



Port Connections

Port Connections (FP03P Only)

PORT CONNECTIONS TABLE			
Configuration	Pressure	Service	Vent
Normally Closed	1	2	3

For port connections please refer to selection chart ordering example. Page 14.

Port Connections for (FP06P, FP10P, FP12P, SJ06, S06/S09/S12 & SPR)

PORT CONNECTIONS TABLE			
Configuration	Pressure	Service	Vent
Normally Closed	1	2	3
Normally Open	3	2	1
Selector	1 & 3	2	N/A
Diverter	2	1 & 3	N/A

For port connections please refer to selection chart ordering example. Pages 15, 16, 17, 18, 19 & 20.

Product Weights

Approximate Standard Product Weights

PRODUCT WEIGHTS	
Product	Approximate Weight (Kg)
FP03P	1.75
FP06P	2.1
FP10P	2.5
FP12P	3.0
SJ06	2.7
S06/S09/S12	3.4
SPR	3.2

For more information, please contact Bifold Sales Department.

Seal Repair Kit

Seal Repair Kit Selection Chart - Ordering Example (FP03P, FP06P, FP10P & FP12P)

SRK	Seal Repair Kit
FP03P → FP06P FP10P FP12P	Model Code
S Nitrile (-20°C to +130°C) V Viton (Standard) (-20°C to +180°C) AG Silicone (-60°C to +180°C) AL Fluorosilicone (-60°C to +180°C)	O-ring Material
XX	Revision Number
SRK-FP06P-V-XX	Ordering Example

For SJ06, S06/S09/S12 & SPR, please contact Bifold Sales Department.

**SRK5506S**

*8 pcs.*

Solenoid Coil Spare

Solenoid Coil Spare Selection Chart - Ordering Example (FP03P, FP06P, FP10P & FP12P)

109		Coil Type
XXX Voltage	74 (Ex emb) 24 & 48 Vdc 77 (Ex d) 12, 24, 48 & 110 Vdc 77 (Ex d) 110 & 240 Vac	Voltage
XX Power (W)	74 (Ex emb) 1.8, 3.6, 4.4 & 6.8Watts 77 (Ex d) 3.0, 3.5, 5.7 & 12Watts	Power
109-24DC-30		Ordering Example

For solenoid operator Type 78 (Ex ia), the coil spare ordering code is shown below:-

**109-12-370 Ohms**

For solenoid operator Type 77 (Ex d) Vac, the coil spare ordering example is shown below:-

**109-110AC-57**

For detailed information, please contact Bifold Sales Department.

**Port Connections**

**Port Connections (FP01)**

PORT CONNECTIONS TABLE			
Configuration	Pressure	Service	Vent
Normally Closed	1	2	3
Normally Open	3	2	1
Selector	1 & 3	2	N/A
Divorter	2	1 & 3	N/A

For port connections, please refer to selection chart ordering example on pages 13 & 14.

**Product Weights**

**Approximate Standard Product Weights**

PRODUCT WEIGHTS	
Product	Approximate Weight (Excluding Sub-base) (Kg)
S1, S2 & S3	2.5
S1 / S1, S2 / S2 & S3 / S3	5

**Solenoid Coil Spare**

**Solenoid Coil Spare Selection Chart - Ordering Example Type 74 & 77**

109		Coil Type
XXX Voltage (V)	74 (Ex emb) 24 & 48 Vdc	Voltage
	77 (Ex d) 12, 24, 48 & 110 Vdc	
	77 (Ex d) 110 & 240Vac	
XX Power (W)	74 (Ex emb) 1.8 & 3.6Watts	Power
	77 (Ex d) 1.5 & 3.0Watts	
EXM		74 Only
109-24DC-30 - EXM		Ordering Example

For detailed information, please contact Bifold sales department.

**Solenoid Coil Spare**

**Solenoid Coil Spare Selection Chart Ordering Example Type 78**

109		Coil Type
XXX Nominal Voltage	78 (Ex ia) 12V	Nominal Voltage
	78 (Ex ia) 155 Ohms	
XX Resistance (Ω) 78 (Ex ia) 155 Ohms		Resistance †
109-12 - 155		Ordering Example

† 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.

