

HYSV08-47A (4/3 Solenoid Valve, Spool Tyle)

Description

A solenoid operated, 4-way, 3-position, tandem center spool-type cartridge valve.

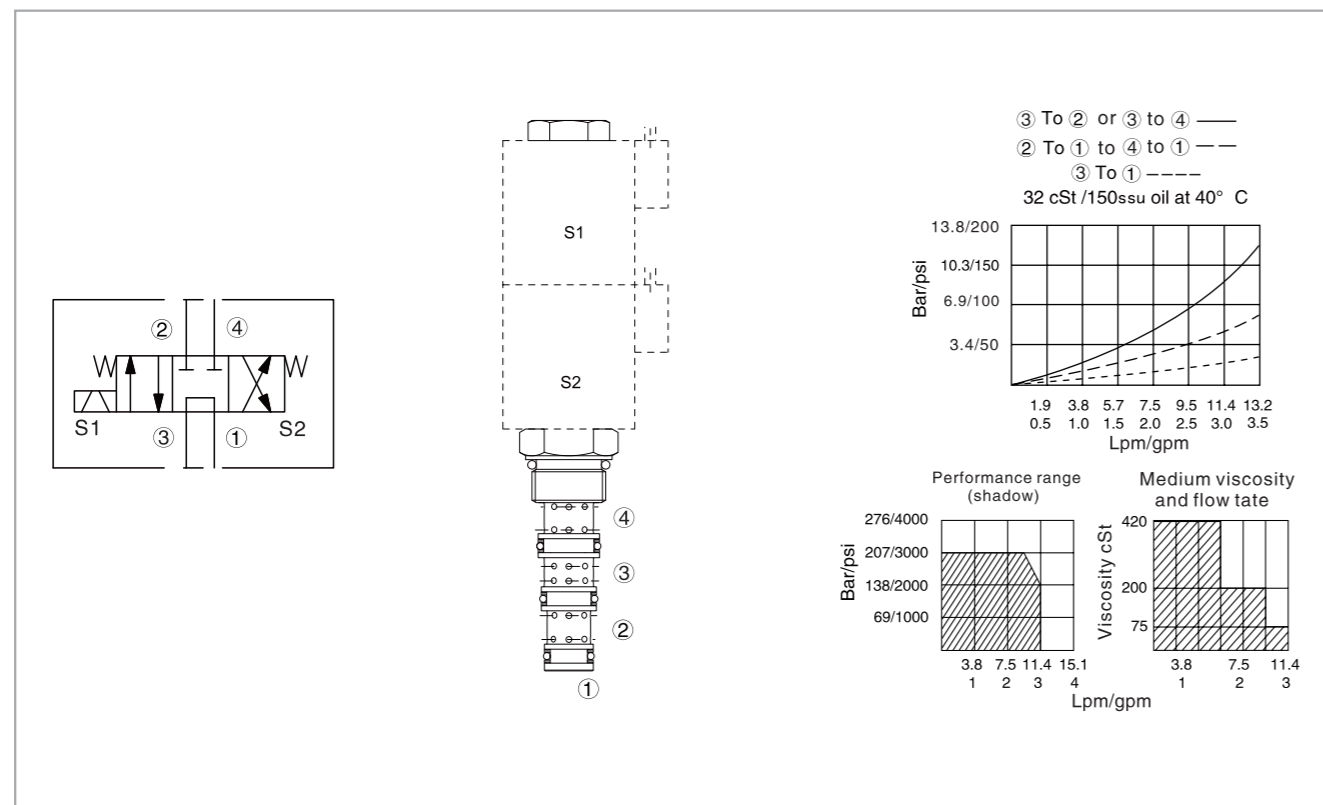
Operation

When de-energized, the valve allows flow from ③ to ①, while blocking ② and ④.
 When the coil S1 is energized, the valve allows flow from ④ to ① and from ③ to ②;
 When the coil S2 is energized, the valve allows flow from ② to ① and from ③ to ④.

