



E-MC
OPEN NEW AUTOMATION MIND
 The automation mind - New competitiveness for modern enterprise



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Two Port Two Position Solenoid Valve

Over 25 years sufficient experience in designing and manufacturing makes E · MC a very professional 2/2, 3/2 solenoid valves manufacturer. We have a wide range of solenoid valves designed in different structures supporting for different pressure, temperature, medium, dimensiona, condition..... widely used in many area of the industry control systems. This makes E · MC a very trusted and depended supplier for solenoid valves for many customers home and abroad. Among so many kinds of E · MC solenoid valves, you'll find it's always easy for you to choose the most suitable solenoid valve for your system as everything is very clear in the catalog.

Anyway, for anything you're not so clear about the solenoid valves on the E · MC pneumatics & hydraulics catalog, just contact us info@emc-machinery.cz





How to Order?

SLP	--	06	--		--	E2	--	3L	--	S1	--	H
SLP Series		Port size 06: 1/8" 08: 1/4" 10: 3/8" 15: 1/2" 20: 3/4" 25: 1" 35: 1-1/4" 40: 1-1/2" 50: 2" F: Flange		Seal Material Blank: NBR V: Viton E: EPDM		Voltage E1: AC110V E2: AC220V E3: AC380V E4: DC24V E5: DC12V E6: AC36V E7: AC24V E8: DC110V E9: DC48V E10: DC36V		Orifice(mm) 3L: 3.0 4L: 4.0 10.5L: 10.5 13L: 13.0 20L: 20 25L: 25 35L: 35 40L: 40 50L: 50 Cancel if same with port size		Valve Body Blank: Brass S1: SS316		Control Style Blank: Normal Close H: Normal Open

Order example:

* SLP series, 2 position, 2 port, AC110V, 1/8" port size, Orifice: 3mm, Brass, Normal Close, NBR Seal, Model: SLP06E1-3L

* SLP series, 2 position, 2 port, AC220V, 3/8" port size, Orifice: 13mm, SS316, Normal Open, Viton Seal, Model: SLP10VE2-13LS1H

SLP Series 2/2 Solenoid Valve (Normal Close)



SLP



SLP-S1



SLP-S1

Port Size	Orifice (mm)	CV Value	Pressure Difference (Bar)				Max. Temperature (°C)	Power		Model	
			Min. Pressure	Max. Working Pressure				VA	W	220VAC	50/60Hz
				Air, Gas	Water, Hot Water, Liquid	Light Oil ≤20CSTT					
1/8"	3	0.23	0	13	13	10	80	22	13	SLP06E2-3L	SLP06E2-3LS1
	3	0.23	0	13	13	—	130	22	13	SLP06EE2-3L	SLP06EE2-3LS1
	3	0.23	0	13	13	10	120	22	13	SLP06VE2-3L	SLP06VE2-3LS1
1/4"	3	0.23	0	13	13	10	80	22	13	SLP08E2-3L	SLP08E2-3LS1
	3	0.23	0	13	13	—	130	22	13	SLP08EE2-3L	SLP08EE2-3LS1
	3	0.23	0	13	13	10	120	22	13	SLP08VE2-3L	SLP08VE2-3LS1
	10.5	1.47	0	16	16	13	80	22	13	SLP08E2-10.5L	—
	10.5	1.47	0	16	16	—	130	22	13	SLP08EE2-10.5L	—
	10.5	1.47	0	16	16	13	120	22	13	SLP08VE2-10.5L	—

Port Size	Orifice (mm)	CV Value	Min. Pressure	Pressure Difference (Bar)			Max. Temperature (°C)	Power		Model	
				Max. Working Pressure				VA	W	220VAC	50/60Hz
				Air, Gas	Water, Hot Water, Liquid	Light Oil <20CSTT					
3/8"	3	0.3	0	13	13	10	80	22	13	SLP10E2-3L	SLP10E2-3LS1
	3	0.3	0	13	13	10	130	22	13	SLP10EE2-3L	SLP10EE2-3LS1
	3	0.3	0	13	13	10	120	22	13	SLP10VE2-3L	SLP10VE2-3LS1
	4	0.6	0	8	8	6	80	22	13	SLP10E2-4L	SLP10E2-4LS1
	4	0.6	0	8	8	6	130	22	13	SLP10EE2-4L	SLP10EE2-4LS1
	4	0.6	0	8	8	6	120	22	13	SLP10VE2-4L	SLP10VE2-4LS1
	10.5	1.68	0	16	16	13	80	22	13	SLP10E2-10.5L	—
	10.5	1.68	0	16	16	—	130	22	13	SLP10EE2-10.5L	—
	10.5	1.68	0	16	16	13	120	22	13	SLP10VE2-10.5L	—
	13	4.5	0.5	16	16	13	80	22	13	SLP10E2-13L	SLP10E2-13LS1
13	4.5	0.5	16	16	13	130	22	13	SLP10EE2-13L	SLP10EE2-13LS1	
13	4.5	0.5	16	16	13	120	22	13	SLP10VE2-13L	SLP10VE2-13LS1	
1/2"	10.5	1.75	0	16	16	13	80	22	13	SLP15E2-10.5L	—
	10.5	1.75	0	16	16	—	130	22	13	SLP15EE2-10.5L	—
	10.5	1.75	0	16	16	13	120	22	13	SLP15VE2-10.5L	—
	13	4.5	0.5	16	16	13	80	22	13	SLP15E2-13L	SLP15E2-13LS1
	13	4.5	0.5	16	16	13	130	22	13	SLP15EE2-13L	SLP15EE2-13LS1
13	4.5	0.5	16	16	13	120	22	13	SLP15VE2-13L	SLP15VE2-13LS1	
3/4"	20	7.6	0.5	16	16	13	80	22	13	SLP-20E2	SLP-20E2S1
	20	7.6	0.5	16	16	13	130	22	13	SLP-20EE2	SLP-20EE2S1
	20	7.6	0.5	16	16	13	120	22	13	SLP-20VE2	SLP-20VE2S1
1"	25	12	0.5	16	16	13	80	22	13	SLP-25E2	SLP-25E2S1
	25	12	0.5	16	16	13	130	22	13	SLP-25EE2	SLP-25EE2S1
	25	12	0.5	16	16	13	120	22	13	SLP-25VE2	SLP-25VE2S1
1-1/4"	35	22	0.5	16	16	13	80	22	13	SLP-35E2	SLP-35E2S1
	35	22	0.5	16	16	13	130	22	13	SLP-35EE2	SLP-35EE2S1
	35	22	0.5	16	16	13	120	22	13	SLP-35VE2	SLP-35VE2S1
1-1/2"	40	30	0.5	16	16	13	80	22	13	SLP-40E2	SLP-40E2S1
	40	30	0.5	16	16	13	130	22	13	SLP-40EE2	SLP-40EE2S1
	40	30	0.5	16	16	13	120	22	13	SLP-40VE2	SLP-40VE2S1
2"	50	48	0.5	16	16	13	80	22	13	SLP-50E2	SLP-50E2S1
	50	48	0.5	16	16	13	130	22	13	SLP-50EE2	SLP-50EE2S1
	50	48	0.5	16	16	13	120	22	13	SLP-50VE2	SLP-50VE2S1
Flange 4 ports	25	12	0.5	16	16	13	80	22	13	—	SLPFE2-25LS1
	25	12	0.5	16	16	13	130	22	13	—	SLPFE2-25LS1
	25	12	0.5	16	16	13	120	22	13	—	SLPFE2-25LS1
	35	22	0.5	16	16	13	80	22	13	—	SLPFE2-35LS1
	35	22	0.5	16	16	13	130	22	13	—	SLPFE2-35LS1
	35	22	0.5	16	16	13	120	22	13	—	SLPFE2-35LS1
	40	30	0.5	16	16	13	80	22	13	—	SLPFE2-40LS1
	40	30	0.5	16	16	13	130	22	13	—	SLPFE2-40LS1
	40	30	0.5	16	16	13	120	22	13	—	SLPFE2-40LS1
	50	48	0.5	16	16	13	80	22	13	—	SLPFE2-50LS1
	50	48	0.5	16	16	13	130	22	13	—	SLPFE2-50LS1
	50	48	0.5	16	16	13	120	22	13	—	SLPFE2-50LS1
	85	52	0.5	12	12	8	80	33	20	—	SLPFE2-85LS1
	85	52	0.5	12	12	8	120	33	20	—	SLPFE2-85LS1
	85	52	0.5	12	12	8	120	33	20	—	SLPFE2-85LS1
	90	80	0.5	12	12	8	80	33	20	—	SLPFE2-90LS1
	90	80	0.5	12	12	8	120	33	20	—	SLPFE2-90LS1
	90	80	0.5	12	12	8	120	33	20	—	SLPFE2-90LS1
	100	128	0.5	12	12	8	80	33	20	—	SLPFE2-100LS1
	100	128	0.5	12	12	8	120	33	20	—	SLPFE2-100LS1
	100	128	0.5	12	12	8	120	33	20	—	SLPFE2-100LS1



SLP-H 2/2 Solenoid Valve (Normal Open)



SLP06E2-1LH



SLP06E2-1LS1H



SLP-20H



SLP-15S1H

New Technology
Just change one
part, the N.O.
valve can change
to N.C. valve

Port Size	Orifice (mm)	CV Value	Min. Pressure	Pressure Difference (Bar)			Max. Temperature (°C)	Power		Model	
				Max. Working Pressure				VA AC 220	W DC 24V	220VAC	50/60Hz
				Air, Gas	Water, Hot Water, Liquid	Light Oil <20CSTT					
1/8"	1	0.04	0	30	30	25	80	22	13	SLP06E2-1LH	SLP06E2-1LS1H
	1	0.04	0	30	30	-	130	22	13	SLP06EE2-1LH	SLP06EE2-1LS1H
	1	0.04	0	30	30	25	120	22	13	SLP06VE2-1LH	SLP06VE2-1LS1H
	1.5	0.09	0	20	20	15	80	22	13	SLP06E2-1.5LH	SLP06E2-1.5LS1H
	1.5	0.09	0	20	20	-	130	22	13	SLP06EE2-1.5LH	SLP06EE2-1.5LS1H
	1.5	0.09	0	20	20	15	120	22	13	SLP06VE2-1.5LH	SLP06VE2-1.5LS1H
	2.5	0.2	0	15	15	12	80	22	13	SLP06E2-2.5LH	SLP06E2-2.5LS1H
	2.5	0.2	0	15	15	-	130	22	13	SLP06EE2-2.5LH	SLP06EE2-2.5LS1H
	2.5	0.2	0	15	15	12	120	22	13	SLP06VE2-2.5LH	SLP06VE2-2.5LS1H
	3	0.25	0	12	12	10	80	22	13	SLP06E2-3LH	SLP06E2-3LS1H
	3	0.25	0	12	12	-	130	22	13	SLP06EE2-3LH	SLP06EE2-3LS1H
	3	0.25	0	12	12	10	120	22	13	SLP06VE2-3LH	SLP06VE2-3LS1H
1/4"	1	0.04	0	30	30	25	80	22	13	SLP08E2-1LH	SLP08E2-1LS1H
	1	0.04	0	30	30	-	130	22	13	SLP08EE2-1LH	SLP08EE2-1LS1H
	1	0.04	0	30	30	25	120	22	13	SLP08VE2-1LH	SLP08VE2-1LS1H
	1.5	0.09	0	20	20	15	80	22	13	SLP08E2-1.5LH	SLP08E2-1.5LS1H
	1.5	0.09	0	20	20	-	130	22	13	SLP08EE2-1.5LH	SLP08EE2-1.5LS1H
	1.5	0.09	0	20	20	15	120	22	13	SLP08VE2-1.5LH	SLP08VE2-1.5LS1H
	2.5	0.2	0	15	15	12	80	22	13	SLP08E2-2.5LH	SLP08E2-2.5LS1H
	2.5	0.2	0	15	15	-	130	22	13	SLP08EE2-2.5LH	SLP08EE2-2.5LS1H
	2.5	0.2	0	15	15	12	120	22	13	SLP08VE2-2.5LH	SLP08VE2-2.5LS1H
	3	0.25	0	12	12	10	80	22	13	SLP08E2-3LH	SLP08E2-3LS1H
	3	0.25	0	12	12	-	130	22	13	SLP08EE2-3LH	SLP08EE2-3LS1H
	3	0.25	0	12	12	10	120	22	13	SLP08VE2-3LH	SLP08VE2-3LS1H
3/8"	13	4.5	0.5	8	8	7	80	33	32	SLP10E2-13LH	SLP10E2-13LS1H
	13	4.5	0.5	8	8	-	120	33	32	SLP10EE2-13LH	SLP10EE2-13LS1H
	13	4.5	0.5	8	8	7	120	33	32	SLP10VE2-13LH	SLP10VE2-13LS1H
1/2"	13	4.5	0.5	8	8	7	80	33	32	SLP15E2-13LH	SLP15E2-13LS1H
	13	4.5	0.5	8	8	-	120	33	32	SLP15EE2-13LH	SLP15EE2-13LS1H
	13	4.5	0.5	8	8	7	120	33	32	SLP15VE2-13LH	SLP15VE2-13LS1H
3/4"	20	7.6	0.5	8	8	7	80	33	32	SLP-20E2H	SLP-20E2S1H
	20	7.6	0.5	8	8	-	120	33	32	SLP-20EE2H	SLP-20EE2S1H
	20	7.6	0.5	8	8	7	120	33	32	SLP-20VE2H	SLP-20VE2S1H
1"	25	12	0.5	8	8	7	80	33	32	SLP-25E2H	SLP-25E2S1H
	25	12	0.5	8	8	-	120	33	32	SLP-25EE2H	SLP-25EE2S1H
	25	12	0.5	8	8	7	120	33	32	SLP-25VE2H	SLP-25VE2S1H
1-1/4"	35	22	0.5	8	8	7	80	33	32	SLP-35E2H	SLP-35E2S1H
	35	22	0.5	8	8	-	120	33	32	SLP-35EE2H	SLP-35EE2S1H
	35	22	0.5	8	8	7	120	33	32	SLP-35VE2H	SLP-35VE2S1H

