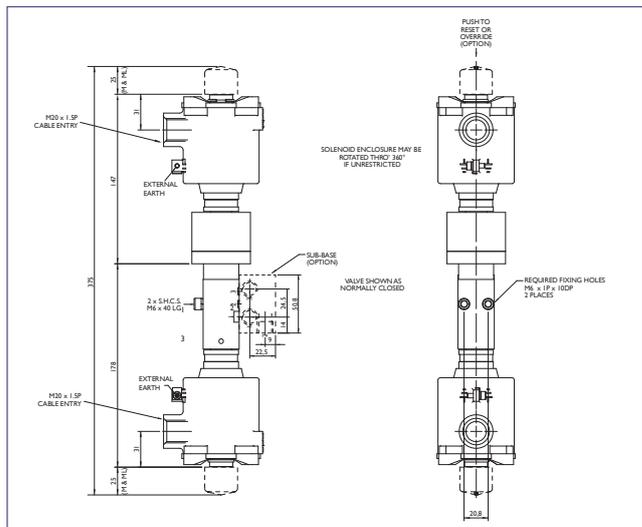
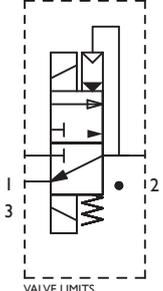


FP01 (SI/SI,S2/S2&S3/S3)

Dimensional Drawing

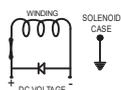


SCHEMATIC 3/2 NC

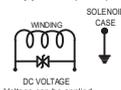


Wiring Diagrams

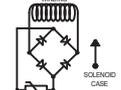
Type 74 (Ex emb)



Type 77 (Ex d)



Type 78 (Ex ia)



FP01 Selection Chart - Ordering Example

FP01			Model Code
SI / SI S2 / S2 S3 / S3	345 bar 517 bar 690 bar	Pulse operated, hydraulically latched, spring bias to close on loss of pressure	Maximum Valve Pressure
M	Sub-base Mounting		Connections
32	3-way, 2-position		Valve Configuration
NC	Normally Closed		
S V SA	Nitrile (standard) Viton Nitrile (Low Temperature)	(-30°C to +130°C) (-20°C to +180°C) (-36°C to +180°C)	O-ring Material
XX	Refer to solenoid options tables.	74 (Ex emb) Page 10 - Table 1 77 (Ex d) Page 11 - Table 2 78 (Ex ia) Page 12 - Table 3	Solenoid
A G I U	ATEX/IECEX Dual Certified/Labelled GOST INMETRO CSA (US) ATEX Dual Certified/Labelled	74(Ex emb) ✓ 77(Ex d) ✓ 78(Ex ia) ✓	Solenoid Approval
T4	Class ≤ 4.0 W (50°C maximum ambient temperature)		Ex emb 'T' Option
XXX	Voltage, refer to Solenoid option tables.	74 (Ex emb) Page 10 - Table 1 77 (Ex d) Page 11 - Table 2	Voltage
XX	Resistance (Ω)	78 (Ex ia) - 155 Ohms Page 12 - Table 3	Resistance †
SB	Spring bias to close on loss of hydraulic supply pressure		Default Position
M ML MOR	Electrical to switch or temporary manual override Electrical and manual required Electrical to switch or stayput manual override		Options
XX	Power (W)	74 (Ex emb) - 1.8 & 3.6 Watts Page 10 - Table 1 77 (Ex d) - 1.5 & 3.0 Watts Page 11 - Table 2	Power
K85	½" NPT cable entry		Option
H2S	NACE MR-01-75 compliant internal wetted and body materials		Option
M221 M437	¼" NPT ¼" BSPP		Sub-Base Options
FP01/SI/SI/M/32/NC/S / 74 A T4-24D/SB / M / 36 / K85 / HS2 / [M221]			Ordering Example

For the shaded block sections, please refer to the same shaded sections on pages 10, 11 & 12.

† Solenoid must be used in conjunction with a correctly matched Intrinsically Safe (IS) solenoid driver. The valve installer is responsible for a correct and safe IS system. The solenoid valve installation operating and maintenance instruction reference is OP0165.