

Poppet Type - Series EF

Cat No EF - 01 - 01 - A

POPPET TYPE - G1/4

Features

- □ 3/2 NO & NC, 5/2 Spring return and 5/2 Double solenoid
- No lubrication required
- □ Suitable for dirty / dusty environment
- ☐ Mounting provision for individual unit
- ☐ Manual override (Push, Turn and Lock)
- ☐ Wide range of coil voltages 12, 24, 48, 110, 220
- □ Suitable for manifold mounting (M006, M007, M008 Series)
- □ Solenoid coil can be rotated by 360°



Technical Specifications

Model	NO - EF13615 NC - EF14615	EF115615	EF125615	
Туре	3/2 Spring return	5/2 Spring return	5/2 Double solenoid	
Design		Poppet		
Port size	Inlet (1), Outlet (2), Exhaust (3) - G1/4	Inlet (1), Outlet (2, 4),	Exhaust (3, 5) - G1/4	
Medium	Compressed ai	r - Filtered - Lubricated / Unlubri	cated	
Working pressure range	1.5 to 10 bar	2.2 to 10 bar	1.5 to 10 bar	
Recommended oil for lubrication	ISC	VG32 (Servo system 32)		
Ambient temperature		-10° to +60° C		
Medium temperature		+5° to +50° C		
Flow [@]	1000 lpm	1000 lpm	1100 lpm	
Materials of construction	Aluminium, Nitrile, PU, Brass, Acetal, PBT, Zinc, Steel			
Product weight	0.390 Kg	0.450 Kg		
Electrical				
Coil width	22 mm			
Voltage (V) ± 10%	AC (50 Hz) - 24, 48, 110, 220			
Voltage (V) ± 10%	DC - 12, 24, 48, 110			
Power consumption	AC - 6 VA, DC - 5 W			
Duty cycle	Continuous			
Class of insulation	Class F			
Type of coil protection	IP65			
Cable entry	PG9 (Suitable for Ø6 - Ø8 OD cable (2wire/3wire)			
Response time ON	14 ms 10 ms 10 ms			
Response time OFF	40 ms 47 ms NA			

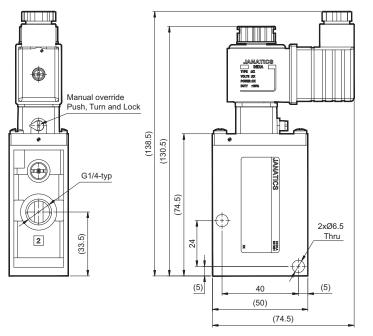
[@] - Inlet pressure at 6 bar, and pressure drop at 1 bar

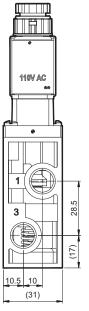


Poppet Type - Series EF

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3/2 Single solenoid spring return valve - Normally Opened





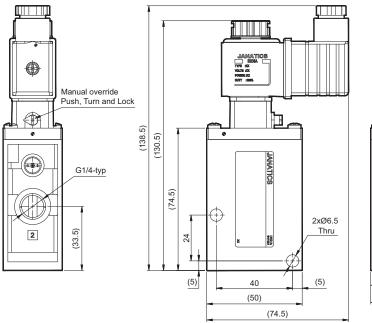


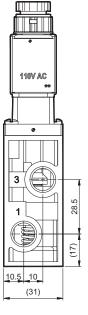
1-Inlet, 2-Outlet, 3-Exhaust

Ordering No*	EF13615	
Туре	Normally open	
Symbol	2	

^{*} For ordering No, voltage to be added

3 / 2 Single solenoid spring return valve - Normally Closed







1-Inlet, 2-Outlet, 3-Exhaust

Ordering No*	EF14615	
Туре	Normally closed	
Symbol	2 1 3	

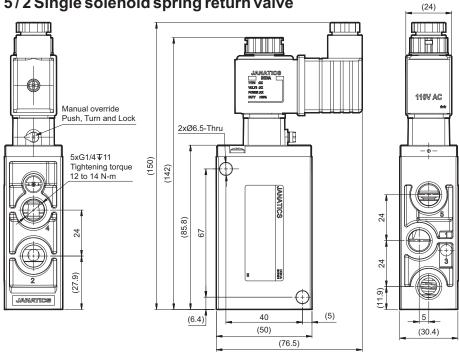
^{*} For ordering No, voltage to be added