Port Size	Orifice (mm)	CV Value	Min. Pressure	Pressure Difference (Bar)			Max. Temperature (°C)	Power		Model 220VAC 50/60Hz	
				Max. Working Pressure				VA	W		
				Air, Gas	Water, Hot Water, Liquid	Light Oil ≤20CSTT	AC 220	DC 24V	Brass	Stainless Steel	
1-1/2"	40	30	0.5	8	8	7	80	33	32	SLP-40E2H	SLP-40E2S1H
	40	30	0.5	8	8		120	33	32	SLP-40EE2H	SLP-40EE2S1H
	40	30	0.5	8	8	7	120	33	32	SLP-40VE2H	SLP-40VE2S1H
2"	50	48	0.5	8	8	7	80	33	32	SLP-50E2H	SLP-50E2S1H
	50	48	0.5	8	8		120	33	32	SLP-50EE2H	SLP-50EE2S1H
	50	48	0.5	8	8	7	120	33	32	SLP-50VE2H	SLP-50VE2S1H
Flange 4 port	25	12	0.5	8	8	7	80	33	32	—	SLPFE2-25LS1H
	25	12	0.5	8	8		120	33	32	—	SLPFE2-25LS1H
	25	12	0.5	8	8	7	120	33	32	—	SLPFVE2-25LS1H
Flange 4 port	35	22	0.5	8	8	7	80	33	32	—	SLPFE2-35LS1H
	35	22	0.5	8	8		120	33	32	—	SLPFE2-35LS1H
	35	22	0.5	8	8	7	120	33	32	—	SLPFVE2-35LS1H
Flange 4 port	40	30	0.5	8	8	7	80	33	32	—	SLPFE2-40LS1H
	40	30	0.5	8	8		120	33	32	—	SLPFE2-40LS1H
	40	30	0.5	8	8	7	120	33	32	—	SLPFVE2-40LS1H
Flange 4 port	50	48	0.5	8	8	7	80	33	32	—	SLPFE2-50LS1H
	50	48	0.5	8	8		120	33	32	—	SLPFE2-50LS1H
	50	48	0.5	8	8	7	120	33	32	—	SLPFVE2-50LS1H

ESP Series 2/2 Solenoid Valve (Normal Close)

How to Order?

ESP	-	10	--	E2
ESP Series		Port size 10: 3/8" 15: 1/2" 20: 3/4" 25: 1" 35: 1-1/4" 40: 1-1/2"		Voltage E1: AC110V E2: AC220V E3: AC380V E4: DC24V E5: DC12V E6: AC36V E7: AC24V E8: DC110V E9: DC48V E10: DC36V

Order example:

* ESP series, 2 position, 2 port, AC110V, 3/8" port size, Normal Close, Model: ESP-10E1



ESP-10

Specifications

Model	ESP-10	ESP-15	ESP-20	ESP-25	ESP-35	ESP-40
Working Medium	Air, Gas, Water, Liquid					
Working Temperature(°C)	0-65					
Working Style	Diaphragm					
Orifice(mm)	15	15	25	25	40	40
Joint Size	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"
Working Pressure(Bar)	0.5-7					
Max. Pressure(Bar)	9					
Valve Body	Reinforce Nylon					

ZSP Series Solenoid Valve (Normal Close)

How to Order?

ZSP -- 15 -- -- E1

ZSP Series Port size
15: 1/2"
20: 3/4"
25: 1"

Blank: NBR
V: VITON
E: EPDM

Voltage
E1: AC110V
E2: AC220V
E4: DC24V
E5: DC12V
E7: AC24V

New Design
Light weight
Beautiful
Lower cost



ZSP-15

Order example:

*ZSP series, 2 position, 2 port, NBR seal, AC 110V, 1/2" port size, Model : ZSP-E1-15

Specifications

Model	ZSP-15	ZSP-20	ZSP-25
Working Medium	Air, Gas, Water, Liquid		
Working Temperature(°C)	-5~80		
Working Style	Diaphragm		
Orifice(mm)	15	20	25
Joint Size	1/2"	3/4"	1"
Working Pressure(Bar)	AC: 0-8 DC: 0-8		
Max. Pressure(Bar)	12		
Valve Body	PA6		
Seal Material	NBR (EPDM, VITON is optional)		

BSS Series 2.5"-6" Steam Solenoid Valve

How to Order?

BSS -- E2 -- 65 -- F

BSS Series big size steam solenoid valve

Voltage
E2: AC220V
E3: AC380V
E4: DC24V
E6: DC36V
E8: DC110V
E10: DC36V

Port size
65: 85mm
80: 80mm
100: 100mm
150: 150mm

Flange connection

New Design
Large size
Steam valve



BSS-2-65F

Order example:

*BSS series, 2 position, 2 port, 80mm flange connection, AC 220V, Model : BSSE2-80F

*BSS series, 2 position, 2 port, 150mm flange connection, DC 24V, Model : BSSE4-150F

Specifications

Model	BSSE2-85F	BSSE2-80F	BSSE2-100F	BSSE2-150F
Working Pressure	0.5-16Bar			
Medium	Steam, Water, Hot water, Air, Gas, light oil<20cst			
Medium Temperature	≤180°C			
Voltage	AC: 380V 220V 36V/50HZ DC: 24V 110V			
Insulation Class	B			
Voltage Tolerance	-10%~+10%			
Power	50W			
Response Time	Open≤3s Close≤5s			
Mounting Type	Clean medium, follow the arrow direction, upright, put a plastic cup on the coil when using in humidity environment for longer life.			
Body Material	Casting Steel			
Flange size	Flange: 4 hole x φ 17.5x145L	Flange: 4 hole x φ 17.5x160L	Flange: 4 hole x φ 17.5x180L	Flange: 4 hole x φ 22x240L

BM Series Bistable Solenoid Valve (Normal Close)

How to Order?

BM -- 15 -- -- E4 -- 3L -- -- F

BM Series Port size
06: 1/8"
08: 1/4"
10: 3/8"
15: 1/2"
20: 3/4"
25: 1"
35: 1-1/4"
40: 1-1/2"
50: 2"

Blank: NBR
V: VITON
E: EPDM

Voltage
E4: DC24V
E5: DC12V
E11: DC6V

Orifice(mm)
2L: 2
2.5L: 2.5
3L: 3
3.5L: 3.5
10L: 10
15L: 15
20L: 20
25L: 25
35L: 35
40L: 40
50L: 50

Valve body material
Blank: Brass
S2: SS304

Coil type
F: Flying leads
D: DIN Connector

New Design
Suitable for IC gas
meter, energy saving
irrigation and so on



BM-15

Order example:

*BM series, 2 position, 2 port, NBR seal, DC 24V, 1/2" port size, Orifice 15mm Brass Valve body, Model : M15E4-15L

Port Size	Orifice (mm)	CV Value	Min. Pressure	Pressure Difference (Bar)		Max. Working Pressure	Max. Temperature (°C)	Resistance Ω	Model 220VAC 50/60Hz	
				Air, Gas	Water, Hot Water, Liquid				Brass	Stainless Steel
1/8"	2	0.14	0	10	10	80	12.5		BM08E2-2LD	BM08E2-2LS2D
	2.5	0.23	0	9	9	80	12.5		BM08E2-2.5LD	BM08E2-2.5LS2D
	3	0.3	0	8	8	80	12.5		BM08E2-3LD	BM08E2-3LS2D
	3.5	0.4	0	6	6	80	12.5		BM08E2-3.5LD	BM08E2-3.5LS2D
1/4"	2	0.14	0	5	5	80	12		BM08E2-2LF	BM08E2-2LS2F
	2	0.14	0	10	10	80	12.5		BM08E2-2LD	BM08E2-2LS2D
	2.5	0.23	0	9	9	80	12.5		BM08E2-2.5LD	BM08E2-2.5LS2D
	3	0.3	0	8	8	80	12.5		BM08E2-3LD	BM08E2-3LS2D
3/8"	3.5	0.4	0	6	6	80	12.5		BM08E2-3.5LD	BM08E2-3.5LS2D
	3	0.3	0	8	8	80	12.5		BM10E2-3LD	BM10E2-3LS2D
	3.5	0.4	0	6	6	80	12.5		BM10E2-3.5LD	BM10E2-3.5LS2D
	10	4.5	0.5	10	10	80	12		BM10E2-10LF	BM10E2-10LS2F
1/2"	10	4.5	0.5	16	16	80	12.5		BM10E2-10LD	BM10E2-10LS2D
	15	4.5	0.5	10	10	80	12		BM16E2-16LF	BM16E2-16LS2F
3/4"	15	4.5	0.5	16	16	80	12.5		BM16E2-16LD	BM16E2-16LS2D
	20	7.8	0.5	10	10	80	12		BM20E2-20LF	BM20E2-20LS2F
1"	20	7.8	0.5	16	16	80	12.5		BM20E2-20LD	BM20E2-20LS2D
	25	12	0.5	10	10	80	12		BM25E2-25LF	BM25E2-25LS2F
1-1/4"	25	12	0.5	16	16	80	12.5		BM25E2-25LD	BM25E2-25LS2D
	35	22	0.5	10	10	80	12		BM35E2-35LF	BM35E2-35LS2F
1-1/2"	35	22	0.5	16	16	80	12.5		BM35E2-35LD	BM35E2-35LS2D
	40	30	0.5	10	10	80	12		BM40E2-40LF	BM40E2-40LS2F
2"	40	30	0.5	16	16	80	12.5		BM40E2-40LD	BM40E2-40LS2D
	50	48	0.5	10	10	80	12		BM50E2-50LF	BM50E2-50LS2F
	50	48	0.5	16	16	80	12.5		BM50E2-50LD	BM50E2-50LS2D

BS Series 2.5"-6" Big Size Solenoid Valve

How to Order?

