LV1-063/M

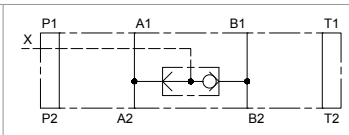
Size 06 (D03) • Q_{max} 40 l/min (11 GPM) • p_{max} 320 bar (4600 PSI)

Technical Features

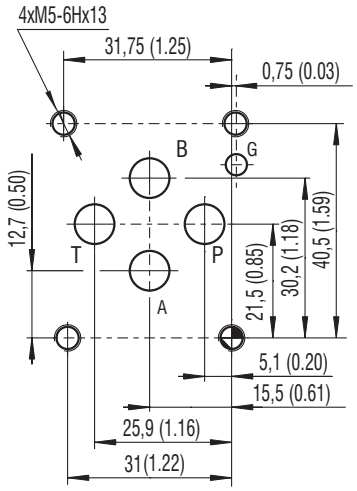
- Load shuttle valve, ball type with subplate mounting interface acc. to ISO 4401, DIN 24340 (CETOP 03)
- Sandwich plate design for use in vertical stacking assemblies
- Rapid response to changes in load direction
- Hardened precision parts
- Sharp-edged steel seats for dirt-tolerant performance
- Leak-free closing, suitable for durable fast-cycling
- High flow capacity
- In the standard version, the valve housing is phosphated and steel parts are zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

This high pressure shuttle valve in sandwich design is used in vertical stack assemblies to prioritize flows of higher pressure over those with lower pressure. Tightness between ports 1 and 3 is ensured by a sharp-edge steel valve seat.

Symbol	

ISO 4401-03-02-0-05



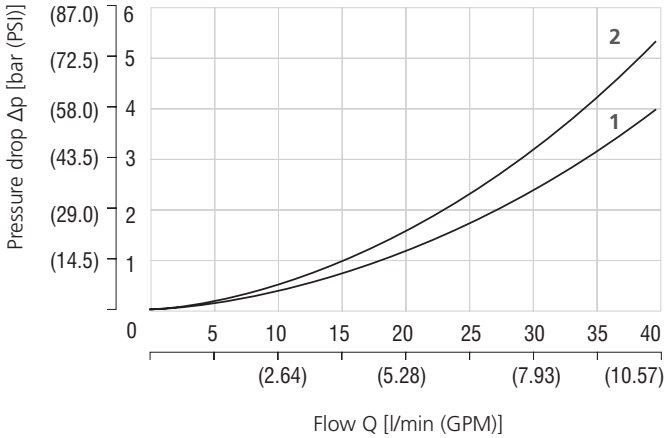
Ports P, A, B, T max. ∅7.5 mm (0.29)

Technical Data

Valve size		06 (D03)
Max. flow	l/min (GPM)	40 (10.6)
Max. operating pressure	bar (PSI)	320 (4640)
Fluid temperature range (NBR)	°C (°F)	-30 .... +100 (-22 ... +212)
Fluid temperature range (FPM)	°C (°F)	-20 .... +120 (-4 ... +248)
Weight	kg (lbs)	1.17 (2.58)
	Datasheet	Type
General information	GI_0060	Products and operating conditions
Mounting interface	SMT_0019	Size 06
Spare parts	SP_8010	

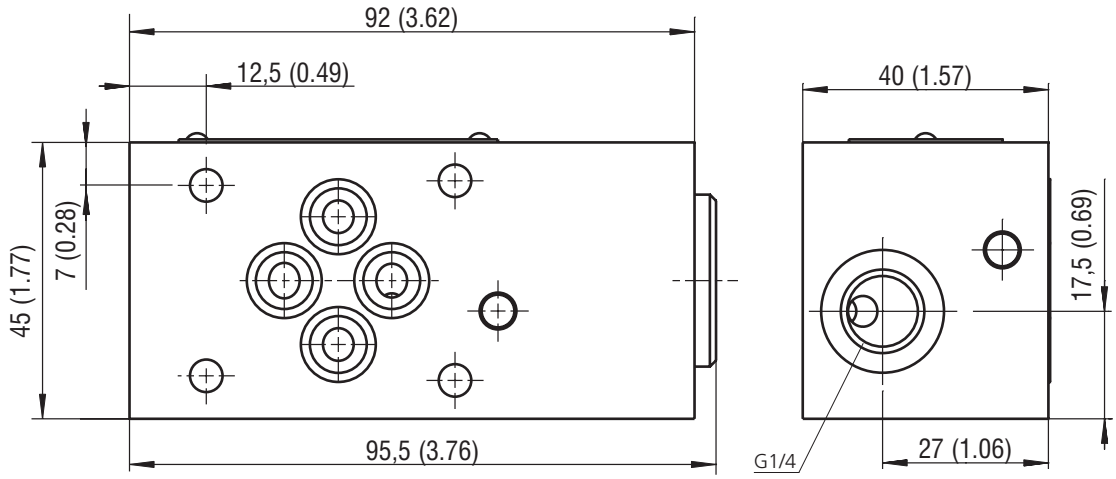
Characteristics measured at ν = 32 mm²/s (156 SUS)

Pressure drop related to flow rate



	Flow direction
1	A → X
2	B → X

Dimensions in millimeters (inches)



Ordering Code

LV1-063 / M □ - □

Load shuttle valve, ball type, modular

Model
sandwich plate design

No designation
V

Seals
NBR
FPM (Viton)

Surface treatment
No designation standard
A zinc-coated (ZnCr-3), ISO 9227 (240 h)
B zinc-coated (ZnNi), ISO 9227 (520 h)