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## TECHNICAL SPECIFICATIONS

### MATERIALS OF CONSTRUCTION

All valve bodies:-	stainless steel 316L
Internal components:-	stainless steel 316L/316, CA104 Aluminium Bronze, PEEK (according to valve type)
Fasteners:-	metric A4 18/10 316 grade stainless steel.
Springs:-	stainless steel 302S26
Seals:-	nitrile (standard). Alternative elastomers available for extreme conditions.

### MEDIA:

Mineral oils, water glycol mixtures, sea water (filtered), some chemicals,  
Air, natural gas, bottled gases (low pressure pilot operators and option G only)

### TEMPERATURE RANGE:

See elastomer options

### WORKING PRESSURE:

Up to 1035 Bar (15,000PSI). Refer to ordering code.

### SOUR GAS SERVICE (refer to ordering code).

All internal wetted and body metal materials conforming to NACE MR-01-75 / ISO 15156

### INSTALLATION:

Valves can be mounted in any attitude. Systems should be flushed clean to ISO 4406 Class 18/15 or better. Bifold Fluidpower FP15 valves afford excellent sealing characteristics provided high standards of cleanliness are maintained. Where this cannot be assured we recommend the use of valves from the extensive range of Bifold Fluidpower Slide Valves which are more tolerant to fluid borne contaminants. Weights detailed in this catalogue are approximate only

## 1/4" BODY PORTED RANGE:

FP15E				Model Code
Operator	Max Pilot Pressure	Refer to Operating Pressure Graphs on page 4	Max. Valve Pressure	Flow Rate (All valves have a nominal flow of 15 lpm, except operators L2 which are 5 lpm)
L1	10bar		414bar	
L1A Low Pressure Pilot (Piston)	19bar		690bar	
L2	10bar		690bar	
L3	10bar		690bar	
L11	10bar		690bar	
H1 High Pressure Pilot	240bar		690bar	
H2 (Direct Acting)	690bar		690bar	
04	1/4 NPT body ported			Connections
22	2 - way, 2 - position (refer to 'P' to 'S' flow curve)		Normally closed (NC)	Configuration
32	3 - way, 2 - position			
S	Nitrile (standard)		(-30°C to +130°C)	O-ring material
V	Viton		(-20°C to +180°C)	
SA	Low temperature nitrile		(-50°C to +130°C)	
G	150 bar gas, max valve pressure			Options
H2S	NACE MR-01-75 Consult Bifold Fluidpower			
MSO	Manual screw down override			
NO	Normally Open			
FP15E / L1 / 04 / 32 / S				Example