BS -- E1 -- 15 -- F

BS Series big size solenoid valve

Voltage
E1: AC110V
E2: AC220V
E7: AC24V
E11: AC240V

Port size
65: 65mm
80: 80mm
100: 100mm
125: 125mm
150: 150mm

Flange connection

New Design
Large size
flange valve


BSE2-80F

Order example:

*BS series,2 position,2 port, 80mm flange connection, AC 220V,Model : BSE2-80F
*BS series,2 position,2 port, 125mm flange connection, AC 110V,Model : BSE1-125F

Specifications

Model	BSE2-65F	BSE2-80F	BSE2-100F	BSE2-125F	BSE2-150F
Working Pressure	0.3-8Bar				
Medium	Water, Hot water, Air, Gas, light oil<20cst				
Medium Temperature	≤75℃				
Voltage	AC: 110V 220V AC24V AC240 50/60HZ				
Insulation Class	B				
Voltage Tolerance	-10% ~ +10%				
Power	DN65-100 15W, DN125-150 30W				
Response Time	3-5 sec				
Mounting Type	Clean medium, follow the arrow direction, upright, put a plastic cup on the coil when using in humidity environment for longer life.				
Body Material	Casting Steel				
Flange size	Flange: 4 hole x φ 17.5x145L	Flange: 4 hole x φ 17.5x160L	Flange: 4 hole x φ 17.5x180L	Flange: 4 hole x φ 17.5x210L	Flange: 4 hole x φ 22x240L

HS/HSS Series 2.5"-12" Solenoid Valve

How to Order?

HS -- E2 -- 65 -- F -- [] -- []

HS:HS Series valve for normal fluids

Voltage
E2: AC220V
E4: DC24V

Port size
65: 65mm
80: 80mm
100: 100mm
125: 125mm
150: 150mm
200: 200mm
250: 250mm
300: 300mm

Flange connection

Blank: Casting steel body
S2: SS304 body

Blank: Normal type
E: Explosive proof
X: Signal feedback
S: with hand control

Blank: Normal close
H: Normal open

New Design
Large size
flange valve


HSE2-80F

Order example:

*HS series,2 position,2 port, 80mm flange connection, casting steel body, AC 220V,Model : HSE2-80F
*HSS series,2 position,2 port, 300mm flange connection, SS304 body, DC24V,Model : HSE4-150FS2

Specifications

Model	HSE2-65F	HSE2-80F	HSE2-100F	HSE2-125F	HSE2-150F	HSE2-200F	HSE2-250F	HSE2-300F
	HSSE2-65F	HSSE2-80F	HSSE2-100F	HSSE2-125F	HSSE2-150F	HSSE2-200F	HSSE2-250F	HSSE2-300F
Working Pressure	1~16Bar							
Medium	HS: water, air, gas, light oil <20cst, HSS: hot water, steam, hot oil, hot air<20cst							
Medium Temperature	HS ≤75℃, HSS ≤220℃							
Ambient Temperature	-20℃~60℃							
Voltage	AC: 220V 50/60HZ, DC: 24V							
Insulation Class	B							
Voltage Tolerance	-10% ~ +10%							
Power	AC: 20W DC:30W				AC: 35W DC:50W			
Response Time	DN65-DN200:2S, DN250-DN300:3S							
Mounting Type	Keep coil upright, mounting according to actual space							
Body Material	HS: Casting Steel HSS: SS304							
Flange size	4 hole x φ 18x145L	4 hole x φ 18x160L	4 hole x φ 18x180L	4 hole x φ 18x210L	4 hole x φ 22x240L	4 hole x φ 22x295L	4 hole x φ 26x355L	4 hole x φ 26x410L

ACV Series Plastic Solenoid Valve

How to Order?

ACV -- 15 -- E2 -- 3L

ACV Series

Port size
M8: M8x1
08: G1/4"
15: G1/2"
20: G3/4"
25: G1"

Voltage
E2: AC220V
E4: DC24V
Others special made

Orifice(mm)
2L: 2
3L: 3
4L: 4
6L: 6
12L: 12
15L: 15
20L: 20
25L: 25

New Design
For strong acid,
strong base liquid


ACV-08-E2-6L

Order example:

*PF series,2 position,2 port, port size G1/4", Orifice 6mm, AC 220V,Model : ACV-08-E2-6L

Specifications

Model	ACV-M8-E2-2L	ACV-M8-E2-3L	ACV-M8-E2-4L	ACV-M8-E2-6L	ACV-15-E2-12L	ACV-15-E2-15L	ACV-20-E2-20L	ACV-25-E2-25L
Working Pressure	0.2MPa						0-0.1MPa	
Medium	Strong acid/Strong base liquid, Ultra-clean medium							
Medium Temperature	0-60℃				-10-160℃			
Voltage	AC: 220V DC24V Others special made							
Voltage Tolerance	-10% ~ +10%							
Power	6.8W			15W			50W	
Body Material	PTFE				VITON			
Seal material	PTFE				VITON			

GUC Series Solenoid Valve

How to Order?

GUC -- 15 -- E2 -- 3L

GUC Series

Port size
15: G1/2"
20: G3/4"
25: G1"

Voltage
E2: AC220V
E4: DC24V
E5: DC12V

Orifice(mm)
15L: 15
20L: 20
25L: 25

New Design
Gas urgently
cut off valve


GUC-15-E2-15L

Order example:

*GUC series,2 position,2 port, port size G1/2", Orifice 15mm, AC 220V,Model : GUC-15-E2-15L

Specifications

Model	GUC-15-E2-15L	GUC-20-E2-15L	GUC-20-E2-20L	GUC-25-E2-25L
Working Pressure	0-500mbar			
Medium	Gas			
Ambient Temperature	-15-60℃			
Voltage	AC: 220V DC24V Others special made			
Voltage Tolerance	-10% ~ +10%			
Power	AC: 8VA DC: 7W			
Body Material	Brass			
Seal material	VITON (NBR is optional)			



How to Order?

ZS	--	06	--		--	E2	--	3L	--	S2	--	H
ZS Series		Port size 08: 1/8" 08: 1/4" 10: 3/8" 15: 1/2" 20: 3/4" 25: 1" 35: 1-1/4" 40: 1-1/2" 50: 2" F: Flange		Seal Material Blank: NBR V: VITON E: EPDM G: Silicon Rubber		Voltage E1: AC110V E2: AC220V E3: AC380V E4: DC24V E5: DC12V E6: AC36V E7: AC24V E8: DC110V E9: DC48V E10: DC36V		Orifice(mm) 2.5L: 2.5 3L: 3.0 4L: 4.0 5L: 5.0 6L: 6.0 7.5L: 7.5 10L: 10.0 16L: 16.0 20L: 20.0 25L: 25.0 32L: 32.0 40L: 40.0 50L: 50.0		Valve Body Blank: Brass S1: SS316 S2: SS304		Control Style Blank: Normal Close H: Normal Open

Order example:

* ZS series, 2 position, 2 port, AC110V, 1/8" port size, Orifice: 3mm, Brass, Normal Close, NBR Seal, Model: ZS06E1-3L

* ZS series, 2 position, 2 port, AC220V, 3/8" port size, Orifice: 16mm, SS304, Normal Open, VITON Seal, Model: ZS10VE2-16LS2H

Note: 2.5mm only available flying leads coil, other orifice all with DIN connector.

ZS 2/2 Solenoid Valve (Normal Close)



ZS-06-E2-2.5L



ZS-06-E2-2.5LS2



ZS-10



ZS-10S2



ZSF-S2

Port size	Orifice (mm)	CV Value	Min. pressure	Pressure difference (Bar)						Max. temperature (°C)	Power		Model 220VAC	
				Max. working pressure							VA	W		
				Air, Gas		Water, Hot water, Liquid		Light oil <20CST						
				AC	DC	AC	DC	AC	DC		AC	DC	AC 220	DC 24V
1/8"	2.5	0.23	0	7	5	7	5	7	5	80	13	8.5	ZS06E2-2.5L	ZS06E2-2.5LS2
	2.5	0.23	0	7	5	7	5	-	-	120	13	8.5	ZS06EE2-2.5L	ZS06EE2-2.5LS2
	2.5	0.23	0	7	5	7	5	7	5	120	13	8.5	ZS06VE2-2.5L	ZS06VE2-2.5LS2
1/4"	2.5	0.23	0	7	5	7	5	7	5	80	13	8.5	ZS06E2-2.5L	ZS06E2-2.5LS2
	2.5	0.23	0	7	5	7	5	-	-	120	13	8.5	ZS06EE2-2.5L	ZS06EE2-2.5LS2
	2.5	0.23	0	7	5	7	5	7	5	120	13	8.5	ZS06VE2-2.5L	ZS06VE2-2.5LS2
	10	1.0	0	20	16	20	16	20	16	80	22	13	ZS08E2-10L	—
	10	1.0	0	20	16	20	16	-	-	120	22	13	ZS08E2-10L	—
	10	1.0	0	20	16	20	16	20	16	120	22	13	ZS08E2-10L	—
	10	1.0	0	20	16	20	16	20	16	120	22	13	ZS08E2-10L	—

Port size	Orifice (mm)	CV Value	Pressure difference (Bar)							Max. temperature (°C)	Power		220VAC	
			Min. pressure	Max. working pressure					VA		W			
				Air, Gas		Water, Hot water, Liquid		Light oil <20CST						
				AC	DC	AC	DC	AC				DC		
3/8"	4	0.6	0	8	5	8	5	5	5	80	33	20	ZS10E2-4L	ZS10E2-4LS2
	4	0.6	0	8	5	8	5	-	-	120	33	20	ZS10EE2-4L	ZS10EE2-4LS2
	4	0.6	0	8	5	8	5	5	5	120	33	20	ZS10VE2-4L	ZS10VE2-4LS2
	10	1.8	0	20	16	20	16	20	16	80	22	13	ZS10E2-10L	—
	10	1.8	0	20	16	20	16	-	-	120	22	13	ZS10EE2-10L	—
	10	1.8	0	20	16	20	16	20	16	120	22	13	ZS10VE2-10L	—
	16	4.8	0	10	6	10	6	7	4	80	33	20	ZS10E2-16L	ZS10E2-16LS2
1/2"	16	4.8	0	10	6	10	6	7	4	120	33	20	ZS10EE2-16L	ZS10EE2-16LS2
	16	4.8	0	10	6	10	6	7	4	120	33	20	ZS10VE2-16L	ZS10VE2-16LS2
	10	1.9	0	20	16	20	16	20	16	80	22	13	ZS15E2-10L	—
	10	1.9	0	20	16	20	16	-	-	120	22	13	ZS15EE2-10L	—
	10	1.9	0	20	16	20	16	20	16	120	22	13	ZS15VE2-10L	—
	16	4.8	0	10	6	10	6	7	4	80	33	20	ZS15E2-16L	ZS15E2-16LS2
	16	4.8	0	10	6	10	6	7	4	120	33	20	ZS15EE2-16L	ZS15EE2-16LS2
3/4"	16	4.8	0	10	6	10	6	7	4	120	33	20	ZS15VE2-16L	ZS15VE2-16LS2
	20	7.6	0	10	6	10	6	7	4	80	33	20	ZS-20E2	ZS-20E2S2
	20	7.6	0	10	6	10	6	7	4	120	33	20	ZS-20EE2	ZS-20EE2S2
1"	20	7.6	0	10	6	10	6	7	4	120	33	20	ZS-20VE2	ZS-20VE2S2
	25	12	0	10	6	10	6	7	4	80	33	20	ZS-25E2	ZS-25E2S2
	25	12	0	10	6	10	6	7	4	120	33	20	ZS-25EE2	ZS-25EE2S2
	25	12	0	10	6	10	6	7	4	120	33	20	ZS-25VE2	ZS-25VE2S2
1-1/4"	25	12	0	10	6	10	6	7	4	120	33	20	ZS-25GE2	ZS-25GE2S2
	32	24	0	10	6	10	6	7	4	80	70	40	ZS-35E2	ZS-35E2S2
	32	24	0	10	6	10	6	7	4	120	70	40	ZS-35EE2	ZS-35EE2S2
1-1/2"	32	24	0	10	6	10	6	7	4	120	70	40	ZS-35VE2	ZS-35VE2S2
	40	29	0	10	6	10	6	7	4	80	70	40	ZS-40E2	ZS-40E2S2
	40	29	0	10	6	10	6	7	4	120	70	40	ZS-40EE2	ZS-40EE2S2
2"	40	29	0	10	6	10	6	7	7	120	70	40	ZS-40VE2	ZS-40VE2S2
	50	48	0	10	6	10	6	7	4	80	70	40	ZS-50E2	ZS-50E2S2
	50	48	0	10	6	10	6	7	4	120	70	40	ZS-50EE2	ZS-50EE2S2
Flange 4 ports	50	48	0	10	6	10	6	7	4	120	70	40	ZS-50VE2	ZS-50VE2S2
	25	12	0	10	6	10	6	7	4	80	70	40	—	ZSFE2-25LS2
	25	12	0	10	6	10	6	7	4	120	70	40	—	ZSFE2-25LS2
	25	12	0	10	6	10	6	7	4	120	70	40	—	ZSFE2-25LS2
	32	24	0	10	6	10	6	7	4	80	70	40	—	ZSFE2-32LS2
	32	24	0	10	6	10	6	7	4	120	70	40	—	ZSFE2-32LS2
	32	24	0	10	6	10	6	7	4	120	70	40	—	ZSFE2-32LS2
	40	29	0	10	6	10	6	7	4	80	70	40	—	ZSFE2-40LS2
	40	29	0	10	6	10	6	7	4	120	70	40	—	ZSFE2-40LS2
	40	29	0	10	6	10	6	7	4	120	70	40	—	ZSFE2-40LS2
	50	48	0	10	6	10	6	7	4	80	70	40	—	ZSFE2-50LS2
	50	48	0	10	6	10	6	7	4	120	70	40	—	ZSFE2-50LS2
	50	48	0	10	6	10	6	7	4	120	70	40	—	ZSFE2-50LS2
	65	75	0	6	5	6	5	3	2	80	55	64	—	ZSFE2-65LS2
	65	75	0	6	5	6	5	3	2	120	55	64	—	ZSFE2-65LS2
	65	75	0	6	5	6	5	3	2	120	55	64	—	ZSFE2-65LS2
	80	90	0	6	5	6	5	3	2	80	55	64	—	ZSFE2-80LS2
	80	90	0	6	5	6	5	3	2	120	55	64	—	ZSFE2-80LS2
	80	90	0	6	5	6	5	3	2	120	55	64	—	ZSFE2-80LS2
	100	160	0	6	5	6	5	3	2	80	55	64	—	ZSFE2-100LS2
	100	160	0	6	5	6	5	3	2	120	55	64	—	ZSFE2-100LS2
100	160	0	6	5	6	5	3	2	120	55	64	—	ZSFE2-100LS2	

