

4, 5 port solenoid valve

MN3E0
MN4E0
4GA/B
M4GA/B
MN4GA/B
4GA/B (Master)
W4GA/B2
W4GB4
MN3S0
MN4S0
4TB
4L2-4/
LMFO
4SA/B0
4SA/B1
4KA/B
4F
PV5G/
CMF
PV5/
CMF
3MA/B0
3PA/B
P/M/B
NP/NAP/
NVP
4F*0E
HMV
HSV
2QV
3QV
SKH
PCD/
FS/FD
Ending

● 4, 5 port pilot operated poppet valve

Model no.	Operation method	Solenoid position (No. of solenoid)	Port size Rc	Effective sectional area mm ² (cv)	Working pressure range MPa	Power consumption (W) 50Hz/60Hz	Fluid temperature °C	Catalog No.
PCD-02-47	Poppet	2-position single solenoid	1/4	23 (1.25)	0.1 to 0.7	AC:8/7	5 to 55	CC-140
PCD-03-47			3/8	28 (1.25)				
PCD-04-47			1/2	58 (3.15)				

● Voltage - 100/200 VAC (50/60Hz), custom voltage DC ● Electric connection - Conduit



PCD Series



● 5 port direct acting valve

Model no.	Operation method	Solenoid position (No. of solenoid)	Port size Rc	Effective sectional area mm ² (cv)	Working pressure range MPa	Power consumption (W) 50Hz/60Hz	Fluid temperature °C	Catalog No.
FS2-02-4	Direct acting (Metal spool)	2-position single solenoid	1/4	29 (1.58)	0 to 1.0	AC:9/7	5 to 60	CC-139
FS2-03-4			3/8	30 (1.63)				
FD2-02-4		2-position double solenoid	1/4	29 (1.58)				
FD2-03-4			3/8	30 (1.63)				
FS3-02-4		2-position single solenoid	1/4	35 (1.9)				
FS3-03-4			3/8	41 (2.23)				
FS3-04-4		1/2	43 (2.34)					
FD3-02-4		2-position double solenoid	1/4	35 (1.9)				
FD3-03-4			3/8	41 (2.23)				
FD3-04-4		1/2	43 (2.34)					
FDC3-02-4		3-position All ports closed	1/4	35 (1.9)				
FDC3-03-4			3/8	41 (2.23)				
FDC3-04-4		1/2	43 (2.34)					
FDO3-02-4		3-position double solenoid A/B/R connection	1/4	35 (1.9)				
FDO3-03-4			3/8	41 (2.23)				
FDO3-04-4		1/2	43 (2.34)					
FS4-04-4		2-position single solenoid	1/2	88 (4.78)				
FS4-06-4			3/4	92 (5.0)				
FD4-04-4		2-position double solenoid	1/2	88 (4.78)				
FD4-06-4			3/4	92 (5.0)				
FDC4-04-4		3-position All ports closed	1/2	88 (4.78)				
FDC4-06-4			3/4	92 (5.0)				
FDO4-04-4		3-position A/B/R connection	1/2	88 (4.78)				
FDO4-06-4			3/4	91 (4.95)				
FS5-06-4		2-position single solenoid	3/4	142 (7.72)				
FS5-10-4			1	145 (7.88)				
FD5-06-4			2-position double solenoid	3/4		142 (7.72)		
FD5-10-4		1		145 (7.88)				

● Voltage - 100/200 VAC (50/60 Hz), custom voltage DC ● Electric connection - Housing coil (standard)

● Manifold available



FS Series



FD Series



FDC Series

3 port solenoid valve

● 3 port pilot operated poppet valve

Model no.	Operation method	Port size (Rc)	Effective sectional area mm ² (cv)	Working pressure range MPa	Power consumption (W) 50Hz/60Hz	Fluid temperature °C	Catalog No.
PCD-02-37	Poppet	1/4	32 (1.88)	0.1 to 0.7	AC:8/7	5 to 55	CC-140
PCD-03-37		3/8	59 (3.47)				
PCD-04-37		1/2					

- Voltage - 100/200 VAC (50/60Hz)
- Electric connection - Conduit



PCD Series



● 3 port direct acting valve

Model no.	Operation method	Port size	Effective sectional area mm ² (cv)	Working differential pressure range MPa	Power consumption (W) 50Hz/60Hz	Fluid temperature °C	Catalog No.
FS1-02-3	Direct acting (Metal spool)	1/4	38 (2.24)	0 to 1.0	AC:9/7	5 to 60	CC-139
FS1-03-3		3/8	45 (2.65)				
FS1-04-3		1/2	48 (2.83)				

- Voltage - 100/200 VAC (50/60Hz)
- Electric connection - Housing coil



FS1 Series

MN3E0
MN4E0
4GA/B
M4GA/B
MN4GA/B
4GA/B (Master)
W4GA/B2
W4GB4
MN3S0
MN4S0
4TB
4L2-4/LMF0
4SA/B0
4SA/B1
4KA/B
4F
PV5G/CMF
PV5/CMF
3MA/B0
3PA/B
P/M/B
NP/NAP/NVP
4F*0E
HMV
HSV
2QV
3QV
SKH
PCD/FS/FD
Ending

Solenoid valve