

F10, F15 Series Monoblock Manifold A Type, Wire-Saving Type (Base Piping Type) Order Codes

Valve size

F10M 10 mm [Ø.394 in.] width

F15M 15 mm [Ø.591 in.] width

Operation type

Blank Internal pilot type^{Note5}

G External pilot type^{Note6} (for positive pressure)

V External pilot type^{Note6} (for vacuum)^{Note8}
※: This is a vacuum valve.
Note: Cannot be mounted together with a positive pressure valve.

Manual override

Manual override button

Blank

Manual override lever^{Note3}

-R

Valve outlet type

With plate^{Note4} (base piping type)

-A1

Individual air supply and exhaust spacer, stop valve

Blank: No spacer and no stop valve

-NPM: Individual air supply spacer (with M5 female thread for F10)

-NP6: Individual air supply spacer (with φ6 fitting for F15)

-NP8: Individual air supply spacer (with φ8 fitting for F15)

-NRM: Individual exhaust spacer (with M5 female thread for F10)

-NR6: Individual exhaust spacer (with φ6 fitting for F15)

-NR8: Individual exhaust spacer (with φ8 fitting for F15)

-STP: With stop valve^{Note5}

For details, see p. 23, 25.

Manifold outlet specification

With dual use fitting blocks (base piping type)

J

With selectable fittings (base piping type)

L

Outlet port fitting

F10: φ4, φ6

F15: φ6, φ8

Outlet port should be selected in accordance with the manifold fitting specification.

With female thread blocks (base piping type)

M

Outlet port female thread

F10: M5 × 0.8

F15: Rc1/8

Wiring specifications (wiring block) (no power supply terminal only)

Flat cable connector (with socket and strain relief)

-F

D-sub connector

-D25

-F100N: 10-pin

-F101N: 10-pin

-F200N: 20-pin

-F201N: 20-pin

-F260N: 26-pin

For details, see p. 92.

(M2.6 mounting screws)

-D250N: 25-pin^{Note13}

-D251N: 25-pin^{Note13}

(4-40UNC mounting screws)

-D250NU: 25-pin^{Note14}

-D251NU: 25-pin^{Note14}

For details, see p. 92.

Valve specification

T0: 2-position, for single solenoid only

T1: 2-position, single solenoid specification

T2: 2-position, double solenoid specification

T3: 3-position, closed center

T4: 3-position, exhaust center^{Note8}

T5: 3-position, pressure center^{Note8}

TA: Tandem 3-port (NC and NO)^{Note9}

TB: Tandem 3-port (NO and NO)^{Note9}

TC: Tandem 3-port (NC and NO)^{Note9}

Wiring connection specification

Blank

Packed wiring: Wired to match the specifications of the mounted valve.

-W

Double wiring: Wiring is always for the double solenoid, regardless of the specifications of the mounted valve.

Manifold fitting specification

5-port specification

-J5 With single use fitting block, normally closed (NC)^{Note13} (base piping type) **F10**: φ4 **F15**: φ6

-J6 With single use fitting block, normally open (NO)^{Note13} (base piping type) **F10**: φ6 **F15**: φ8

-M With female thread block, normally closed (NC)^{Note13} (base piping type) **F10**: M5 × 0.8 **F15**: Rc1/8

-MH With female thread block, normally closed (NC)^{Note14} (base piping type) **F10**: 10-32UNF **F15**: NPT1/8

3-port specification

-J5A With single use fitting block, normally closed (NC)^{Note13} (base piping type) **F10**: φ4 **F15**: φ6

-J5B With single use fitting block, normally open (NO)^{Note13} (base piping type) **F10**: φ4 **F15**: φ6

-J6A With single use fitting block, normally closed (NC)^{Note13} (base piping type) **F10**: φ6 **F15**: φ8

-J6B With single use fitting block, normally open (NO)^{Note13} (base piping type) **F10**: φ6 **F15**: φ8

-MA With female thread block, normally closed (NC)^{Note13} (base piping type) **F10**: M5 × 0.8 **F15**: Rc1/8

-MAH With female thread block, normally closed (NC)^{Note14} (base piping type) **F10**: 10-32UNF **F15**: NPT1/8

-MB With female thread block, normally open (NO)^{Note13} (base piping type) **F10**: M5 × 0.8 **F15**: Rc1/8

-MBH With female thread block, normally open (NO)^{Note14} (base piping type) **F10**: 10-32UNF **F15**: NPT1/8

Caution: The 3-port specifications are only available in the valve specification **T0**, **T1**, and **T2**.