Poppet Type - Series EF

Cat No EF - 01 - 01 - A

5/2 Single solenoid spring return valve



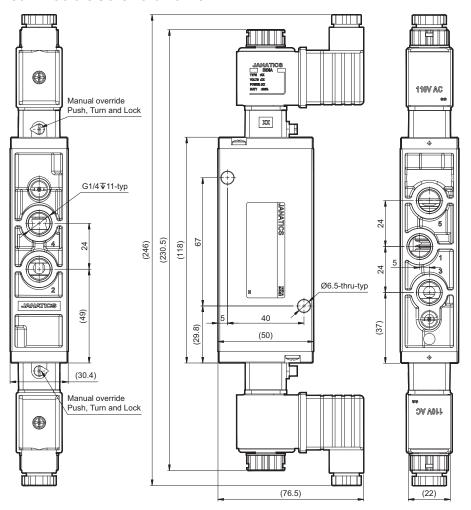


1 - Inlet, 2, 4 - Outlet, 3, 5 - Exhaust

Ordering No*	EF115615	
Symbol	4 2 513	

^{*} For ordering No, voltage to be added

5/2 Double solenoid valve





1 - Inlet, 2, 4 - Outlet, 3, 5 - Exhaust

Ordering No*	EF125615	
Symbol	513	

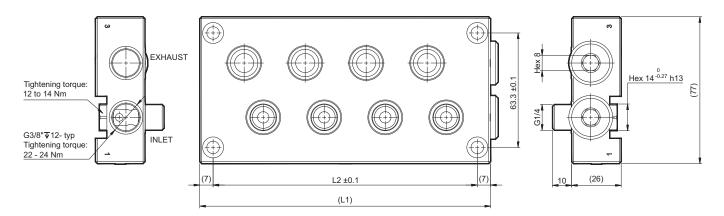
^{*} For ordering No, voltage to be added



Poppet Type - Series EF

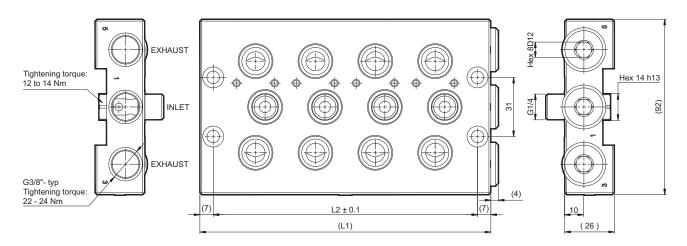
Cat No EF - 01 - 01 - A

Manifold - Type M008 (For 3/2)



Number of valves	L	L1	Ordering no.
2	89.8	75.8	M0080202
4	152.6	138.6	M0080204
6	215.4	201.4	M0080206
8	278.2	264.2	M0080208

Manifold - Type M006 (For 5/2)



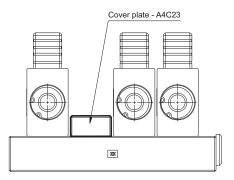
Number of valves	L	L1	Ordering no.
2	89.8	75.8	M0060202
4	152.6	138.6	M0060204
6	215.4	201.4	M0060206
8	278.2	264.2	M0060208



Poppet Type - Series EF

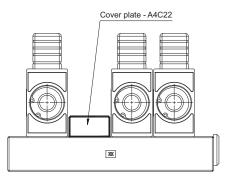
Cat No EF - 01 - 01 - A

Cover Plate - Type M008 (For 3/2)



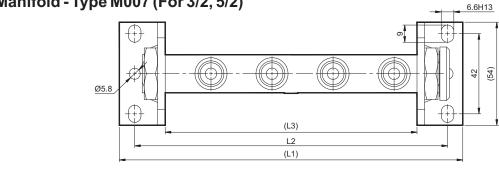
Part name	Ordering No
Cover plate	A4C23

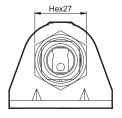
Cover Plate - Type M006 (For 5/2)

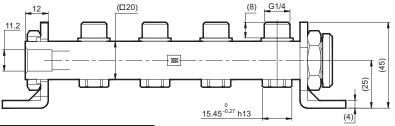


Part name	Ordering No
Cover plate	A4C22



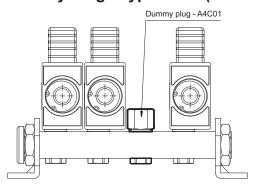






Number of valves	L	L1	L3	Ordering no.
2	116	100	68	M0070202
4	180	164	132	M0070204
6	244	228	196	M0070206
8	308	292	260	M0070208

Dummy Plug - Type M007 (For 3/2 & 5/2)



Part name	Ordering No		
Dummy plug	A4C01		



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How to order

1. Solenoid valve + "Connectors without LED"

While ordering Solenoid operated valves, please mention the suffix given below along with the model number to indicate the required voltage

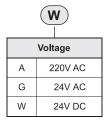
Α	220V AC	Q	110V DC
В	110V AC	S	48V DC
D	48V AC	W	24V DC
G	24V AC	R	12V DC

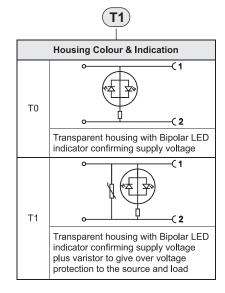
Ordering Example:

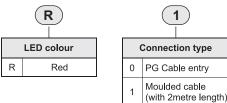
- a. The ordering no. for 3/2 Normally Opened Single solenoid valve, 24V D.C coil with PG cable is EF13615W
- b. The ordering no. for 3/2 Normally Opened Single solenoid valve, 24V D.C coil with Moulded cable is EF13615W1

2. Solenoid valve + "Connectors with LED"

While ordering Solenoid operated valves with LED connectors, given below in the corresponding tables.







Ordering Example:

The ordering no. for 3/2 Normally Opened Single solenoid valve, 24V DC, connectors with LED of Transparent colour housing with Bipolar LED and varistor, Red colour LED with moulded cable: **EF13615WT1R1**

Coil spare ordering no.

Coil (without connector)	Ordering no.	
Voltage	AC	DC
220	AC23A	- NA -
110	AC23B	DC24Q
48	AC23D	DC24S
24	AC23G	DC24W
12	- NA -	DC24R