**Seal Repair Kit**




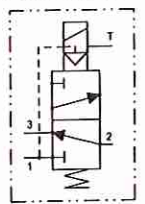




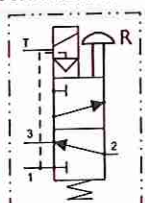



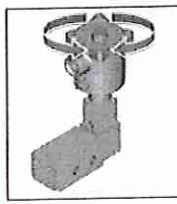
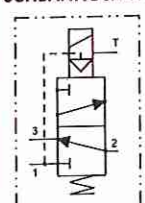



**Seal Repair Kit Selection Chart - Ordering Example (FP01)**

FP01	S1 345 bar S2 517 bar S3 690 bar	S1 / S1 345 bar S2 / S2 517 bar S3 / S3 690 bar	Model Code
M	22 NO SV DV	Sub-base Mounting 2-way, 2-position 3-way, 2-position Normally Closed Normally Open Selector Valve Divorter Valve	Maximum Valve Pressure Connections Valve Configuration
SA	Nitrile (standard) Viton Nitrile (Low Temperature)	Repair Kit	O-ring Material Repair Kit

FP01-S1-M-32-NC-S-RK

When ordering the seal repair kits, please ensure that the serial number of the valve to be overhauled is submitted with the enquiry / order.

Selection Table

INDIRECT ACTING SOLENOID VALVES - PREFERRED RANGE				
Product	Schematic Representation	Page Number	Product Code	Product Description
 <p><b>SJ06</b></p>	<p>SCHEMATIC 3/2 NC</p> 	18	<p><b>SJ06-EI-32-NC-00-74A-24D-36-XX</b></p>	<p>1/4" NPT Ports, 3 way 2 position, pilot operated, Normally Closed, 24Vdc, Auto Reset.</p> <p>                     ATEX  II 2 GDc, Ex emb IICT3 Gb                      IECEx Ex emb IICT3 Gb                      3.6 Watt, Cv 0.7, 10 bar.                 </p>
			<p><b>SJ06-EI-32-NC-00-77A9-24D-30-XX</b></p>	<p>                     ATEX  II 2 GD, Ex d IICT6                      IECEx Ex d IICT6                      3.0 Watt, Cv 0.7, 10 bar.                 </p>
			<p><b>SJ06-EI-32-NC-00-78A9-370-XX</b></p> <p><i>8 pcls</i></p>	<p>                     ATEX  II I GD, Ex ia IICT6 Ga                      IECEx Ex ia IICT6 Ga                      370 Ohms, Cv 0.7, 10 bar. †                 </p>
 <p><b>SJ06</b> Manual Reset</p>	<p>SCHEMATIC 3/2 NC</p> 	18	<p><b>SJ06-E5-32-NC-00-74A-24D-ML-36-XX</b></p>	<p>1/4" NPT Ports, 3 way 2 position, pilot operated, Normally Closed 24Vdc, Manual Reset.</p> <p>                     ATEX  II 2 GDc, Ex emb IICT3 Gb                      IECEx Ex emb IICT3 Gb                      3.6 Watt, Cv 0.7, 10 bar.                 </p>
			<p><b>SJ06-E5-32-NC-00-77A9-24D-ML-30-XX</b></p>	<p>                     ATEX  II 2 GD, Ex d IICT6                      IECEx Ex d IICT6                      3.0 Watt, Cv 0.7, 10 bar.                 </p>
			<p><b>SJ06-E5-32-NC-00-78A9-370-ML-XX</b></p>	<p>                     ATEX  II I GD, Ex ia IICT6 Ga                      IECEx Ex ia IICT6 Ga                      370 Ohms, Cv 0.7, 10 bar. †                 </p>
 <p><b>SI2</b></p>	<p>SCHEMATIC 3/2 NC</p> 	19	<p><b>SI2-EI-32-NC-00-74A-24D-36-XX</b></p>	<p>1/2" NPT Ports, 3 way 2 position, pilot operated, Normally Closed, 24Vdc, Auto Reset.</p> <p>                     ATEX  II 2 GDc, Ex emb IICT3 Gb                      IECEx Ex emb IICT3 Gb                      3.6 Watt, Cv 1.7, 10 bar.                 </p>
			<p><b>SI2-EI-32-NC-00-77A9-24D-30-XX</b></p>	<p>                     ATEX  II 2 GD, Ex d IICT6                      IECEx Ex d IICT6                      3.0 Watt, Cv 1.7, 10 bar.                 </p>
			<p><b>SI2-EI-32-NC-00-78A9-370-XX</b></p>	<p>                     ATEX  II I GD, Ex ia IICT6 Ga                      IECEx Ex ia IICT6 Ga                      370 Ohms, Cv 1.7, 10 bar. †                 </p>

† 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.