HYMP08-40 (Manual Cartridge Valve)

Description

A cartridge-style manual 4-way, pull-to-shift, directional valve.

Operatio

In its steady–state, spring–offset position, the valve directs flow from $\, \Im \,$ to $\, 2 \,$, and from

4 to 1 . In the actuated (pulled) position, the cartridge directs flow from 3 to 4 ,and

from 2 to 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. Series operation is prohibited due to the tank port ① pressure rating.

A unique pull-and-rotate feature for holding the positive actuated position is optional.

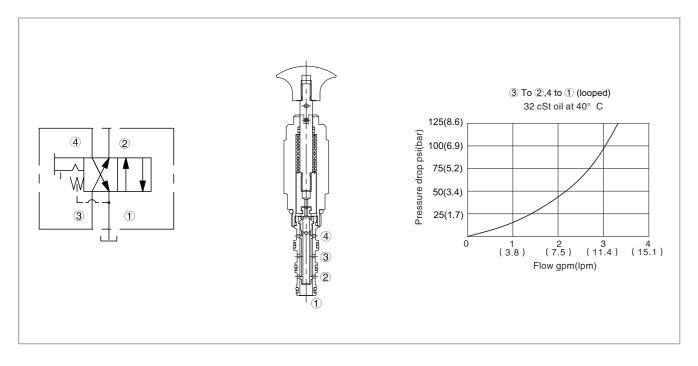
A 90 $^{\circ}\!\text{C}$ rotation is required to position at the hold slot. The valve resets to spring–return

de-actuated with a slight pull and a 90°C turn from the locked actuated position.

Specifications

Operating pressure:	Port ② 、③ and ④ (on ② ,③ and ④): 240 bar
	Port ① max pressure (on ① Max.) : max.at 14 bar
Flow:	See pressure drop vs.flow graph
Internal leakage:	82 cc/min. max. at 240 bar
Temperature:	(–40℃ To +120℃) with NBR material seals
Fluids:	Mineral-based fluids with viscosities of 7.4 to 420 cSt.
Cavity:	HY08-4,see page H.1.3
Body material:	6061-T6 Aluminum alloy rated to 207 bar, steel & ductile iron rated to 350 bar

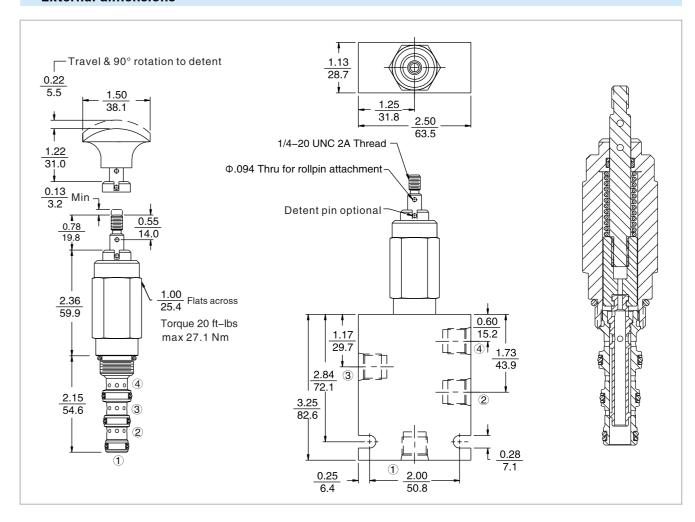
Code symbol, profile and pressure drop vs.flow



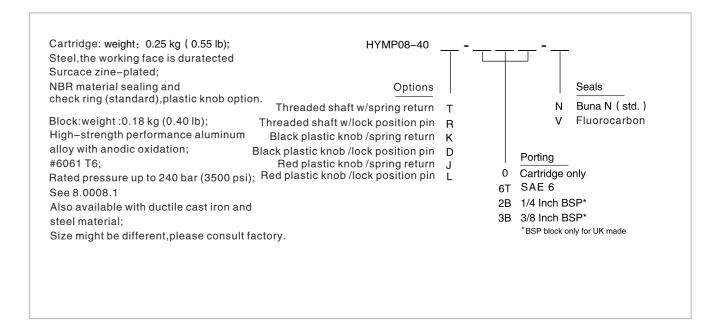


HYMP08-40 (Manual Cartridge Valve)

External dimensions



Material science and order model



C.19.1