

Load Shuttle Valve, Ball Type, Modular

LV1-063/M

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

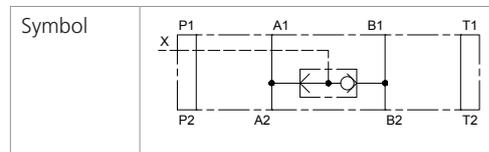


Technical Features

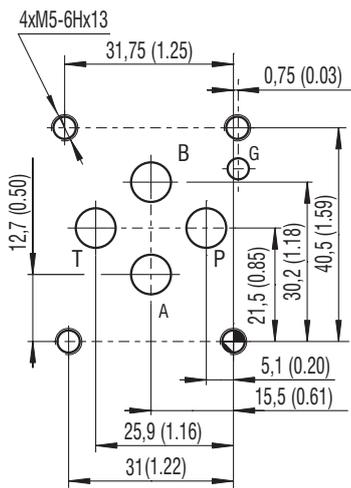
- › Load shuttle valve, ball type with subplate mounting interface acc. to ISO 4401, DIN 24340 (CETOP 03)
- › Sandwich plate design for use in vertical stacking assemblies
- › Rapid response to changes in load direction
- › Hardened precision parts
- › Sharp-edged steel seats for dirt-tolerant performance
- › 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 (240 h corrosion protection in NSS 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.



ISO 4401-03-02-0-05



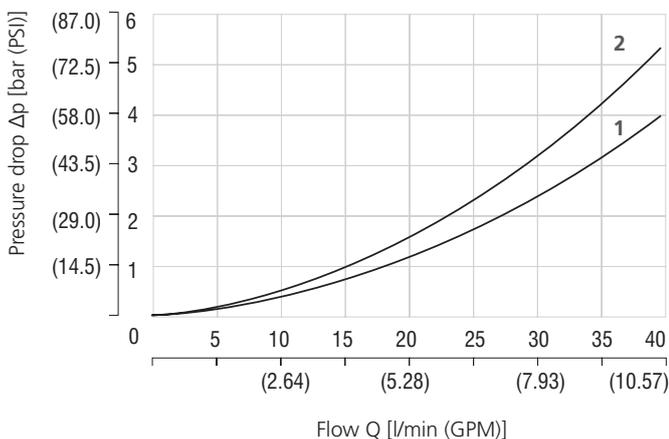
Ports P, A, B, T max. Ø7.5 mm (0.29)

Technical Data

Valve size	06 (D03)	
Max. flow	l/min (GPM)	40 (10.6)
Max. operating pressure	bar (PSI)	320 (4600)
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	HA 0060	Products and operating conditions
Mounting interface	HA 0019	Size 06
Spare parts	HA 8010	

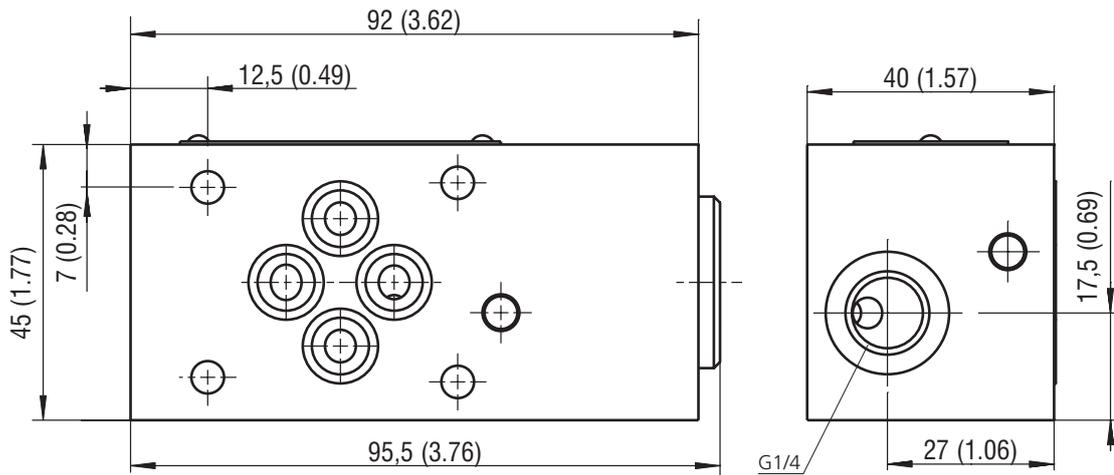
Characteristics measured at v = 32 mm²/s (156 SUS)

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

Valve size

Model
sandwich plate design

No designation

A zinc-coated (ZnCr-3), ISO 9227 (240 h)
B zinc-coated (ZnNi), ISO 9227 (520 h)

Surface treatment
standard

No designation
V

Seals
NBR
FPM (Viton)