* Orifice: 2.5mm, Only flying leads Coil



ZS-H 2/2 Solenoid Valve (Normal Open)



ZS-H



ZS-S2H

Port Size	Orifice (mm)	CV Value	Pressure Difference (Bar)						Max. Temperature (°C)	Power		Model 220VAC		
			Min. Pressure	Max. Working Pressure				VA		W				
				Air, Gas		Water, Hot Water, Liquid					Light Oil <20CSTT			
				AC	DC	AC	DC				AC	DC	AC 220	DC 24V
3/8"	4.0	0.6	0	5	3	5	3	3	3	80	57	32	ZS10E2-4LH	ZS10E2-4LS2H
	4.0	0.6	0	5	3	5	3			120	57	32	ZS10EE2-4LH	ZS10EE2-4LS2H
	4.0	0.6	0	5	3	5	3	3	3	120	57	32	ZS10VE2-4LH	ZS10VE2-4LS2H
	16	4.8	0	5	3	3	5	3	3	80	57	32	ZS10E2-16LH	ZS10E2-16LS2H
	16	4.8	0	5	3	3	5			120	57	32	ZS10EE2-16LH	ZS10EE2-16LS2H
1/2"	16	4.8	0	5	3	5	3	3	3	80	57	32	ZS15E2-16LH	ZS15E2-16LS2H
	16	4.8	0	5	3	5	3			120	57	32	ZS15EE2-16LH	ZS15EE2-16LS2H
	16	4.8	0	5	3	5	3	3	3	120	57	32	ZS15VE2-16LH	ZS15VE2-16LS2H
3/4"	20	7.6	0	5	3	5	3	3	3	80	57.2	32	ZS-20E2H	ZS-20E2S2H
	20	7.6	0	5	3	5	3			120	57.2	32	ZS-20EE2H	ZS-20EE2S2H
	20	7.6	0	5	3	5	3	3	3	120	57.2	32	ZS-20VE2H	ZS-20VE2S2H
1"	25	12	0	5	3	5	3	3	3	80	57.2	32	ZS-25E2H	ZS-25E2S2H
	25	12	0	5	3	5	3			120	57.2	32	ZS-25EE2H	ZS-25EE2S2H
	25	12	0	5	3	5	3	3	3	120	57.2	32	ZS-25VE2H	ZS-25VE2S2H
1-1/4"	32	24	0	5	3	5	3	3	3	80	70	40	ZS35E2-32LH	ZS35E2-32LS2H
	32	24	0	5	3	5	3			120	70	40	ZS35EE2-32LH	ZS35EE2-32LS2H
	32	24	0	5	3	5	3	3	3	120	70	40	ZS35VE2-32LH	ZS35VE2-32LS2H
1-1/2"	40	29	0	5	3	5	3	3	3	80	70	40	ZS-40E2H	ZS-40E2S2H
	40	29	0	5	3	5	3			120	70	40	ZS-40EE2H	ZS-40EE2S2H
	40	29	0	5	3	5	3	3	3	120	70	40	ZS-40VE2H	ZS-40VE2S2H
2"	50	48	0	5	3	5	3	3	3	80	70	40	ZS-50E2H	ZS-50E2S2H
	50	48	0	5	3	5	3			120	70	40	ZS-50EE2H	ZS-50EE2S2H
	50	48	0	5	3	5	3	3	3	120	70	40	ZS-50VE2H	ZS-50VE2S2H
Flange 4 Port	25	12	0	5	3	5	3	3	3	80	57	32	—	ZSFE2-25LS2H
	25	12	0	5	3	5	3			120	57	32	—	ZSFE2-25LS2H
	25	12	0	5	3	5	3	3	3	120	57	32	—	ZSFVE2-25LS2H
	32	24	0	5	3	5	3	3	3	80	70	40	—	ZSFE2-32LS2H
	32	24	0	5	3	5	3			120	70	40	—	ZSFE2-32LS2H
	32	24	0	5	3	5	3	3	3	120	70	40	—	ZSFVE2-32LS2H
	40	29	0	5	3	5	3	3	3	80	70	40	—	ZSFE2-40LS2H
	40	29	0	5	3	5	3			120	70	40	—	ZSFE2-40LS2H
	40	29	0	5	3	5	3	3	3	120	70	40	—	ZSFVE2-40LS2H
	50	48	0	5	3	5	3	3	3	80	70	40	—	ZSFE2-50LS2H
	50	48	0	5	3	5	3			120	70	40	—	ZSFE2-50LS2H
	50	48	0	5	3	5	3	3	3	120	70	40	—	ZSFVE2-50LS2H

PU 2/2 Solenoid Valve (Normal Close)

How to Order?

PU220 -- -- E1 -- 03 -- S -- T

PU220 Series Blank: NBR V: VITON Voltage E1: AC110V E2: AC220V E3: DC12V E4: DC24V Port Size 03: 3/8" 04: 1/2" 06: 3/4" 08: 1" Blank Standard Type S: Small Orifice Type T: With Timer



PU

PUT

Order example:

* PU220 series, 2 position, 2 port, NBR seal, 3/8" port size, small orifice, Voltage: AC220V, Model: PU220E2-03S
* PU220 series, 2 position, 2 port, NBR seal, 1/2" port size, with Timer, Voltage: DC24V, Model: PU220E4-04T

Specifications

Model	PU220E2-03S	PU220E2-04S	PU220E2-06	PU220E2-04	PU220E2-06	PU220E2-08
	PU220E2-03S	PU220E2-04S	PU220E2-03	PU220E2-04	PU220E2-06	PU220E2-08
Working Medium	Air, Water, Oil					
Orifice (mm)	6.0	8.0	13	13	20	25
Cv Value	1.00	1.00	4.00	4.00	8.60	11.00
Port Size	3/8"	1/2"	3/8"	1/2"	3/4"	1"
Fluid Viscosity	50 CST					
Working Pressure (Bar)	0-7					
Max. Pressure Resistance (Bar)	11					
Working Temperature Range (°C)	-5-80					

* With Voltage AC220V

2V Series 2/2 Solenoid Valve (Normal Close)

How to Order?

2V -- -- 025 -- E1 -- 06

2V Series Blank: NBR V: VITON Orifice 025: 2mm 130: 13mm 250: 25mm Voltage E1: AC110V E2: AC220V E3: AC380V E4: DC24V E5: DC12V E7: AC24V Port Size 06: 1/8" 08: 1/4" 10: 3/8" 15: 1/2" 20: 3/4" 25: 1"

Order example:

* 2V series, 2 position, 2 port, NBR seal, 1/4" port size, orifice 2.5mm, Voltage AC220V, Model: 2V025E2-08

Specifications

Model	2V025-06	2V025-08	2V130-10	2V130-15	2V250-20	2V250-25
Working medium	Air, Water, Steam					
Acting type	Direct acting Type			Pilot Type		
Type	Normal Close Type					
Orifice(mm)	2		13		25	
Cv value	0		8		23	
Port size	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Fluid viscosity	20 CST Below					
Working pressure(Bar)	Air, Water, Oil : 0-8			Air, Water, Oil : 0.5-7		
Max. Pressure resistance(Bar)	12			11		
Working temperature range(°C)	-10-80					
Voltage Range	± 10%					
Protect Class	IP65					
Power Consumption	AC:7VA/50Hz, 8VA/50Hz, DC:5W					
Insulation	Class F					
Material of Valve Body	Brass					
Seal Material	NBR or VITON			NBR		
Shortest Response Time	0.05s / second					



UD Series 2/2 Solenoid Valve (Normal Close)



How to Order?

UD	-		-	10	-	E1
UD Series				Port Size		E1: AC110V
UDH: High Pressure		Blank: NBR		08: 1/8"		E2: AC220V
		V: VITON		08: 1/4"		E3: AC380V
				10: 3/8"		E4: DC24V
						E5: DC12V
						E6: AC36V
						E7: AC24V

Order example:
 * UD series, 2 position, 2 port, NBR seal, 1/4" port size, orifice 2.5mm, voltage AC220V, Model: UDE2-08
 * UDH High Pressure series, 2 position, 2 port, NBR seal, 1/4" port size, orifice 1.2mm, voltage AC220V, Model: UDHE2-08

Specifications

Model	UD-08E2	UD-10E2	UD-15E2	UDH-08E2	UDH-10E2	UDH-15E2
Working Medium	Air, Water, Oil, Gas					
Acting Type	Direct acting					
Type	Normal Close Type					
Orifice(mm)	2.5	4	1.2	2		
Cv Value	0.23	0.8	0.05	0.15		
Port Size	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"
Fluid Viscosity	20 CST (Below)					

* With Voltage AC220V

Model	UD-08E2	UD-10E2	UD-15E2	UDH-08E2	UDH-10E2	UDH-15E2
Working Pressure(Bar)	0-7					
Max. Pressure Resistance(Bar)	10					
Working Temperature Range(°C)	-5-80					
Voltage Range	±10%					
Material of Valve Body	Brass					
Seal Material	NBR, VITON (optional)					

UW Series 2/2 Solenoid Valve (Normal Close)

How to Order?

