical Data

Maximum operating pressure	350 Bar
Maximum flow	50 LPM
Maximum internal leakage	0.25 cm <sup>3</sup> / min @ 350 Bar
External component treatment	Zn/Fe - standard (96h) Zn/Ni (720h)
O-ring Temperature Range	-30° C to 110° C (standard sealing NBR - BUNA-N)
Oil Temperature Range	-30° C to 110° C
Fluids	Mineral - based or synthetics with lubricating properties
Viscosities	7.4 to 420 cSt
Filtration	20/18/15 ISO 4406 (maximum filtration admitted)
Orientation	No restrictions
Installation torque	20-22 Nm (Hex. 8)
Oil testing condition	ISO VG 46 cSt
Seal kit code	SLKT.026
Weight	0.051 kg

 Performance Curve

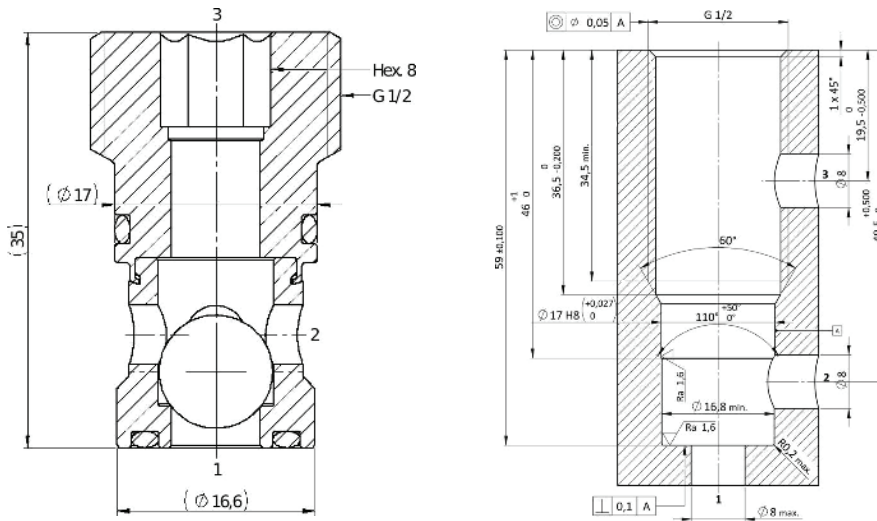


NOTE:

The performance chart illustrates flow handling capacity in max flow condition. p/Q curves are recorded at TOil = 40°C and 46 cSt.

 Dimensional Drawing

Cross Section and Cavity Details



 Ordering Code

S H • V O • G 1 4 • 0 \* • \* \* \*

valve basic code

Cavity  
G12=GAS G1/2

000=Standard configuration