

8B.1 General specifications

Technical specification		
Max flow rate	l/min U.S.G.P.M.	40 11
Max continuous operating pressure supply port P	bar PSI	250 3600
Max intermittent peak pressure work port A/B	bar PSI	320 4600
Max back pressure on the channel "T"	bar PSI	20 290
Oil temperature	° C ° F	-10 to +80 14 to 180
Oil viscosity	mm ² /sec	20 to 50
Oil filtration	μ	≤25

Spool leakage at 100 bar (1450 PSI), Temp. 50° C (120° F), viscosity 27 mm ² /sec:		
Maximum	cm ³ /min Cu. In./min	16 1.138
Average	cm ³ /min Cu. In./min	12 0.854

Number of spools	1 to 10
Adjustable direct operated relief valve (tamper-proof seal available on request)	RV
Load hold check valve in each section	LC
Cartridge anti-shock, anti-cavitation and service relief valve	OA-UC-C

8B.1.1 Material specification:

Body: High strength cast-iron.
Spool: Hardened steel.
Seals: Buna "N".

8B.1.2 Optional features available

Series circuit;
Load sensing circuit;
Spool 3-way or 4-way at 2-3 positions;
Port relief and anti-cavitation valves -OA-UC-C-
Cross port relief valve - AA-
Pilot - Actuated Check Valve - RP-

* for non indicated tension valves, please contact our Sales Department

8B.1.3 Ports

P-T-P₁-T₁-A-B-HPCO (M18X1.5 - 3/8" BSP
-SAE6 - SAE8)

8B.1.4 Input voltages

Continuous Current 12VDC - 24VDC *

8B.1.5 Solenoid specification

Technical specification		
Continuous current voltage	V. D.C.	12 (24) +5% -10%
Power consumption	Watt (W)	36 (37)
Intensity of current	Ampere (A)	3 (1.55)
Resistance	Ohm (Ω)	4 (15.5)
Duty cycle (continuous)	ED	100%
Stabilized temperature at nominal voltage	° C	110
Ambient temperature	° C	-20 to +40

Protection class IP65 (DIN 40050)
Coil insulation class H (VDEO 0580)
STD. connection (DIN 43650)
Manual override.
Explosion-proof version on demand.

8B.1.6 Mechanical specification

Spool diameter 10 mm
Spool stroke 2.50 mm
Overlapping 1.25 mm
Internal passage 10 mm
Dimensional section (width) 40 mm

8B.1.7 Weight

Version	kg	lb
Inlet with RV and P	10	2.23
1 spool section with 2 solenoid	2.50	5.50
1 spool with 1 solenoid	2.10	4.62
End cover with T and HPCO	075	1.65