UW	-		-	06	-	E1
UW Series				Port Size		Voltage
		Blank: NBR		06: 1/8"		E1: AC110V
		V: VITON		10: 3/8"		E2: AC220V
				20: 3/4"		E3: AC380V
				35: 1-1/4"		E4: DC24V
				50: 2"		E5: DC12V
						E6: AC36V
						E7: AC24V

Order example:
 * UW series, 2 position, 2 port, NBR seal, 1/2" port size, voltage AC220V, Model: UW-15E2



UW

Specifications

* With Voltage AC220V

Model	UW-10E2	UW-15E2	UW-20E2	UW-25E2	UW-35E2	UW-40E2	UW-50E2
Orifice(mm)	16	18	20	25	35	40	50
Cv Value	4.8	4.8	7.6	12	24	29	48
Port Size	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Fluid Viscosity	20 CST Below						
Working Pressure(Bar)	Water: 0-5, Air: 0-7, Oil: 0-5, Gas: 0-7						
Max. Pressure Resistance(Bar)	11						
Working Temperature Range(°C)	-5-80						
Voltage Range	±10%						
Valve Body	Brass						
Seal Material	NBR, VITON (optional)						

UWS Series 2/2 Solenoid Valve (Normal Close)



How to Order?

UWS	-		-	06	-	E1
UWS: SS304 Series				Port Size		Voltage
		Blank: NBR		08: 1/8"		E1: AC110V
		V: VITON		10: 1/4"		E2: AC220V
				10B: 3/8"		E3: AC380V
				15: 1/2"		E4: DC24V
				20: 3/4"		E5: DC12V
				25: 1"		E6: AC36V
				35: 1-1/4"		E7: AC24V
				40: 1-1/2"		
				50: 2"		

Order example:
 * UWS SS304 series, 2 position, 2 port, NBR seal, 1/2" port size, voltage AC220V, Model: UWS-15E2

Specifications

* With Voltage AC220V

Model	UWS-08E2	UWS-10E2	UWS-15E2	UWS-20E2	UWS-25E2	UWS-35E2	UWS-40E2	UWS-50E2
Orifice(mm)	2.5	2.5	4	16	16	20	25	35
Cv Value	0.23	0.23	0.6	4.8	4.8	7.6	12	24
Port Size	1/8"	1/4"	3/8"	3/8"	1/2"	3/4"	1"	1-1/4"
Fluid Viscosity	20 CST (Below)							
Working Pressure(Bar)	Water: 0-5, Air: 0-7, Oil: 0-5, Gas: 0-7							
Max. Pressure Resistance(Bar)	10.5							
Working Temperature Range(°C)	-5-80							
Voltage Range	±10%							
Material of Valve Body	Stainless Steel 304							
Seal Material	NBR, VITON (optional)							

2P Series 2/2 Solenoid Valve (Normal Close)

How to Order?

2P	-	025	-		-	06	-	E1	-	
2P Series		Orifice				Port Size		Voltage		
		025: 2.5mm		Blank: NBR		06: 1/8"		E1: AC110V		
				V: VITON		08: 1/4"		E2: AC220V		
								E3: AC380V		
								E4: DC24V		
								E5: DC12V		
								E6: AC36V		
								E7: AC24V		

Order example:
 * 2P series, 2 position, 2 port, NBR seal, 1/4" port size, voltage AC220V, Model: 2P025-08E2



2P025-08E2F

Specifications

* With Voltage AC220V

Model	2P025-08E2	2P025-08E2F
Working Medium	Air, Water, Oil, Gas	
Acting Type	Direct acting	
Type	Normal Close Type	
Orifice(mm)	2.5	
Cv Value	0.23	
Port Size	1/8"	1/4"
Fluid Viscosity	20 CST (Below)	
Working Pressure(Bar)	0-7	
Max. Pressure Resistance(Bar)	11	
Working Temperature Range(°C)	-5-80	
Voltage Range	±10%	
Power Consumption	AC:7VA/50Hz, 6VA/50Hz, DC:6W	
Material of Valve Body	Engineering Plastic Steel	
Seal Material	NBR, VITON (optional)	

How to Order?

THP	--	06	--	E2	--		--	2.5L	--	S2	--		--	
THP Series	Port size	Voltage	Seal Material	Orifice(mm)	Valve Body	Control Style								
06: 1/8"	E1: AC110V	Blank: NBR	2.5L: 2.5	Blank: Brass	Blank: Normal Close									
08: 1/4"	E2: AC220V	T: Teflon	4.5L: 4.5	S1: SS316	H: Normal Open									
10: 3/8"	E3: AC380V	V: VITON	15L: 15.0	S2: SS304										
15: 1/2"	E4: DC24V	E: EPDM	20L: 20.0											
20: 3/4"	E5: DC12V	(N,V,E Orifice ≤ 5.5mm)	25L: 25.0											
25: 1"	E6: AC36V	Optional)	35L: 35.0											
35: 1-1/4"	E7: AC24V		40L: 40.0											
40: 1-1/2"	E8: DC110V		50L: 50.0											
50: 2"	E9: DC48V													
25F: 1" Flange	E10: DC36V													
35F: 1-1/4" Flange														
40F: 1-1/2" Flange														
50F: 2" Flange														

Order example:

* THP series, 2 position, 2 port, AC110V, 1/8" port size, Orifice: 2.5mm, Brass, Normal Close, NBR Seal, DIN Coil, Model: THP06E1-2.5L

* THP series, 2 position, 2 port, AC220V, 3/8" port size, Orifice: 15mm, SS304, Normal Open, Teflon Seal, Flying Leads Coil, Model: THP10TE2-15LS2HF

THP Series 2/2 Solenoid Valve (Normal Close)



THP-15TE2



THP-15TE2S2

New
Teflon Seal
+25 Bar

Port size	Orifice (mm)	CV value	Pressure difference (Bar)								Max. temperature (°C)	Power		Model 220CAC 50/60HZ	Main dimensions	
			Min. pressure	Max. working pressure						AC/DC		VA	W		Length x Width x Height AxBxD(mm)	
				Air/Gas		Water, Hot water, Liquid		Light oil ≤20CST								
				AC	DC	AC	DC	AC	DC							
1/8"	2.5	0.23	0	8	8	8	8	6	6	10	180	22	13	THP06E2T-2.5L	—	48 x 25 x 85.5
	2.5	0.23	0	13	13	13	13	7	7	10	110	22	13	THP06E2V-2.5L	—	48 x 25 x 85.5
	4.5	0.6	0	7	4	7	4	4	4	7	165	22	13	THP06E2T-4.5L	—	58 x 25 x 85.5
	4.5	0.6	0	7	4	7	4	4	4	7	110	22	13	THP06E2V-4.5L	—	58 x 25 x 85.5
1/4"	2.5	0.23	0	7	4	7	4	4	4	10	180	22	13	THP08E2T-2.5L	—	48 x 25 x 85.5
	2.5	0.23	0	13	13	13	13	7	7	10	110	22	13	THP08E2V-2.5L	—	48 x 25 x 85.5
	4.5	0.6	0	7	4	7	4	4	4	7	165	22	13	THP08E2T-4.5L	—	58 x 25 x 85.5
	4.5	0.6	0	7	4	7	4	4	4	7	110	22	13	THP08E2V-4.5L	—	58 x 25 x 85.5
3/8"	15	4.5	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	15	4.5	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
1/2"	15	4.5	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	15	4.5	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
3/4"	20	9.0	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	20	9.0	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
1"	25	13	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	25	13	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
1-1/4"	35	26	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	35	26	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
1-1/2"	35	26	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	35	26	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
2"	50	48	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	50	48	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
1"	25	13	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	25	13	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
Flange	25	13	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	25	13	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
1-1/4"	35	26	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	35	26	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
1-1/2"	35	26	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	35	26	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
Flange	35	26	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	35	26	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
2"	50	45	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	50	45	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	
Flange	50	45	0.5	25	20	25	20	20	20	110	33	32	THP10E2V-15L	THP10E2V-15LS2	75 x 52 x 129	
	50	45	0.5	25	20	25	20	20	20	110	33	32	THP10E2T-15L	THP10E2T-15LS2	75 x 52 x 129	

Port Size	Orifice mm	CV Value	Pressure Difference (Bar)										Max. Temperature (°C)	Power		Model 220CAC 50/60HZ
			Min. Pressure	Max. Working Pressure						Steam	VA	W				
				Air, Gas		Water, Hot Water, Liquid		Light Oil ≤20CST								
				AC	DC	AC	DC	AC	DC					AC/DC		
1-1/4"	35	26	0.5	25	20	25	20	20	20		110	33	32	THP-35E2V	THP-35E2VS2	
	35	26	0.5	25	20	25	20	20	20	10	185	30	25	THP-35E2T	THP-35E2TS2	
1-1/2"	35	26	0.5	25	20	25	20	20	20		110	33	32	THP40E2V-35L	THP40E2V-35LS2	
	35	26	0.5	25	20	25	20	20	20	10	185	30	25	THP40E2T-35L	THP40E2T-35LS2	
2"	50	48	0.5	25	20	25	20	20	20		110	33	32	---	THP-50E2VS2	
	50	48	0.5	25	20	25	20	20	20	10	185	30	25	---	THP-50E2TS2	
1"	25	13	0.5	25	20	25	20	20	20		110	33	32	---	THP-25FE2VS2	
	25	13	0.5	25	20	25	20	20	20	10	185	30	25	---	THP-25FE2TS2	
1-1/4" Flange	35	26	0.5	25	20	25	20	20	20		110	33	32	---	THP-35FE2VS2	
1-1/2" Flange	35	26	0.5	25	20	25	20	20	20	10	185	30	25	---	THP-35FE2TS2	
1-1/2"	35	26	0.5	25	20	25	20	20	20		110	33	32	---	THP40FE2V-35LS2	
	35	26	0.5	25	20	25	20	20	20	10	185	30	25	---	THP40FE2T-35LS2	
2"	50	45	0.5	25	20	25	20	20	20		110	33	32	---	THP-50FE2VS2	
	50	45	0.5	25	20	25	20	20	20	10	185	30	25	---	THP-50FE2TS2	

THP-H Series 2/2 Solenoid Valve (Normal Open)



THP-15TE2H



THP-15TE2S2H

New
Teflon Seal

(G) Port size	Orifice (mm)	CV value	Pressure difference (Bar)					Max. temperature (°C)	Power		Model 220CAC 50/60HZ		
			Min. pressure	Max. working pressure			VA AC 220V		W DC 24V				
				Air, Gas	Water, Hot water, Liquid	Light oil ≤20CST				Steam			
3/8"	15	4.5	0.5	8	8	8	8	130	33	32	THP10E2T-15LH	THP10E2T-15LS2H	
	15	4.5	0.5	8	8	8	8	130	33	32	THP10E2T-15LHF	THP10E2T-15LS2HF	
1/2"	15	4.5	0.5	8	8	8	8	130	33	32	THP-15E2TH	THP-15E2TS2H	
	15	4.5	0.5	8	8	8	8	130	33	32	THP-15E2THF	THP-15E2TS2HF	
3/4"	20	9.0	0.5	8	8	8	8	130	33	32	THP-20E2TH	THP-20E2TS2H	
	20	9.0	0.5	8	8	8	8	130	33	32	THP-20E2THF	THP-20E2TS2HF	
1"	25	13	0.5	8	8	8	8	130	33	32	THP-25E2TH	THP-25E2TS2H	
	25	13	0.5	8	8	8	8	130	33	32	THP-25E2THF	THP-25E2TS2HF	
1-1/4"	35	26	0.5	6	6	6	6	130	33	32	THP-35E2TH	THP-35E2TS2H	
	35	26	0.5	6	6	6	6	130	33	32	THP-35E2THF	THP-35E2TS2HF	
1-1/2"	35	26	0.5	6	6	6	6	130	33	32	THP40E2T-35LH	THP40E2T-35LS2H	
	35	26	0.5	6	6	6	6	130	33	32	THP40E2T-35LHF	THP40E2T-35LS2HF	
1" Flange	25	13	0.5	8	8	8	8	130	33	32	-	THP-25FE2TS2H	
	25	13	0.5	8	8	8	8	130	33	32	-	THP-25FE2TS2HF	
1-1/4" Flange	35	26	0.5	6	6	6	6	130	33	32	-	THP-35FE2TS2H	
	35	26	0.5	6	6	6	6	130	33	32	-	THP-35FE2TS2HF	
1-1/2" Flange	35	26	0.5	6	6	6	6	130	33	32	-	THP40FE2T-35LS2H	
	35	26	0.5	6	6	6	6	130	33	32	-	THP40FE2T-35LS2HF	
2" Flange	50	48	0.5	6	6	6	6	130	33	32	-	THP-50FE2TS2H	
	50	48	0.5	6	6	6	6	130	33	32	-	THP-50FE2TS2HF	



US Series 2/2 High-Temperature Solenoid Valve (Normal Close)

How to Order?