Back pressure prevention valve

Blank No back pressure prevention valve

-E1 With back pressure prevention valve^{Note10}

Valve size	Valve units	Manifold type	Manifold outlet specification	Pilot specification	Wiring specifications	Wiring connection specification	Station	Valve size	Valve specification	Operation type	Manual override	Valve outlet type	Wiring specification	Manifold fitting specification	Back pressure prevention valve	Individual air supply and exhaust spacer, stop valve	Voltage
Manifold model																	
F10M	2	A	J	Blank	Blank	-W	stn. 1 : : : stn. □ Note2	F10	T0 T1 T2 T3 T4 T5	Blank ^{Note5}	Blank	-A1 ^{Note4}	-PN ^{Note4}	Blank	Blank -NPM -NR6 -NP8 -NR8 -STP ^{Note5}	DC24V DC12V ^{Note11} AC100V ^{Note12} AC120V ^{Note12}	
								F10L	TA ^{Note9} TB ^{Note9} TC ^{Note9}	G ^{Note6}	-R ^{Note3}	-E1 ^{Note10}	Blank -STP ^{Note5}				
Mounting valve model																	
F15M	□ ^{Note1}	AH	L	Blank	Blank	-W	stn. 1 : : : stn. □ Note2	F10	T0 T1 T2 T3 T4 T5	Blank ^{Note5}	Blank	-A1 ^{Note4}	-PN ^{Note4}	-J5 ^{Note13} -J6 ^{Note13} -M ^{Note13} -MH ^{Note14} -J5A ^{Note13} -J5B ^{Note13}	Blank -NPM -NR6 -NP8 -NR8 -STP ^{Note5}	DC24V DC12V ^{Note11} AC100V ^{Note12} AC120V ^{Note12}	
								F10L	TA ^{Note9} TB ^{Note9} TC ^{Note9}	G ^{Note6}	-R ^{Note3}	-E1 ^{Note10}	Blank -STP ^{Note5}				
								BP (for block-off plate) ^{Note7}									

- Notes: 1. For the maximum number of units, see the table for maximum number of valve units by wiring specification, on p. 51.
2. Valve mounting location is from the left, with the solenoid on top, and the 4(A), 2(B) ports side in front.
3. When the valve specification is **T1** or **T2**, the manual override lever is placed only on the A side.
4. Always enter **-A1** and **-PN**.
5. Cannot be mounted on the external pilot manifold.
6. Cannot be mounted on the internal pilot manifold.
7. Caution should be exercised that the block-off plate wiring is always double wiring (allocated 2 control pins at 1 stn.), regardless of the wiring connection specification. For single wiring, see p. 51.
8. Not available in the vacuum valves.
9. Not available in external pilot type and vacuum valves.
10. Not available with the individual exhaust spacer and vacuum valve.
11. Not available in low-current type.
12. Not available in low-current type and tandem 3-port valves. In addition, only available when the wiring specification is a D-sub connector.
13. Can be selected only when the manifold type is **A**.
14. Can be selected only when the manifold type is **AH**.

F10, F15 Series Monoblock Manifold F Type, Wire-Saving Type (Direct Piping Type) Order Codes

Valve size

F10M
10 mm [0.394 in.] width

F15M
15 mm [0.591 in.] width

Valve specification

T0 : 2-position, for single solenoid only
T1 : 2-position, single solenoid specification
T2 : 2-position, double solenoid specification
T3 : 3-position, closed center
T4 : 3-position, exhaust center
T5 : 3-position, pressure center
TA : Tandem 3-port (NC and NC)
TB : Tandem 3-port (NO and NO)
TC : Tandem 3-port (NC and NO)

Manual override

Manual override button

Blank

Manual override lever^{Note3}

-R

Valve outlet type

5-port specification

-FJ With dual use fitting block^{Note9} (direct piping type) **F10**: φ 4, φ 6 **F15**: φ 6, φ 8

-FJ5 With single use fitting block^{Note9} (direct piping type) **F10**: φ 4 **F15**: φ 6

-FJ6 With single use fitting block^{Note9} (direct piping type) **F10**: φ 6 **F15**: φ 8

-FM With female thread block^{Note9} (direct piping type) **F10**: M5 × 0.8 **F15**: Rc1/8

-FMH With female thread block^{Note10} (direct piping type) **F10**: 10-32UNF **F15**: NPT1/8

3-port specification

-FJ5A With single use fitting block, normally closed (NC)^{Note9} (direct piping type) **F10**: φ 4 **F15**: φ 6

-FJ5B With single use fitting block, normally open (NO)^{Note9} (direct piping type) **F10**: φ 4 **F15**: φ 6

-FJ6A With single use fitting block, normally closed (NC)^{Note9} (direct piping type) **F10**: φ 6 **F15**: φ 8

-FJ6B With single use fitting block, normally open (NO)^{Note9} (direct piping type) **F10**: φ 6 **F15**: φ 8

