

HYSV08-20J (2/2 Solenoid Valve,Normally Closed)

Description

A solenoid operated, 2-way, 2-position, normally closed, poppet-type cartridge valve.

Operation

When de-energized, the valve acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①. When energized, the poppet lifts to open the ② to ① flow path.

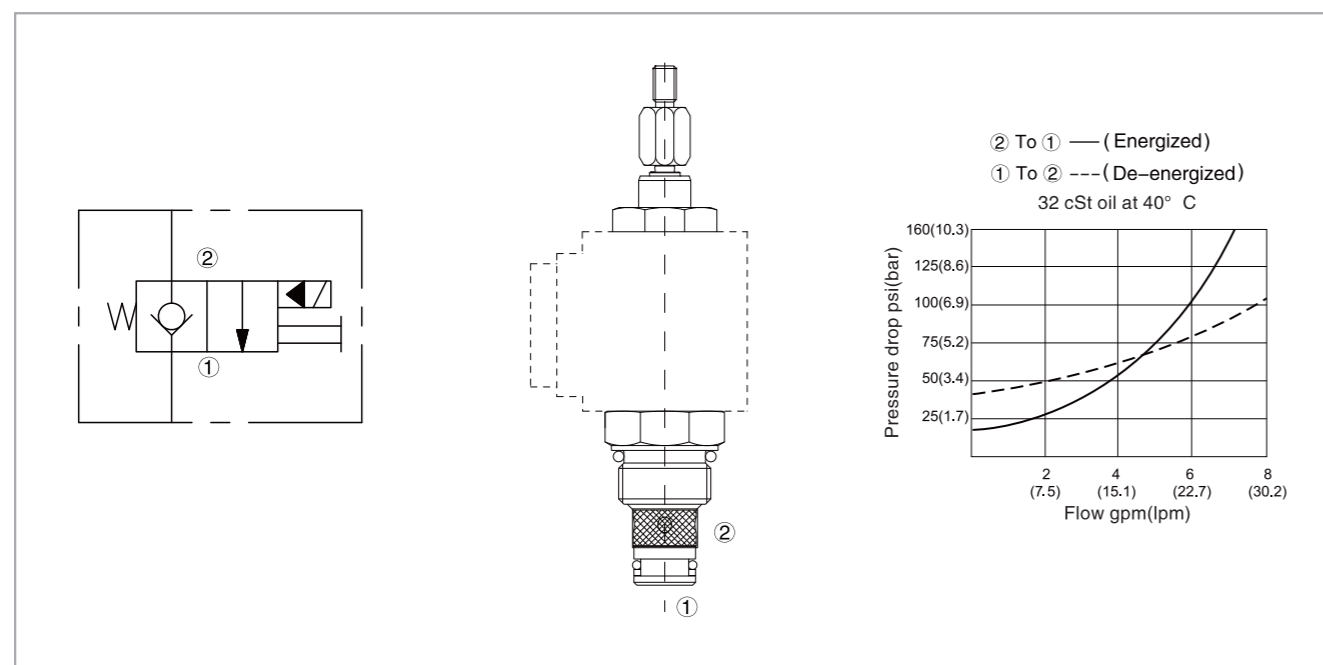
Operation of manual override option

The "J" Option includes a male 10-32 thread for a cable attachment. If a cable is used, the internal valve spring may not provide enough force to overcome internal cable friction. An external means of returning the cable must be provided by the user.