US -- 10 -- E1

US Series Blank: PTFE

Port Size
10: 3/8" 35: 1-1/4"
15: 1/2" 40: 1-1/2"
20: 3/4" 50: 2"
25: 1"

Voltage
E1: AC110V E5: DC12V
E2: AC220V E6: AC38V
E3: AC380V E7: AC24V
E4: DC24V

Order example:

* US series, 2 position, 2 port, NBR seal, 3/8" port size, AC220V, Model: US-10E2

Specifications

Model	US-10E2	US-15E2	US-20E2	US-25E2	US-35E2	US-40E2	US-50E2	Model	US-10E2	US-15E2	US-20E2	US-25E2	US-35E2	US-40E2	US-50E2
Working Medium	Air, Water, Steam							Working Pressure(Bar)	1-15						
Acting Type	Pilot Type							Max. Pressure Resistance(Bar)	23						
Type	Normal Close Type							Working Temperature Range(°C)	-5-180						
Orifice(mm)	17		22		30		50	Voltage Range	± 10%						
Cv Value	5		12		20		48	Material of Valve Body	Brass						
Port Size	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	Seal Material	PTFE						
Fluid Viscosity	20 CST (Below)														

* With Voltage AC220V

HUS Stainless Steel Series 2/2 High-Temperature Solenoid Valve (Normal Close)

How to Order?

HUS -- 10 -- T -- E2 -- 15L -- S2

HUS SS316 Series

Port size
10: 3/8" 35: 1-1/4"
15: 1/2" 40: 1-1/2"
20: 3/4" 50: 2"
25: 1" F: Flange

Seal Material
T: Teflon

Voltage
E1: AC110V
E2: AC220V
E4: DC24V

Orifice(mm)
15L= 15.0
20L= 20.0
25L= 25.0
35L= 35.0
40L= 40.0
50L= 50.0

Valve Body
S2: SS304

Cancel if same with port size

New
High Temperature
250°C



HUS

Order example:

* HUS SS316 series, 2 position, 2 port, AC110V, 3/8" port size, Orifice: 15mm, Stainless Steel 304, Normal Close, Teflon Seal, Model: HUS10TE1-15LS2

Specifications

Port Size	Orifice (mm)	CV Value	Pressure Difference (Bar)			Max. Temperature (°C)	Model 220CAC 50/80HZ
			Min. Pressure	Max. Working Pressure			
				Oil	Steam		
3/8"	15	4.5	0.5	16	16	250	HUS10TE2-15LS2
1/2"	15	4.5	0.5	16	16	250	HUS-15TE2S2
3/4"	20	8.0	0.5	16	16	250	HUS-20TE2S2
1"	25	12	0.5	16	16	250	HUS-25TE2S2
1-1/4"	35	22	0.5	16	16	250	HUS-35TE2S2
1-1/2"	35	22	0.5	16	16	250	HUS40TE2-35LS2
2"	50	45	0.5	16	16	250	HUS-50TE2S2
Flange 4 Port	25	12	0.5	16	16	250	HUSFTE2-25LS2
	32	22	0.5	16	16	250	HUSFTE2-32LS2
	40	22	0.5	16	16	250	HUSFTE2-40LS2
	50	45	0.5	16	16	250	HUSFTE2-50LS2

* With Voltage AC220V

Note: DIN style is optional for 220°C

VX2120 Series 2/2 Solenoid Valve (Normal Close)

How to Order?



VX2120 -- 06 -- E1

VX2120 Series Blank: NBR V: VITON

Port Size
06: 1/8"
08: 1/4"
10: 3/8"
15: 1/2"

Voltage
E1: AC110V
E2: AC220V
E3: AC380V
E4: DC24V
E5: DC12V
E6: AC38V
E7: AC24V

Order example:

* VX2120 series, 2 position, 2 port, NBR seal, 1/2" port size, voltage AC220V, Model: VX2120-15E2

Specifications

Model	VX2120-08E2	VX2120-08E2	VX2120-10E2	VX2120-15E2
Working Medium	Air, Water, Steam			
Motion Pattern	Direct Drive Type			
Type	Normal Close Type			
Working pressure(Bar)	0-10			
Aperture of Flow Ratea(mm)	3			
Port Size	1/8"	1/4"	3/8"	1/2"
Operating Temperature Range(°C)	-5-90(150 is optional)			
Seal Material	NBR(VITON is optional)			

* With Voltage AC220V

EDF Series 2/2 Solenoid Valve (Normal Close)

How to Order?

EDF -- 15 -- E2

EDF: Brass Valve Body
EDFS: Stainless Steel Valve Body

Port Size
15: 1/2"
20: 3/4"
25: 1"
35: 1-1/4"
40: 1-1/2"
50: 2"

Voltage
E2: AC220V
E4: DC24V

65F: Flange 4 holes, ϕ 17.5 orifice, ϕ 145 hole distance
80F: Flange 4 holes, ϕ 17.5 orifice, ϕ 180 hole distance
100F: Flange 8 holes, ϕ 17.5 orifice, ϕ 180 hole distance
150F: Flange 8 holes, ϕ 22 orifice, ϕ 240 hole distance



Under water valve
The maximum port size can reach to 8"

EDF

EDFS

Order example:

* EDF Series, Brass Valve Body, 2 position, 2 port, Port Size: 1/2", Voltage: AC220V, Model: EDF-15E2

* EDFs Series, Stainless Steel Valve Body, 2 position, 2 port, Port Size: 1-1/4", Voltage: DC24V, Model: EDFs-35E4

Specifications

Model	EDF-15E2	EDF-20E2	EDF-25E2	EDF-35E2	EDF-40E2	EDF-50E2
Working Medium	Water					
Working Pressure(Bar)	$\leq \phi$ 50(0-6) $\geq \phi$ 85(0.6-5)					
Voltage Range	±10%					
Working Temperature (°C)	-10-50					
Medium Temperature (°C)	0-60					
Power Consumption	220V 50Hz Power: AC 25W					
Insulation	B class					
Life	20 Million times					
Speed	$\leq$ 0.2 Sec.					
Installation	Direction of the fluid is Following the arrow					

* With Voltage AC220V



SLG Series 2/2 & 3/2 Solenoid Valve (Normal Close)

How to Order?



SLG

SLG -- -- 22 -- 06 -- E1

SLG Series Blank: NBR
 V: VITON

22: 2/2
23: 3/2

Port Size
06: 1/8"
08: 1/4"

Voltage
E1: AC110V
E2: AC220V
E3: AC380V
E4: DC24V
E5: DC12V
E6: AC38V
E7: AC24V

Order example:

* SLG series, 2 position, 2 port, NBR seal, 1/4" port size, voltage: AC220V, Model: SLG22-08E2

Specifications

Specifications					* With Voltage AC220V
Model	SLG22-06E2	SLG22-08E2	SLG23-08E2	SLG23-08E2	
Working Medium	Air, Water, Oil			Air	
Orifice(mm)	1.6				
Cv Value	0.1				
Port Size	1/8"	1/4"	1/8"	1/4"	
Working Pressure(Bar)	0-15		0-9		
Voltage Range	±10%				
Seal Material	NBR or VITON				

* With Voltage AC220V

EQ Series 2/2 Solenoid Valve (Normal Close)

How to Order?

EQ -- 20 -- 25

EQ Series Orifice
20: 22mm
50: 50mm

Port Size
25: 1"
50: 2"



EQ

Order example:

* EQ series, 2 position, 2 port, Orifice: 22mm, 1" port size, Model: EQ20-25

Specifications

Model	EQ20-25	EQ50-50
Orifice(mm)	22	50
Cv Value	12	48
Port Size	1"	2"
Fluid Viscosity	50 CST Below	
Working Pressure(Bar)	0-7	
Max. Pressure Resistance(Bar)	11	
Control Pressure Range (Bar)	3-8	
Working Temperature Range(°C)	-5-100	
Material of Valve Body	Brass	
Seal Material	PTFE	
Control Port Size	2-G1/8"	2-G1/4"

EMCF Series 2/2 Pulse Valve (Normal Close)

How to Order?



EMCF-25

EMCF-50

EMCF -- 25 -- E1

EMCF Series Orifice
25: 25mm
40: 40mm
50: 50mm
65: 65mm
76: 76mm

Voltage
E1: AC110V
E2: AC220V
E4: DC24V

Order example:

* EMCF series, Orifice: 25mm, Voltage: AC220V, Model: EMCF-25E2

Specifications

Model	EMCF-25E2	EMCF-40E2	EMCF-50E2	EMCF-65E2	EMCF-76E2
Working Pressure(Bar)	4-8				
Working Temperature(°C)	-10-55				
Relative Humidity	<85%				
Working Medium	clean air				
Voltage	AC220V/DC24V				
Diaphragm Life	over one 1,000,000 cycles				
Orifice	φ25	φ40	φ50	φ65	φ76
Port Size	1"	1-1/2"	2"	2-1/2"	3"

* With Voltage AC220V

EMCYF Series 2/2 Pulse Valve (Normal Close)

How to Order?

EMCYF -- 50 -- E1

EMCYF Series Orifice
50: 50mm
62: 62mm
76: 76mm

Voltage
E1: AC110V
E2: AC220V
E4: DC24V



EMCYF-50

Order example:

* EMCYF series, Orifice: 50mm, Voltage: AC220V, Model: EMCYF-50E2

Specifications

Model	EMCYF-60E2	EMCYF-62E2	EMCYF-76E2
Working Pressure(Bar)	2-6		
Working Temperature(°C)	-10-55		
Relative Humidity	<85%		
Working Medium	clean air		
Voltage	AV220V/DC24V		
Diaphragm Life	over one million cycles		
Orifice	φ50	φ62	φ76
Port Size	φ65	φ80	φ99

* With Voltage AC220V



SLG5404 Series 2/2 Solenoid Valve (Normal Close)



High Pressure

How to Order?

SLG5404	--	15	--	E1	--	D
SLG5404 Series		Port Size 15: 1/2" 20: 3/4" 25: 1"		Voltage E1: AC110V E2: AC220V E3: AC380V E5: DC12V E7: AC24V		Blank: Flying leads Type D: DIN Connector

Order example:

* SLG5404 series, 1/2" port size, flying leads coil, voltage: AC220V, Model: SLG5404-15E2

Specifications

Model	SLG5404-15E2	SLG5404-20E2	SLG5404-25E2
Working Medium	Air, Water, Oil		
Acting Type	Pilot Type		
Orifice(mm)	12	20	25
Cv Value	2	5	10
Port Size	1/2"	3/4"	1"
Working Pressure(Bar)	GAS:1-50, Liquid:1-50	GAS:1-40, Liquid:1-25	GAS:1-40, Liquid:1-25
Max. Pressure Resistance(Bar)	75	60	
Working Temperature Range(°C)	-10-150		
Power Consumption	AC:5.5VA, DC:9W		
Material of Valve Body	Brass		
Seal Material	PTFE		

* With Voltage AC220V

EMB23-024 Series 3/2 Direct Acting Solenoid Valve (Normal Close)

How to Order?

EMB23	--	024	--	E2
EMB Series		Orifice 2.4mm		Voltage E4: DC24V

Order example:

* EMB 3/2 direct acting series, 2.4mm orifice, voltage D24V, Model: EMB23-024-E4



EMB23-024E2

Specifications

Model	EMB23-024
Working Medium	Air
Acting Type	Direct acting type
Type	3/2 Normal open type
Orifice(mm)	2.4
Working Pressure(Bar)	0-10
Working Temperature Range(°C)	-5-80
Power Consumption	AC:220V, DC:24V
Material of Valve Body	Brass
Seal Material	NBR

EMC Series 2/2 Direct Acting Solenoid Valve (Normal Close)

How to Order?

