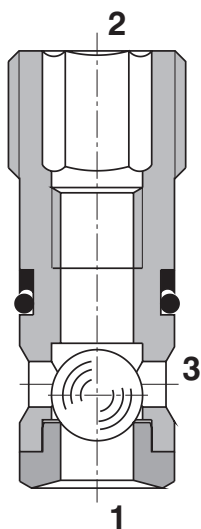


## Load Shuttle Valve, Ball Type

# LV1-043

G1/8 • Q<sub>max</sub> 8 l/min (2 GPM) • p<sub>max</sub> 500 bar (7300 PSI)

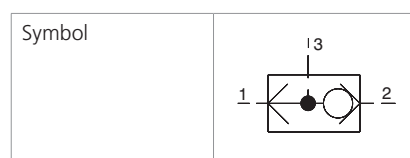


### Technical Features

- › 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
- › Compact design for a restricted installation space
- › In the standard version, the valve is without surface coating

### Functional Description

A high pressure shuttle valve in the form of a screw-in cartridge. This valve prioritizes the respective higher pressure signal from either port 1 or 2. Tightness between ports 1 and 3 is ensured by a sharp-edge steel valve seat.



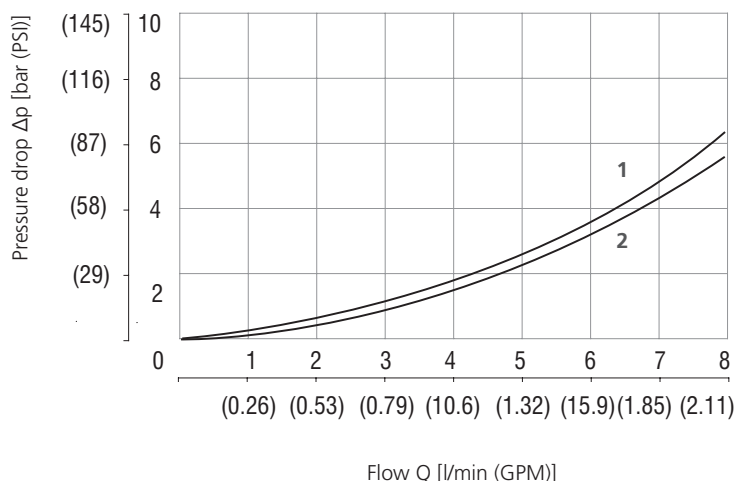
### Technical Data

| Valve size / Cartridge cavity |             | G1/8 / QY3                   |
|-------------------------------|-------------|------------------------------|
| Max. flow                     | l/min (GPM) | 8 (2.1)                      |
| Max. operating pressure       | bar (PSI)   | 500 (7250)                   |
| Fluid temperature range (NBR) | °C (°F)     | -30 .... +100 (-22 ... +212) |
| Fluid temperature range (FPM) | °C (°F)     | -20 .... +120 (-4 ... +248)  |
| Weight                        | kg (lbs)    | 0.01 (0.022)                 |

|                     |                 | Datasheet | Type                              |
|---------------------|-----------------|-----------|-----------------------------------|
| General information |                 | GI_0060   | Products and operating conditions |
| Valve bodies        | In-line mounted | SB_0018   | On request                        |
| Cavity details      |                 | SMT_0019  | SMT-QY3*                          |
| Spare parts         |                 | SP_8010   |                                   |

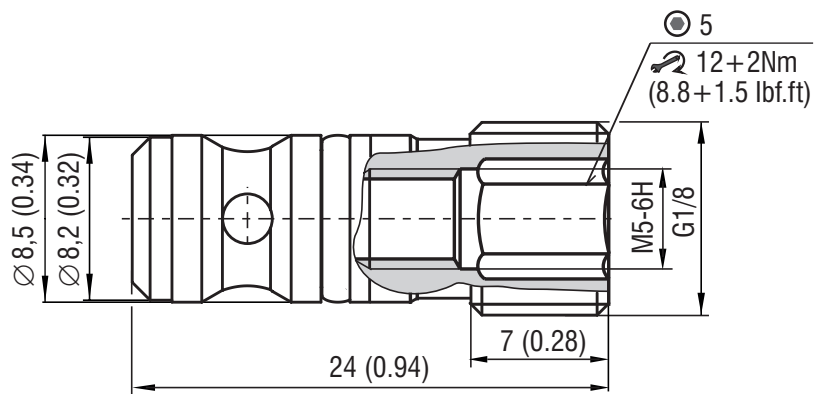
### Characteristics measured at v = 32 mm<sup>2</sup>/s (156 SUS)

#### Pressure drop related to flow rate



|   | Flow direction |
|---|----------------|
| 1 | 2→3            |
| 2 | 1→3            |

Dimensions in millimeters (inches)



Ordering Code

