

4F4/4F5 Series

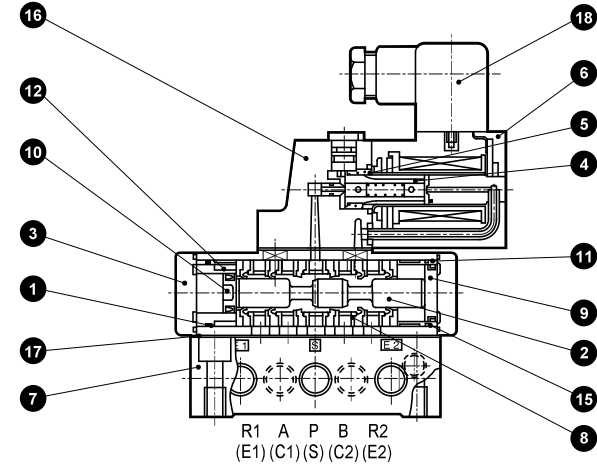
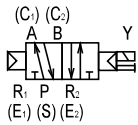
Discrete valve; sub-plate piping

Internal structure and parts list

- 4GA/B
- M4GA/B
- MN4GA/B
- 4GA/B (master)
- 4GB With sensor
- 4GD/E
- M4GD/E
- MN4GD/E
- 4GA4/B4
- MN3E MN4E
- W4GA/B2
- W4GB4
- MN3S0 MN4S0
- 4SA/B0
- 4KA/B
- 4KA/B (master)
- 4F**
- 4F (master)
- PV5G GMF
- PV5 GMF
- PV5S-0
- 3Q
- MV3QR
- 3MA/B0
- 3PA/B
- P/M/B
- NP/NAP NVP
- 4G*0EJ
- 4F*0EX
- 4F*0E
- HMV HSV
- 2QV 3QV
- SKH
- Silencer
- TotAirSys (Total Air)
- TotAirSys (Gamma)
- Ending

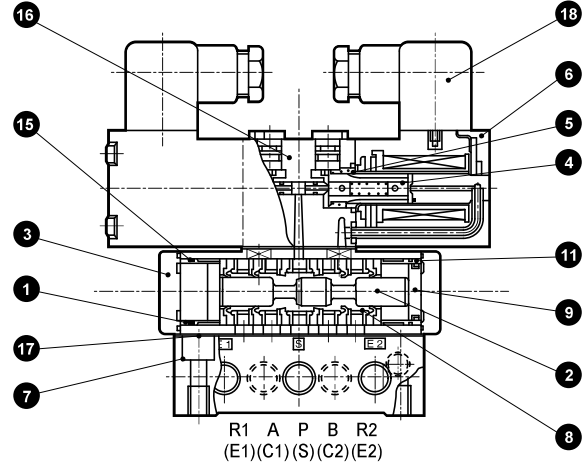
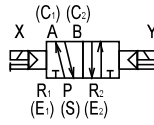
4F410/4F510

● 2-position single



4F420/4F520

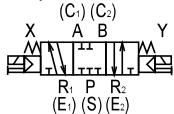
● 2-position double



4F430/4F530

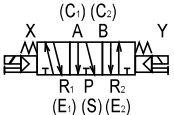
● 3-position

All ports closed



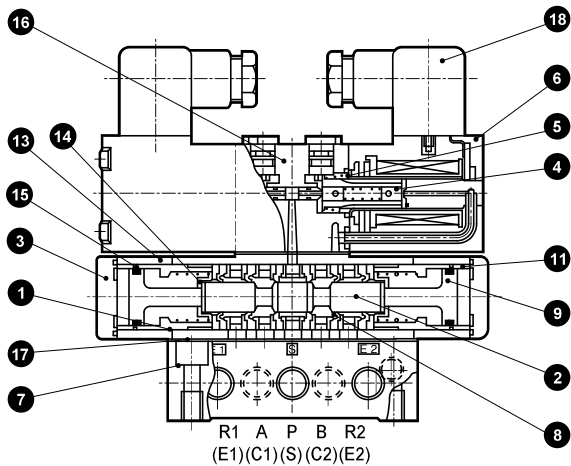
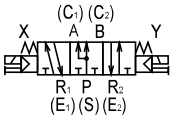
4F440/4F540

A/B/R connection



4F450/4F550

P/A/B connection



Main parts list

No.	Part name	Material	No./part name		8	9	10	6
			Model No.	Repair parts kit				
1	Body	Aluminum die-casting	4F410	4F410-K	4F9-106	4F9-104	4F9-103	4F4*0- Electrical connections - COIL-Voltage
2	Valving element (spool)	Aluminum	4F420	4F420-K				
3	Cap	Aluminum die-casting	4F430	4F430-K				
4	Plunger	-	4F440	4F430-K	4F9-107	4F9-114	-	-
5	Plunger spring	-	4F450	4F430-K				
6	Coil assembly	-	4F510	4F510-K				
7	Sub-plate	Aluminum die-casting	4F520	4F520-K	4F9-107	4F9-108	4F9-109	4F5*0- Electrical connections - COIL-Voltage
8	Sealant assembly	-	4F530	4F530-K				
9	Piston (A) assembly (large)	-	4F540	4F530-K				
10	Piston (B) assembly (small)	-	4F550	4F530-K	4F9-115	-	-	-
11	Cylinder A (large)	Aluminum						
12	Cylinder B (small)	Aluminum						
13	Body block	Aluminum die-casting						
14	Spring base	Stainless steel						
15	O-ring	Nitrile rubber						
16	Pilot valve body assembly	-						
17	Sub-plate gasket	Nitrile rubber						
18	DIN terminal box	-						

Repair parts list

No./part name	8	9	10	6	
Model No.	Repair parts kit	Sealant assy	Piston (A) large assy	Piston (B) small assy	Coil assembly *
4F410	4F410-K	4F9-106	4F9-104	4F9-103	4F4*0- Electrical connections - COIL-Voltage
4F420	4F420-K				
4F430	4F430-K				
4F440	4F430-K	4F9-107	4F9-114	-	-
4F450	4F430-K				
4F510	4F510-K				
4F520	4F520-K	4F9-107	4F9-108	4F9-109	4F5*0- Electrical connections - COIL-Voltage
4F530	4F530-K				
4F540	4F530-K				
4F550	4F530-K	4F9-115	-	-	-

*: Repair parts are in stock as kits. It is not possible to purchase individual components. (The kits include sealant assembly and piston (A), (B) assembly. The coil assembly is not included.)

*: The plunger assembly is an attachment of the coil assembly.