

Solenoid Valves

F Series

Inch size available.



EASE OF USE

1. Dual-use fittings.
2. Single/double solenoid dual-use function within each valve.
3. Interchangeable base or direct piping options for manifolds.

LOWER POWER CONSUMPTION

F10: 0.1W F15: 0.4W F18: 0.9W

EtherCAT COMPATIBLE

Compatible with:

- EtherCAT (16, 32 outputs)
- CC-Link(16, 32 outputs)
- Omron CompoBus/S (16 outputs)
- DeviceNet (16, 32 outputs)
- CompoNet (16 outputs)

Interchangeable Piping Option



Base Piping



Direct Piping

EtherCAT Compliant

Individual Units



F15 series

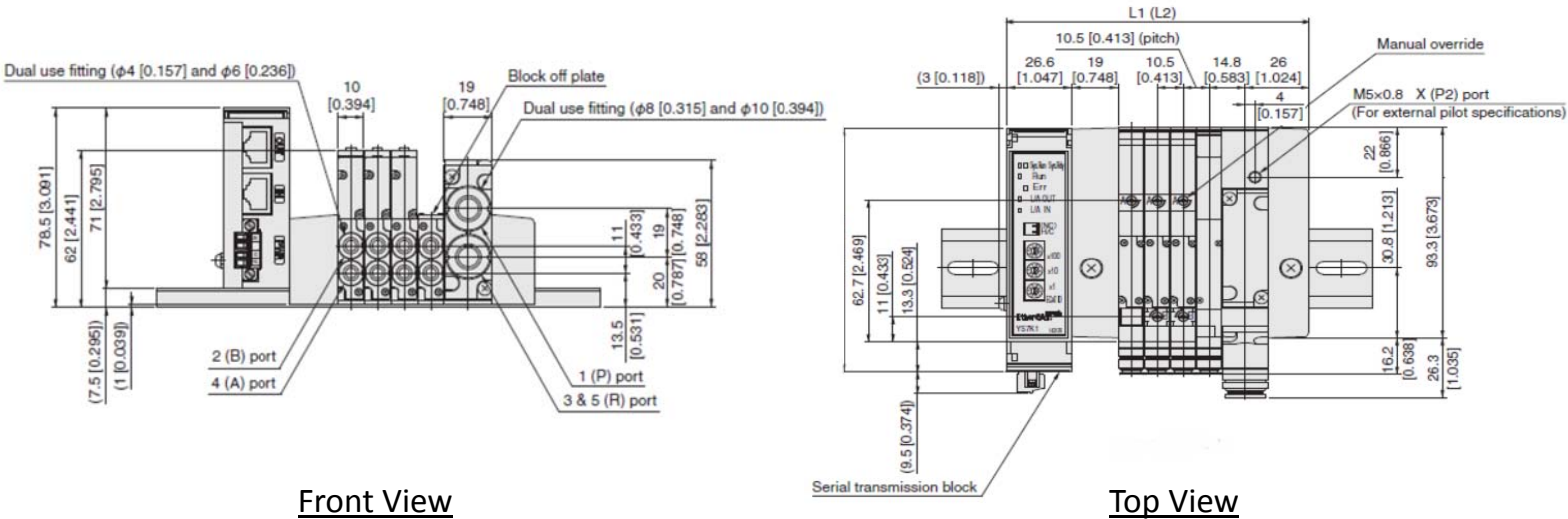
F10 series



Specifications

Basic model		F10 T0 F10 T1 F10 T2	F10 T3 F10 T4 F10 T5	F10 TA F10 TB F10 TC	F10 T0G F10 T1G F10 T2G	F10 T3G F10 T1G F10 T5G	F10 T0V F10 T1V F10 T2V	F10 T3V
Media		Air						
Operation type		Internal pilot type			External pilot type (for positive pressure)		External pilot type (for vacuum)	
Flow rate characteristics	Sonic conductance C [dm ³ /(s.bar)]	0.97	0.93	0.75	0.97	0.93	0.97	0.93
	Effective area [Cv [mm ²]]	4.8 [0.27]	4.6 [0.25]	3.7 [0.21]	4.8 [0.27]	4.6 [0.25]	4.8 [0.27]	4.6 [0.25]
Port size		M5X0.8,10-32UNF, dual-use fitting for ϕ 4 and ϕ 6, Rc1/8, NPT1/8						
Lubrication		Not required						
Operating pressure range	Main valve [psi]	29 to 102			0 to 102		-29.53 in.Hg to 22	
	External pilot [psi]	—————			29 to 102		29 to 102	
Proof pressure [psi]		152						
Response time ON/OFF	12VDC, 24VDC [ms]	15/15(20) or below	15/20(25) or below	15/20(25) or below	15/15(20) or below	15/20(25) or below	15/15(20) or below	15/20(25) or below
	100VAC [ms]	15/15 or below	15/20 or below	—————	15/15 or below	15/20 or below	15/15 or below	15/20 or below
Maximum operating frequency [Hz]		5						
Minimum time to energize for self holding [ms]		50	—————	—————	50	—————	50	—————
Operating temperature range (atmosphere and media) [°F]		41 to 122						
Shock resistance [G]		30						
Mounting direction		Any						

Dimensions F10 EtherCAT Compatible Manifold and Attached Valves



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