Specifications

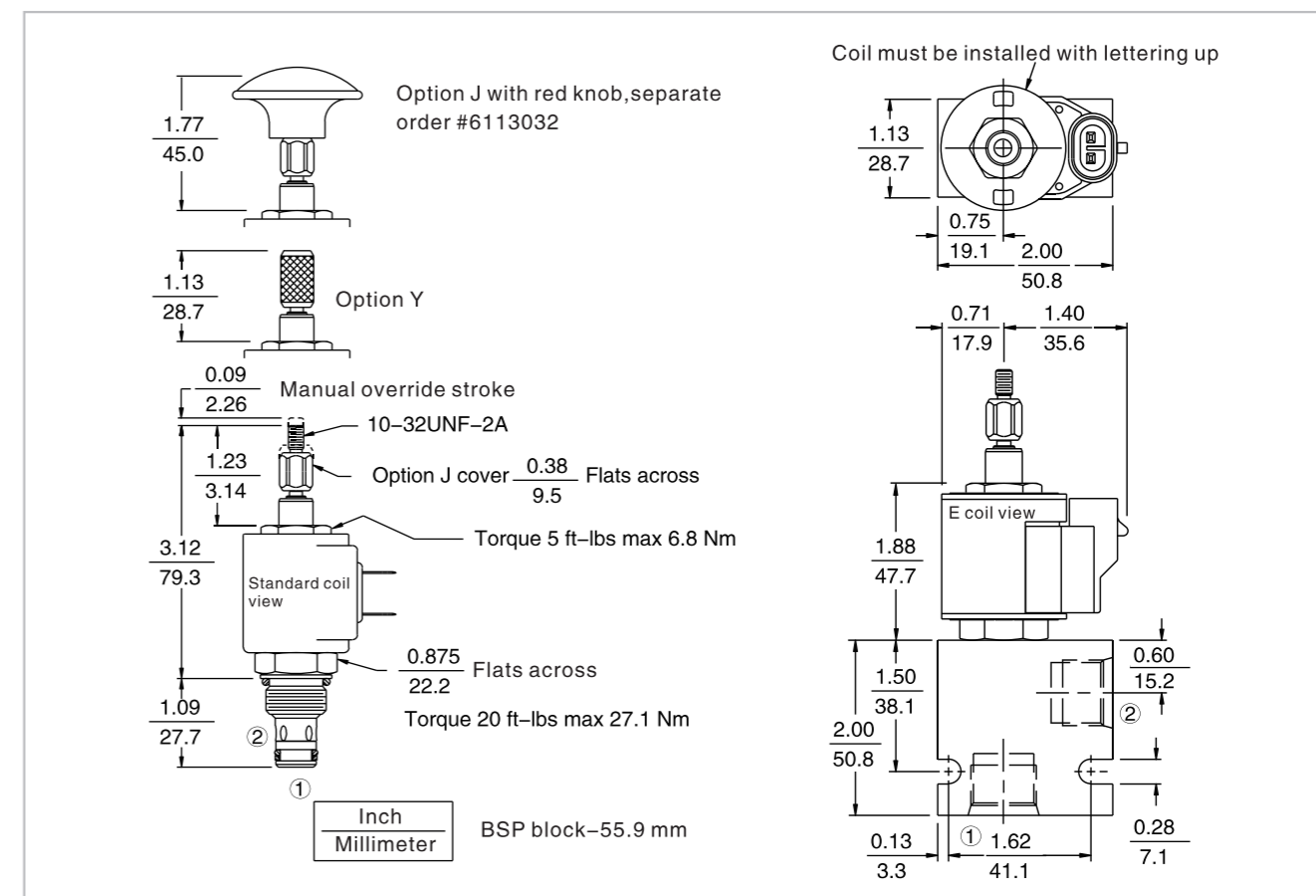
Max. operating pressure:	207 Bar
Flow:	See pressure drop vs.flow graph
Internal leakage:	2 Drops/min.max.at 207 bar
Temperature:	(-40°C To +120°C) with NBR material seals
Coil duty rating:	Continuous from 85% to 115% of nominal voltage
Fluids:	Mineral-based fluids with viscosities of 7.4 to 420 cSt.
Cavity:	HY08-2,see page H.1.2
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



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External dimensions



Material science and order model

Cartridge: weight: 0.15 kg (0.33 lb); Steel, the working face is duratected Surface zine-plated; NBR material sealing and check ring (standard).

Block: weight :0.16 kg (0.35 lb); High-strength performance aluminum alloy with anodic oxidation; #6061 T6; Rated pressure up to 240 bar (3500 psi); Also available with ductile cast iron and steel material; Size might be different, please consult factory.

Standard coil: weight: 0.11 kg (0.25 lb); Heat-wrapping pack, Class H heat-resistant enamelled wire;

E type coil: weight :0.14 kg (0.3 lb); Perfect winding, soid metallic shell encapsulated; IP 69K rated, integrated connector.

Option		Voltage std.coil		Termination std.coil (VDC)	
None (Blank)	Wire adaptor J	0	Less coil**	DS	Dual spades
Knurled knob Y		10	10 VDC †	DG	DIN 43650
		12	12 VDC	DL	Leadwire (2)
		24	24 VDC	DL/W	Leadwire, lead w/weatherpak® connectors
		36	36 VDC	DR	Deutsch DT04-2P
		48	48 VDC		
		24	24 VAC		Termination std.coil (VAC)
		115	115 VAC	AG	DIN 43650
		230	230 VAC	AP	1/2 inch conduit
					E type coil termination (VDC)
				ER	Deutsch DT04-2P (IP69K rated)
				EL	Leadwire (2)
				EY	Metri-Pack® 150 (IP69K rated)
					Coils with internal diode are available, please consult factory.

** Includes std.coil nut
† DS, DW or DL terminations only

Porting		Seals	
Cartridge only	0	Buna (Std.)	N
SAE 4	4T	Fluorocarbon	V
SAE 6	6T		
SAE 8	8T		
1/4 Inch BSP*	2B		
3/8 Inch BSP*	3B		