

LMP-08-3B-L

Manual 3-Way Pull-to-open
Directional Valve

DESCRIPTION

A cartridge-style manual 3-way pull-to-shift directional valve

OPERATION

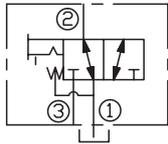
In its steady-state, spring-offset position, the valve directs flow from ② to ①, while blocking at ③.

In the actuated (pulled) position, the cartridge directs flow from ③ to ②, blocking ①. The spring chamber is vented at ①.

Note: Pressure at port ①, will directly act on the spool and spring. Port ① is intended to be a tank port only.

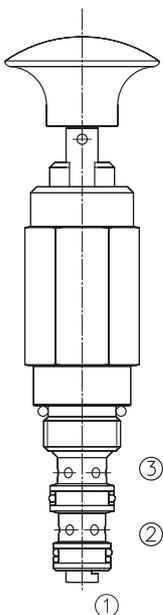
A unique pull-and-rotate feature for holding the positive actuated position is optional. A 90° rotation is required to position at the hold slot. The valve resets to spring-return de-actuated with a slight pull and a 90° turn from the locked actuated position.

SYMBOL

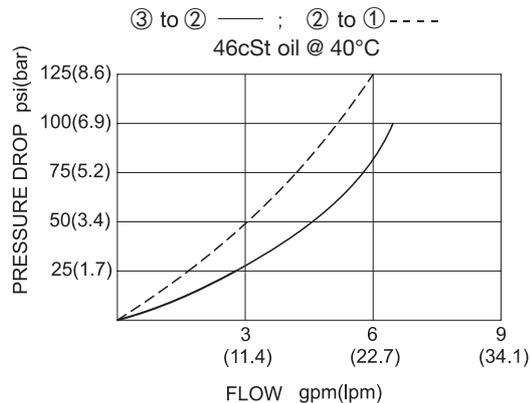


SPECIFICATIONS

| | |
|--------------------|--|
| Operating Pressure | port ③&②: 240 bar; port ①max.: 14 bar |
| Flow | See PRESSURE DROP VS.FLOW graph. |
| Internal Leakage | 82 cc/min max. at 240bar |
| Temperature | -40°F to +250°F(-40°C to +120°C) |
| Filtration | See page N-1 |
| Fluids | Mineral-based fluids with viscosities of 7.4 to 420 cSt. |
| Cavity | 08-3, See page M-1 |
| Housing Material | 6061-T6 aluminum alloy rated to 207bar, Steel & Ductile iron rated to 350bar |

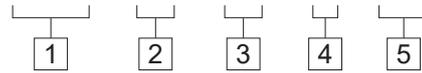


PRESSURE DROP VS.FLOW



TO ORDER

LMP - 08 - 3B - L - * *



1 Function

LMP=Manual, Spring
Return, Pull-to-Shift

2 Size

08=08 Size

3 Flow Path

3B=3-Way

4 Type

L=Red plastic knob/Lock position pin

5 Port Size

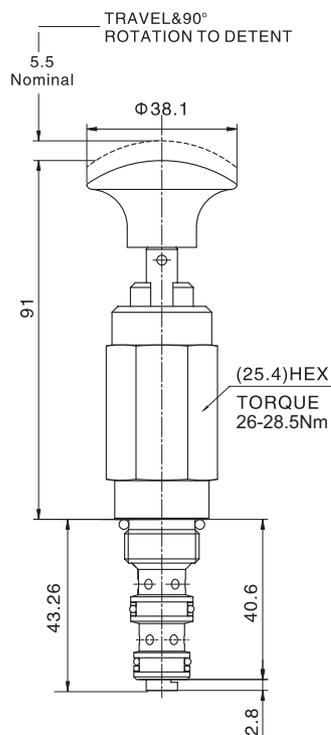
Omit=None
4T=SAE4
6T=SAE6
2G=G 1/4
3G=G 3/8

※ See page K-2 for detail of housing
※ Other port sizes are available

D

INSTALLATION DIMENSIONS

Unit=Millimeters



During installation, pilot drill $\Phi 12.7$ mm is required with min depth of 46mm.
Orifice disc could not be used with this valve