EMC22	--	001	--	06	--	A	--	E2
EMC Series		Orifice 001: 1mm 002: 2mm 003: 3mm 004: 4mm 005: 5mm 006: 6mm		Port Size 06: 1/8" 08: 1/4" 10: 3/8" 15: 1/2"		Valve Body(BxD) A: 20x25mm B: 32x32mm C: 32x46mm		Voltage E2: AC220V E4: DC24V

Order example:

* EMC 2/2 Direct Acting series, 1/8" port size, Orifice: 1mm, Valve Body: 20x25mm, Voltage: AC220V, Model: EMC22001-06AE2



EMC22

Specifications

Model	Orifice(mm)	Port Size	Working Pressure(Bar) *	KV(m³/h)	Temperature(°C)	Temperature(°C)
EMC22001-06AE2	1	1/8	0-8	0.02	-10-+50	-10-+80
EMC22002-06AE2	2	1/8	0-6	0.08		
EMC22001-08BE2	1	1/8	0-4	0.02		
EMC22002-08BE2	2	1/8	0-25	0.08		
EMC22003-08BE2	3	1/8	0-10	0.16		
EMC22003-08CE2	3	1/4	0-10	0.16		
EMC22004-08CE2	4	1/4	0-6	0.25	-10-+50	-10-+80
EMC22005-08CE2	5	1/4	0-3	0.32		
EMC22006E2-08/10/15	6	1/4-1/2	0-2	0.54		

* With Voltage AC220V, When Voltage is Changing, the Working Pressure Will Change

EMC Series 3/2 Direct Acting Solenoid Valve (Normal Close)

How to Order?

EMC	--	23	--	001	--	06	--	B	--	E2
EMC Series		23: 3/2		Orifice 001: 1.5mm 002: 2mm 003: 2.5mm 1501: 1.5mm 1502: 2mm		Port Size 06: 1/8" 08: 1/4" M: Sub-Plate mounting		Valve Body(LxL) B: 32x32mm C: 32x46mm		Voltage E2: AC220V E4: DC24V

Order example:

* EMC 3/2 Smart Direct Acting series, 1/8" port size, Orifice: 1.5mm, Valve Body: 32x32mm, Voltage: AC220V, Model: EMC23001-06BE2



EMC23

Specifications

Model	Orifice(mm)	Port Size(G)	Working Pressure(Bar) *	Kv	Working Temperature(°C)	Medium Temperature(°C)
EMC23001-08BE2	1.5	1/8	0-16	0.02	-10-+50	-10-+80
EMC23002-08BE2	2	1/8	0-10	0.08		
EMC23003-08BE2	2.5	1/8	0-6	0.16		
EMC23001-08CE2	1.5	1/4	0-16	0.02		
EMC23002-08CE2	2	1/4	0-10	0.08		
EMC23003-08CE2	2.5	1/4	0-6	0.16		
EMC231501-MBE2	1.5	Panel Mounting	0-16	0.02	-10-+50	-10-+80
EMC231502-MBE2	2	Panel Mounting	0-10	0.08		

* With Voltage AC220V, When Voltage is Changing, the Working Pressure Will Change



EV Series 3/2 Direct Acting Solenoid Valve (Normal Close)



EV1/EV3/EV5 Series



EV2/EV4 Series

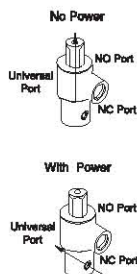
How to Order?

EV	--	1	--	06	--		--	E1	--	1.5L	--		--	D
EV 3/2 Series		Control style 1: Normal Close 2: Normal Open 3: Directional Type 4: Universal Type 5: Normal Close(Auto Exhausting) Type		Port Size 06: 1/8" 08: 1/4"		Seal Material Blank NBR V: VITON E: EPDM		Voltage E1: AC110V E2: AC220V E4: DC24V E5: DC12V E7: AC24V		Valve body Material Blank Brass S2: Stainless Steel 304		Orifice Ømm 1.5L-1.5 x 1.2 2L-2.0 x 1.2 2.5L-2.5 x 1.2 3L-3.0 x 1.2		Coil Type D: DIN Type(For Type:EV1, EV3, EV5) F: Flying Leads(For Type:EV2, EV4) S: Nuss Coll(For Type:EV1, EV3, EV5)

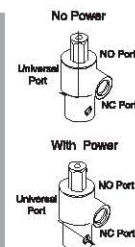
Order example:

* EV series, 2 position, 3 port, directional type, AC110V, 1/8" port size, orifice: 3mm, brass valve body, NBR Seal, Model: EV3-06E1-3LD
* EV series, 2 position, 3 port, normal open, AC220V, 1/4" port size, orifice: 1.5mm, stainless steel valve body, VITON Seal, Model: EV2-08VE2-1.5LS2F

Specifications



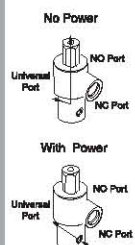
Joint Size	Orifice (mm)		CV Value		Pressure Difference (Bar)								Power		Model	
					Min. Pressure	Max. Working Pressure						VA	W	220VAC 50/60Hz NBR Seal		
						Air/Gas		Water, Liquid		Light Oil ≤20CSTT						
	Body	Top	Body	Top	AC	DC	AC	DC	AC	DC	AC 220	DC 24V	Valve Body Material			
													Brass	SS304		
1/8"	1.5	1.2	0.07	0.05	0	8	5	8	5	8	5	22	13	EV1-06E2-1.5LD	EV1-06E2-1.5LS2D	
	2.0	1.2	0.14	0.05	0	6	5	6	5	6	5	22	13	EV1-06E2-2.0LD	EV1-06E2-2.0LS2D	
	2.5	1.2	0.21	0.05	0	5	4	5	4	5	4	22	13	EV1-06E2-2.5LD	EV1-06E2-2.5LS2D	
	3.0	1.2	0.23	0.05	0	4	3	4	3	4	3	22	13	EV1-06E2-3.0LD	EV1-06E2-3.0LS2D	
1/4"	1.5	1.2	0.07	0.05	0	8	5	8	5	8	5	22	13	EV1-08E2-1.5LD	EV1-08E2-1.5LS2D	
	2.0	1.2	0.14	0.05	0	6	5	6	5	6	5	22	13	EV1-08E2-2.0LD	EV1-08E2-2.0LS2D	
	2.5	1.2	0.21	0.05	0	5	4	5	4	5	4	22	13	EV1-08E2-2.5LD	EV1-08E2-2.5LS2D	
	3.0	1.2	0.23	0.05	0	4	3	4	3	4	3	22	13	EV1-08E2-3.0LD	EV1-08E2-3.0LS2D	



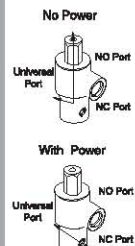
Joint Size	Orifice (mm)		CV Value		Pressure Difference (Bar)								Power		Model	
					Min. Pressure	Max. Working Pressure						VA	W	220VAC 50/60Hz NBR Seal		
						Air, Gas		Water, Liquid		Light Oil ≤20CSTT				AC	DC	Valve Body Material
	Body	Top	Body	Top		AC	DC	AC	DC	AC	DC	220	24V	Brass	SS304	
1/8"	1.5	1.2	0.07	0.05	0	6	3	6	3	6	3	22	13	EV2-08E2-1.5LF	EV2-08E2-1.5LS2F	
	2.0	1.2	0.14	0.05	0	6	3	6	3	6	3	22	13	EV2-08E2-2.0LF	EV2-08E2-2.0LS2F	
	2.5	1.2	0.21	0.05	0	4	2	4	2	4	2	22	13	EV2-08E2-2.5LF	EV2-08E2-2.5LS2F	
	3.0	1.2	0.23	0.05	0	4	2	4	2	4	2	22	13	EV2-08E2-3.0LF	EV2-08E2-3.0LS2F	
1/4"	1.5	1.2	0.07	0.05	0	6	3	6	3	6	3	22	13	EV2-08E2-1.5LF	EV2-08E2-1.5LS2F	
	2.0	1.2	0.14	0.05	0	6	3	6	3	6	3	22	13	EV2-08E2-2.0LF	EV2-08E2-2.0LS2F	
	2.5	1.2	0.21	0.05	0	4	2	4	2	4	2	22	13	EV2-08E2-2.5LF	EV2-08E2-2.5LS2F	
	3.0	1.2	0.23	0.05	0	4	2	4	2	4	2	22	13	EV2-08E2-3.0LF	EV2-08E2-3.0LS2F	



Joint Size	Orifice (mm)		CV Value		Pressure Difference (Bar)								Power		Model			
					Min. Pressure	Max. Working Pressure						VA	W	220VAC 50/60Hz NBR Seal				
	Air, Gas		Water, Liquid			Light Oil ≤20CST		Valve Body Material										
	AC	DC	AC	DC		AC	DC	AC	DC	220	24V			Brass		SS304		
1/8"	Body	Top	Body	Top	0	12	8	12	8	12	8	22	13	EV3-08E2-1.5LD	EV3-08E2-1.5LS2D	EV3-08E2-1.5LD	EV3-08E2-1.5LS2D	
	2.0	1.2	0.14	0.05	0	10	7	10	7	10	7	22	13	EV3-08E2-2.0LD	EV3-08E2-2.0LS2D	EV3-08E2-2.0LD	EV3-08E2-2.0LS2D	
	2.5	1.2	0.21	0.05	0	8	6	8	6	8	6	22	13	EV3-08E2-2.5LD	EV3-08E2-2.5LS2D	EV3-08E2-2.5LD	EV3-08E2-2.5LS2D	
	3.0	1.2	0.23	0.05	0	7	5	7	5	7	5	22	13	EV3-08E2-3.0LD	EV3-08E2-3.0LS2D	EV3-08E2-3.0LD	EV3-08E2-3.0LS2D	
1/4"	Body	Top	Body	Top	0	12	8	12	8	12	8	22	13	EV3-08E2-1.5LD	EV3-08E2-1.5LS2D	EV3-08E2-1.5LD	EV3-08E2-1.5LS2D	
	2.0	1.2	0.14	0.05	0	10	7	10	7	10	7	22	13	EV3-08E2-2.0LD	EV3-08E2-2.0LS2D	EV3-08E2-2.0LD	EV3-08E2-2.0LS2D	
	2.5	1.2	0.21	0.05	0	8	6	8	6	8	6	22	13	EV3-08E2-2.5LD	EV3-08E2-2.5LS2D	EV3-08E2-2.5LD	EV3-08E2-2.5LS2D	
	3.0	1.2	0.23	0.05	0	7	5	7	5	7	5	22	13	EV3-08E2-3.0LD	EV3-08E2-3.0LS2D	EV3-08E2-3.0LD	EV3-08E2-3.0LS2D	



Joint Size	Orifice (mm)		CV Value		Pressure Difference (Bar)								Power		Model	
					Max. Working Pressure								VA	W	220VAC 50/60Hz NBR Seal	
					Min. Pressure	Air/Gas		Water, Liquid		Light Oil ≤20CST		Valve Body Material				
	AC	DC	AC	DC		AC	DC	AC	DC	AC 220	DC 24V	Brass	SS304			
	Body	Top	Body	Top												
1/8"	1.5	1.2	0.07	0.05	0	8	4	8	4	8	4	22	13	EV4-08E2-1.5LF	EV4-08E2-1.5LS2F	
	2.0	1.2	0.14	0.05	0	5	3.5	5	3.5	5	3.5	22	13	EV4-08E2-2.0LF	EV4-08E2-2.0LS2F	
	2.5	1.2	0.21	0.05	0	4	3	4	3	4	3	22	13	EV4-08E2-2.5LF	EV4-08E2-2.5LS2F	
	3.0	1.2	0.23	0.05	0	3.5	2.5	3.5	2.5	3.5	2.5	22	13	EV4-08E2-3.0LF	EV4-08E2-3.0LS2F	
1/4"	1.5	1.2	0.07	0.05	0	8	4	8	4	8	4	22	13	EV4-08E2-1.5LF	EV4-08E2-1.5LS2F	
	2.0	1.2	0.14	0.05	0	5	3.5	5	3.5	5	3.5	22	13	EV4-08E2-2.0LF	EV4-08E2-2.0LS2F	
	2.5	1.2	0.21	0.05	0	4	3	4	3	4	3	22	13	EV4-08E2-2.5LF	EV4-08E2-2.5LS2F	
	3.0	1.2	0.23	0.05	0	3.5	2.5	3.5	2.5	3.5	2.5	22	13	EV4-08E2-3.0LF	EV4-08E2-3.0LS2F	



