

HYSV10-47A (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 coil S1 is energized, the valve allows flow from ④ to ① and from ③ to ②;
 When coil S2 is energized, the valve allows flow from ② to ① and from ③ to ④.

Specifications

Max. operating pressure:	207 Bar
Flow:	See pressure drop vs.flow graph
Internal leakage:	300 cc/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:	HY10-4,see page H.1.4
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

③ To ②, ④ to ① Loop : —
 ③ Or ①: - - - ;
 32 cSt /150ssu oil at 40° C

Performance range (shadow)

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External dimensions

Coil must be installed with lettering up

Manual override option

Torque 5 ft-lbs max 6.8 Nm

Inch / Millimeter

E coil view

Flats across 1.00 25.4 Torque 25 ft-lbs max 33.9 Nm

Material science and order model

Cartridge: weight: 0.30 kg (0.65 lb); Steel,the working face is duratected Surcace zine-plated; NBR material sealing and check ring (standard).

Block:weight :0.36 kg (0.80 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:0.27 kg (0.60 lb); Heat-wrappinf pack,Class H heat-resistant enamelled wire;

E type coil:weight :0.41 kg (0.9 lb); Soid metallic shell encapsulated; IP 69K rated,integrated connector.

HYSV10-47A		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)
		24	24 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.

Porting	
Cartridge only	0
SAE 6	6T
SAE 8	8T
1/4 Inch BSP*	2B
3/8 Inch BSP*	3B

Seals	
Buna (Std.)	N
Fluorocarbon	V