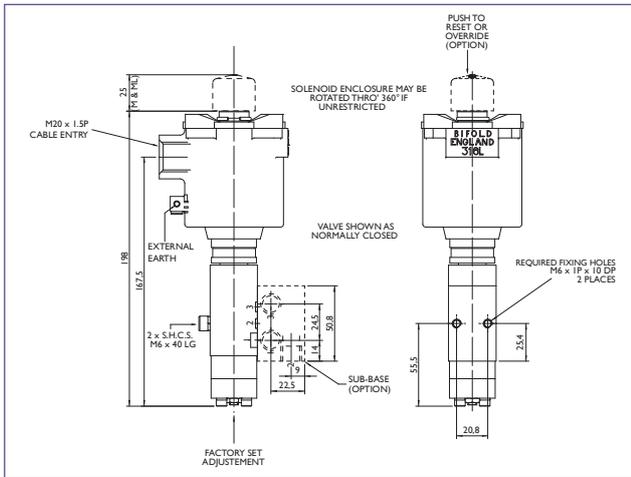
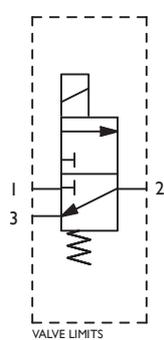


FP01 (S1, S2 & S3)

Dimensional Drawing

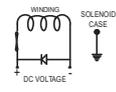


SCHMATIC 3/2 NC

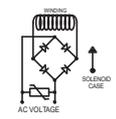
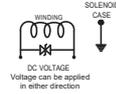


Wiring Diagrams

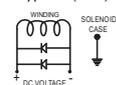
Type 74 (Ex emb)



Type 77 (Ex d)



Type 78 (Ex ia)



FP01 Selection Chart - Ordering Example

<b>FP01</b>				Model Code
<b>S1</b>	345 bar	Direct acting, spring return	Maximum Valve Pressure	
<b>S2</b>	517 bar		Connections	
<b>S3</b>	690 bar		Valve Configuration	
<b>M</b>		Sub-base Mounting	Valve Configuration	
<b>22</b>	2-way, 2-position (effected by omitting / plugging one port in the sub-base)		Valve Configuration	
<b>32</b>	3-way, 2-position			
<b>NC</b>	Normally Closed			
<b>NO</b>	Normally Open			
<b>SV</b>	Selector Valve		O-ring Material	
<b>DV</b>	Diverter Valve } 3 / 2 Only			
<b>S</b>	Nitrile (standard)	(-30°C to +130°C)	Solenoid	
<b>V</b>	Viton	(-20°C to +180°C)		
<b>SA</b>	Nitrile (Low Temperature)	(-36°C to +180°C)		
<b>XX</b>	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
<b>A</b>	ATEX/IECEx Dual Certified/Labelled		74(Ex emb)	77(Ex d)
<b>G</b>	GOST		✓	✓
<b>I</b>	INMETRO		✓	✓
<b>U</b>	CSA (US) ATEX Dual Certified/Labelled		✓	✓
<b>T4</b>	Class ≤ 4.0 W (50°C maximum ambient temperature)		Solenoid Approval	
<b>XXX</b>	Voltage, refer to Solenoid option tables.	74 (Ex emb)	Page 10 - Table 1	Voltage
		77 (Ex d)	Page 11 - Table 2	
<b>XX</b>	Resistance (Ω)	78 (Ex ia) - 155 Ohms	Page 12 - Table 3	Resistance †
<b>M</b>	Electrical to switch or temporary manual override		Options	
<b>ML</b>	Electrical and manual required			
<b>MOR</b>	Electrical to switch or stayput manual override			
<b>XX</b>	Power (W)	74 (Ex emb) - 1.8 & 3.6 Watts	Page 10 - Table 1	Power
		77 (Ex d) - 1.5 & 3.0 Watts	Page 11 - Table 2	
<b>K85</b>	1/2" NPT cable entry		Option	
<b>H2S</b>	NACE MR-01-75 compliant internal wetted and body materials		Option	
<b>M221</b>	1/4" NPT		Sub-Base Options	
<b>M437</b>	1/4" BSPP			

FP01 / S1 / M32 / NC / S / 74 A T4-24D / ML36 / K85 / H2S / [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.