Joint Size	Orifice (mm)		CV Value		Pressure Difference (Bar)								Power		Model			
					Min. Pressure	Max. Working Pressure								VA	W	220VAC 50/60Hz NBR Seal		
	Air/Gas		Water, Liquid			Light Oil ≤20CSTT		Valve Body Material										
	AC	DC	AC	DC		AC	DC	AC	DC	220	24V	Brass				SS304		
	Body	Top	Body	Top														
1/8"	1.5	1.2	0.07	0.05	0	8	5	8	5	8	5	22	13	EV5-08E2-1.5LD	EV5-08E2-1.5LS2D			
	2.0	1.2	0.14	0.05	0	6	5	6	5	6	5	22	13	EV5-08E2-2.0LD	EV5-08E2-2.0LS2D			
	2.5	1.2	0.21	0.05	0	5	4	5	4	5	4	22	13	EV5-08E2-2.5LD	EV5-08E2-2.5LS2D			
	3.0	1.2	0.23	0.05	0	4	3	4	3	4	3	22	13	EV5-08E2-3.0LD	EV5-08E2-3.0LS2D			
1/4"	1.5	1.2	0.07	0.05	0	8	5	8	5	8	5	22	13	EV5-08E2-1.5LD	EV5-08E2-1.5LS2D			
	2.0	1.2	0.14	0.05	0	6	5	6	5	6	5	22	13	EV5-08E2-2.0LD	EV5-08E2-2.0LS2D			
	2.5	1.2	0.21	0.05	0	5	4	5	4	5	4	22	13	EV5-08E2-2.5LD	EV5-08E2-2.5LS2D			
	3.0	1.2	0.23	0.05	0	4	3	4	3	4	3	22	13	EV5-08E2-3.0LD	EV5-08E2-3.0LS2D			

ESV 3/2 Direct Acting Solenoid Valve (Normal Close)

ESV1-06E2-1.5L

ESV1-06E2-1.5LS2
How to Order?

ESV -- 1 -- 06 -- E1 -- 1.5L --

ESV 3/2 Series

Control style
1: Normal Close
2: Normal Open
3: Universal

Port Size
06: 1/8"
08: 1/4"

Voltage
E1: AC110V
E2: AC220V
E4: DC24V
E5: DC12V
E7: AC24V

Coil Type
Blank: DIN Type
F: Flying Leads

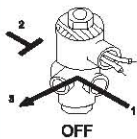
Seal Material
Blank: NBR
V: VITON
E: EPDM

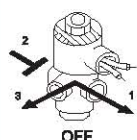
Orifice Ø mm
1.5L: 1.5
2L: 2.0
3L: 3.0
4L: 4.0
5L: 5.0

Valve body Material
Blank: Brass
S2: SS304

Order example:

* ESV series, 2 position, 3 port, normal close, AC110V, 1/8" port size, orifice 1.5mm, brass valve body, NBR seal, Model: ESV1-06E1-1.5L
* ESV series, 2 position, 3 port, normal open, AC220V, 1/4" port size, orifice 3mm, stainless steel valve body, VITON seal, Model: ESV2-08E2-V3LS2

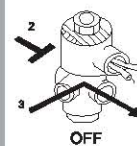

OFF

ON

OFF

ON

Joint Size	Orifice (mm)	CV Value	Pressure Difference (Bar)						Max. Temperature (°C)	Power		Model 220VAC 50/60Hz
			Min. Pressure	Max. Working Pressure				AC 220V		DC 24V		
				Air, Gas, Water, Hot Water, Liquid	Light Oil ≤20CST							
					AC	DC	AC				DC	
1/8"	1.5	0.07	0	13	11	13	11	80	22	13	ESV1-06E2-1.5L	ESV1-06E2-1.5LS2
	1.5	0.07	0	13	11	13	11	120	22	13	ESV1-06VE2-1.5L	ESV1-06VE2-1.5LS2
	2.0	0.14	0	11	9	11	9	80	22	13	ESV1-06E2-2.0L	ESV1-06E2-2.0LS2
	2.0	0.14	0	11	9	11	9	120	22	13	ESV1-06VE2-2.0L	ESV1-06VE2-2.0LS2
	2.5	0.21	0	9	7	9	7	80	22	13	ESV1-06E2-2.5L	ESV1-06E2-2.5LS2
	2.5	0.21	0	9	7	9	7	120	22	13	ESV1-06VE2-2.5L	ESV1-06VE2-2.5LS2
3/8"	3.0	0.25	0	6	4	6	4	80	22	13	ESV1-06E2-3.0L	ESV1-06E2-3.0LS2
	3.0	0.25	0	6	4	6	4	120	22	13	ESV1-06VE2-3.0L	ESV1-06VE2-3.0LS2
	1.5	0.07	0	13	11	13	11	80	22	13	ESV1-08E2-1.5L	ESV1-08E2-1.5LS2
	1.5	0.07	0	13	11	13	11	120	22	13	ESV1-08VE2-1.5L	ESV1-08VE2-1.5LS2
	2.0	0.14	0	11	9	11	9	80	22	13	ESV1-08E2-2.0L	ESV1-08E2-2.0LS2
	2.0	0.14	0	11	9	11	9	120	22	13	ESV1-08VE2-2.0L	ESV1-08VE2-2.0LS2
1/4"	2.5	0.21	0	9	7	9	7	80	22	13	ESV1-08E2-2.5L	ESV1-08E2-2.5LS2
	2.5	0.21	0	9	7	9	7	120	22	13	ESV1-08VE2-2.5L	ESV1-08VE2-2.5LS2
	3.0	0.25	0	6	4	6	4	80	22	13	ESV1-08E2-3.0L	ESV1-08E2-3.0LS2
	3.0	0.25	0	6	4	6	4	120	22	13	ESV1-08VE2-3.0L	ESV1-08VE2-3.0LS2

Joint Size	Orifice (mm)	CV Value	Pressure Difference (Bar)						Max. Temperature (°C)	Power		Model 220VAC 50/60Hz
			Min. Pressure	Max. Working Pressure				AC 220V		W DC 24V		
				Air, Gas Water, Hot Water, Liquid								
				Light Oil ≤20CST								
			AC	DC	AC	DC			Brass		SS304	
1/8"	1.5	0.07	0	7	5	7	5	80	22	13	ESV3-06E2-1.5L	ESV3-06E2-1.5LS2
	1.5	0.07	0	7	5	7	5	120	22	13	ESV3-06VE2-1.5L	ESV3-06VE2-1.5LS2
	2.0	0.14	0	5	4	5	4	80	22	13	ESV3-06E2-2.0L	ESV3-06E2-2.0LS2
	2.0	0.14	0	5	4	5	4	120	22	13	ESV3-06VE2-2.0L	ESV3-06VE2-2.0LS2
1/4"	1.5	0.07	0	7	5	7	5	80	22	13	ESV3-08E2-1.5L	ESV3-08E2-1.5LS2
	1.5	0.07	0	7	5	7	5	120	22	13	ESV3-08VE2-1.5L	ESV3-08VE2-1.5LS2
	2.0	0.14	0	6	4	6	4	80	22	13	ESV3-08E2-2.0L	ESV3-08E2-2.0LS2
	2.0	0.14	0	6	4	6	4	120	22	13	ESV3-08VE2-2.0L	ESV3-08VE2-2.0LS2


OFF

ON

Joint Size	Orifice (mm)	CV Value	Pressure Difference (Bar)						Max. Temperature (°C)	Power		Model 220VAC 50/60Hz
			Min. Pressure	Max. Working Pressure				AC 220V		W 24V		
				Air, Gas, Water, Hot Water, Liquid	Light Oil ≤20CST							
					AC	DC	AC				DC	
1/8"	1.5	0.07	0	13	11	13	11	80	22	13	ESV2-08E2-1.5L	ESV2-08E2-1.5LS2
	1.5	0.07	0	13	11	13	11	120	22	13	ESV2-08VE2-1.5L	ESV2-08VE2-1.5LS2
	2.0	0.14	0	11	9	11	9	80	22	13	ESV2-08E2-2.0L	ESV2-08E2-2.0LS2
	2.0	0.14	0	11	9	11	9	120	22	13	ESV2-08VE2-2.0L	ESV2-08VE2-2.0LS2
	2.5	0.21	0	9	7	9	7	80	22	13	ESV2-08E2-2.5L	ESV2-08E2-2.5LS2
	2.5	0.21	0	9	7	9	7	120	22	13	ESV2-08VE2-2.5L	ESV2-08VE2-2.5LS2
1/4"	3.0	0.25	0	6	4	6	4	80	22	13	ESV2-08E2-3.0L	ESV2-08E2-3.0LS2
	3.0	0.25	0	6	4	6	4	120	22	13	ESV2-08VE2-3.0L	ESV2-08VE2-3.0LS2
	1.5	0.07	0	13	11	13	11	80	22	13	ESV2-08E2-1.5L	ESV2-08E2-1.5LS2
	1.5	0.07	0	13	11	13	11	120	22	13	ESV2-08VE2-1.5L	ESV2-08VE2-1.5LS2
	2.0	0.14	0	11	9	11	9	80	22	13	ESV2-08E2-2.0L	ESV2-08E2-2.0LS2
	2.0	0.14	0	11	9	11	9	120	22	13	ESV2-08VE2-2.0L	ESV2-08VE2-2.0LS2
1/4"	2.5	0.21	0	9	7	9	7	80	22	13	ESV2-08E2-2.5L	ESV2-08E2-2.5LS2
	2.5	0.21	0	9	7	9	7	120	22	13	ESV2-08VE2-2.5L	ESV2-08VE2-2.5LS2
	3.0	0.25	0	6	4	6	4	80	22	13	ESV2-08E2-3.0L	ESV2-08E2-3.0LS2
	3.0	0.25	0	6	4	6	4	120	22	13	ESV2-08VE2-3.0L	ESV2-08VE2-3.0LS2

EWSLC Series 2/2 Direct Acting Solenoid Valve (Normal Close)

For Drinking Fountain


EWSLC1

EWSLC2
How to Order?

EWSLC -- 1 -- E1

EWSLC Series

1: 1/8" Port Size
2: 1/4" Port Size

2.5mm Orifice
2.5mm Orifice

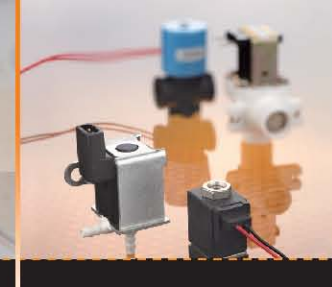
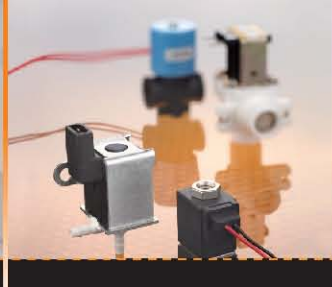
Voltage
E1: AC110V
E2: AC220V
E4: DC24V
E7: AC24V

Order example:

* EWSLC1 Series, 1/8" Port Size, Orifice: 2.5mm, AC220V, Model: EWSLC1E2

Specifications

Model	EWSLC1E2	EWSLC2E2
Working Medium	Water	
Acting Type	Direct Acting	
Type	2/2 Normal Close	
Orifice	2.5(3/32)	
Cv Value	0.21	
Port Size	1/8"	1/4"
Working Pressure(Bar)	0-8	
Temperature(°C)	0-80	
Medium Temperature(°C)	-10-40	
Seal Material	EPDM	
Valve Body	PP 1/8(Black) 1/4(White) Nylon66	



EWSLC Series 2/2 Direct Acting Solenoid Valve (Normal Close)

How to Order?



EWSLC -- **3** -- **E4**

EWSLC Series 3: 8mm Orifice
4: 9mm Orifice

Voltage
E4: DC24V
E5: DC12V

Order example:
* EWSLC Series, