

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

Valve size

F10M 10 mm [0.394 in.] width

F15M 15 mm [0.591 in.] width

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 × Q8
F15: Rc1/8

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 ^{Note6}
T5: 3-position, pressure center ^{Note6}
TA: Tandem 3-port (NC and NO) ^{Note7}
TB: Tandem 3-port (NO and NO) ^{Note7}
TC: Tandem 3-port (NC and NO) ^{Note7}

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.

Pilot specification

Blank Internal pilot manifold

G External pilot manifold

Operation type

Blank Internal pilot type ^{Note4}

G External pilot type ^{Note5} (for positive pressure)

V External pilot type ^{Note5} (for vacuum) ^{Note5}
 ※: This is a vacuum valve.

Note: Cannot be mounted together with a positive pressure valve.

Manual override

Manual override button **Blank**

No protrusion with DIN connector

Manual override lever ^{Note2} **-R**

Protruding locking type **-83**

Valve outlet type

With plate ^{Note3} (base piping type) **-A1**

Wiring specification

Pre-wired positive common terminal

L type plug connector Without connector **Blank**

S type plug connector Without connector **-PN**

Pre-wired positive common terminal L type plug connector Lead wire 300 mm [11.8 in.] **-CPS**

S type plug connector Lead wire 300 mm [11.8 in.] **-PS**

L type plug connector Lead wire 300 mm [11.8 in.] **-PL**

Pre-wired positive common terminal S type plug connector Lead wire 3000 mm [118 in.] **-CPS3**

L type plug connector Lead wire 3000 mm [118 in.] **-PL3**

Pre-wired positive common terminal L type plug connector Lead wire 3000 mm [118 in.] **-CPL3**

DIN connector type with indicator ^{Note12} **-39L**

DIN connector type without connector ^{Note12} **-39N**

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) ^{Note15}

-NP6: Individual air supply spacer (with φ6 fitting for F15) ^{Note15}

-NP8: Individual air supply spacer (with φ8 fitting for F15) ^{Note15}

-NRM: Individual exhaust spacer (with M5 female thread for F10) ^{Note15}

-NR6: Individual exhaust spacer (with φ6 fitting for F15) ^{Note15}

-NR8: Individual exhaust spacer (with φ8 fitting for F15) ^{Note15}

-STP: With stop valve ^{Note4}

For details, see p. 23, 25.

Manifold fitting specification

5-port specification

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

-J6 With single use fitting block ^{Note13} (base piping type) **F10**: φ6 **F15**: φ8

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

-MH With female thread block ^{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 ^{Note8}

Valve size

Valve units

Manifold type

Manifold outlet specification

Pilot specification

Station

Valve size

Valve specification

Operation type

IP specification

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				Mounting valve model														
Valve size	Valve units	Manifold type	Manifold outlet specification	Pilot specification	Station	Valve size	Valve specification	Operation type	IP specification	Manual override	Valve outlet type	Wiring specification	Manifold fitting specification	Back pressure prevention valve	Individual air supply and exhaust spacer, stop valve	Voltage		
F10M	2	A	J	Blank	G	stn. 1 : : : stn. □ Note 1	F10	T0	TA ^{Note7}	Blank ^{Note4}	Blank	Blank	-A1 ^{Note3}	Blank	-PN	-CPS	Blank	DC24V
							F10L	T1	TB ^{Note7}	G ^{Note5}	Blank	Blank	-R ^{Note2}	-PN	-CPL			
F15M	20	A	L	Blank	G	stn. 1 : : : stn. □ Note 1	F15	T2	TC ^{Note7}	V ^{Note5}	-P ^{Note10}	-R ^{Note11}	-A1 ^{Note3}	Blank	-PS	-CPS3	Blank	DC12V
							F15L	T3	TC ^{Note7}	V ^{Note5}	-P ^{Note10}	-R ^{Note11}	-A1 ^{Note3}	-PS	-CPL3			
								BP (for block-off plate)										
								BP (for block-off plate)										

Notes: 1. Valve mounting location is from the left, with the solenoid on top, and the 4(A), 2(B) ports side in front.
 2. When the valve specification is **T1** or **T2**, the manual override lever is placed only on the A side. This is not available with **-39**.
 3. Always enter **-A1**.
 4. Cannot be mounted on the external pilot manifold.
 5. Cannot be mounted on the internal pilot manifold.
 6. Not available in the vacuum valves.
 7. Not available in external pilot type and vacuum valves.
 8. Not available with the individual exhaust spacer and vacuum valve.
 9. Not available in low-current type.
 10. Not available in low-current type and tandem 3-port valves.
 11. Only for wiring specification **-39**.
 12. Only for **F15** Series and not available for valve specification **T1**, **TA**, **TB**, and **TC**. In addition, the valve is used only as a double solenoid for **T2**.
 13. Can be selected only when the manifold type is **A**.
 14. Can be selected only when the manifold type is **AH**.
 15. Not available with DIN connectors (**-39**).
 16. IP65 compliant protective construction to protect against intrusion of dust and water from outside.
 Remark: Negative common specifications are also available as made to order products (add **-129W** to the ends of the valve and manifold model order codes). For details, consult us.