Specifications

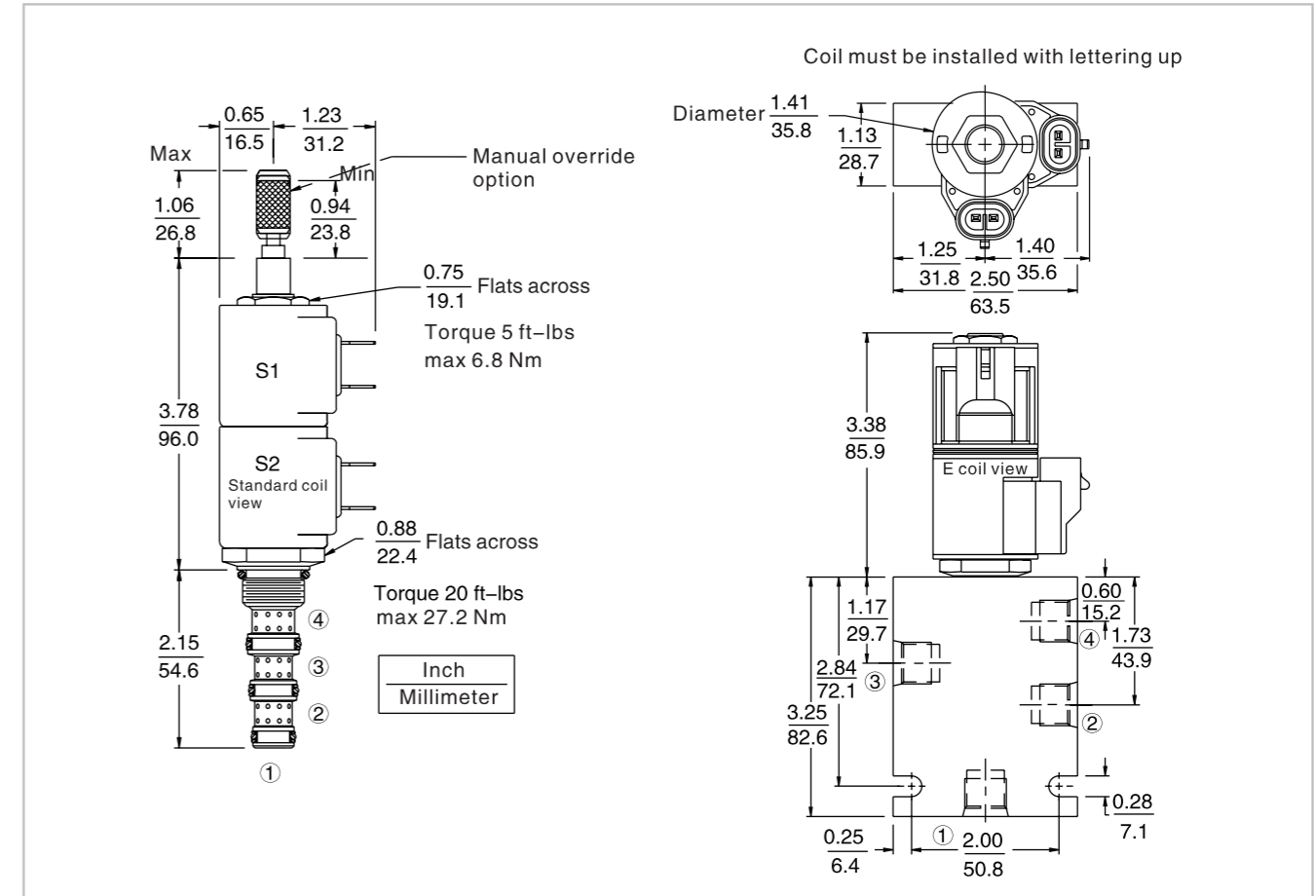
Max. operating pressure:	210 Bar
Flow:	See pressure drop vs. flow graph
Internal leakage:	278 cc/min. max. at 210 bar
Temperature:	(-40°C To +120°C) with NBR material seals
Coil duty rating:	Continuous from 85% to 115% of nominal voltage
Fluids:	Mineral-based fluids with viscosities of 7.4 to 420 cSt.
Cavity:	HY08-4, 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



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External dimensions



Material science and order model

Cartridge: weight: 0.13 kg (0.28 lb); Steel, the working face is duratected Surcace zine-plated;
 NBR material sealing and check ring (standard).
 Block: weight :0.27 kg (0.60 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); Soid metallic shell encapsulated; IP 69K rated, integrated connector.

HYSV08-47A		Voltage std.coil		Termination std.coil (VDC)		
Option	None (Blank)	0	Less coil**	DS	Dual spades	
	Manual override M	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		Termination std.coil (VAC)	
Porting	0	24	24 VAC			
Cartridge only	6T	115	115 VAC	AG	DIN 43650	
SAE 6	2B	230	230 VAC	AP	1/2 inch conduit	
1/4 Inch BSP*	3B				E type coil termination (VDC)	
3/8 Inch BSP*					ER	Deutsch DT04-2P (IP69K rated)
					EL	Leadwire (2)
Seals					EY	Metri-Pack® 150 (IP69K rated)
Buna (Std.)	N	10	10 VDC			Coils with internal diode are available, please consult factory.
Fluorocarbon	V	12	12 VDC			
		20	20 VDC			
		24	24 VDC			