-FMA With female thread block, normally closed (NC)^{Note9} (direct piping type) **F10**: M5 × 0.8 **F15**: Rc1/8

-FMAH With female thread block, normally closed (NC)^{Note10} (direct piping type) **F10**: 10-32UNF **F15**: NPT1/8

-FMB With female thread block, normally open (NO)^{Note9} (direct piping type) **F10**: M5 × 0.8 **F15**: Rc1/8

-FMBH With female thread block, normally open (NO)^{Note10} (direct piping type) **F10**: 10-32UNF **F15**: NPT1/8

Caution: The 3-port specifications are only available in the valve specification **T0**, **T1**, and **T2**.

Individual air supply and exhaust spacer, stop valve

Blank: No spacer and no stop valve
-NPM: Individual air supply spacer (with M5 female thread for F10)
-NP6: Individual air supply spacer (with φ 6 fitting for F15)
-NRE: Individual exhaust spacer (with φ 6 fitting for F10)
-NR6: Individual exhaust spacer (with φ 6 fitting for F15)
-NR8: Individual exhaust spacer (with φ 8 fitting for F15)
-STP: With stop valve
 For details, see p. 23, 25.

Back pressure prevention valve

Blank: No back pressure prevention valve
-E1: With back pressure prevention valve^{Note6}

Wiring specification

-PN
S type plug connector^{Note4}

Wiring specification (wiring block) (no power supply terminal only)

Flat cable connector (with socket and strain relief)

-F□

-F100N: 10-pin
-F101N: 10-pin
-F200N: 20-pin
-F201N: 20-pin
-F260N: 26-pin
 For details, see p. 92.

D-sub connector

-D25□

(M2.6 mounting screws)
-D250N: 25-pin^{Note9}
-D251N: 25-pin^{Note9}
 (4-40UNC mounting screws)
-D250NU: 25-pin^{Note10}
-D251NU: 25-pin^{Note10}
 For details, see p. 92.

Wiring connection specification

Blank
Packed wiring: Wired to match the specifications of the mounted valve.

-W
Double wiring: Wiring is always for the double solenoid, regardless of the specifications of the mounted valve.

Valve size

F10 Standard type
F10L Low-current type
F15 Standard type
F15L Low-current type

Note: Valves of **F10□** and **F15□** cannot be mounted together.

Valve size	Valve units	Manifold type	Wiring specification	Wiring connection specification	Station	Valve size	Valve specification	Manual override	Valve outlet type	Wiring specification	Back pressure prevention valve	Individual air supply and exhaust spacer, stop valve	Voltage
Manifold model					Mounting valve model								
F10M	2 ⋮ Note1	F	-F100N -F101N -F200N -F201N -F260N -D250N ^{Note9} -D251N ^{Note9} -D250NU ^{Note10} -D251NU ^{Note10}	Blank -W	stn. 1 ⋮ stn. □ Note2	F10 F10L F15 F15L	T0 TA T1 TB T2 TC T3 T4 T5	Blank -R ^{Note3}	-FJ ^{Note9} -FJ6A ^{Note9} -FJ5 ^{Note9} -FJ6B ^{Note9} -FJ6 ^{Note9} -FMA ^{Note9} -FM ^{Note9} -FMAH ^{Note10} -FMH ^{Note10} -FMB ^{Note9} -FJ5A ^{Note9} -FMBH ^{Note10} -FJ5B ^{Note9}	-PN ^{Note4}	Blank -E1 ^{Note6}	Blank -NPM -NRM -NP6 -NR6 -NR8 -NR8 -STP	DC24V DC12V ^{Note7} AC100V ^{Note8} AC120V ^{Note8}
F15M	□ Note1	FH				F10 F15						Blank -STP	
										BP (for block-off plate) ^{Note5}			

- Notes: 1. For the maximum number of units, see the table for maximum number of valve units by wiring specification, on p. 53.
 2. Valve mounting location is from the left, with the solenoid on top, and the 4(A), 2(B) ports side in front.
 3. When the valve specification is **T1** or **T2**, the manual override lever is placed only on the A side.
 4. Always enter **-PN**.
 5. Caution should be exercised that the block-off plate wiring is always double wiring (allocated 2 control pins at 1 stn.), regardless of the wiring connection specification. For single wiring, see p. 53.
 6. Not available with the individual exhaust spacer.
 7. Not available in low-current type.
 8. Not available in low-current type and tandem 3-port valves. In addition, only available when the wiring specification is a D-sub connector.
 9. Can be selected only when the manifold type is **F**.
 10. Can be selected only when the manifold type is **FH**.
- Remark: The external pilot type valve cannot be mounted on the F type manifold.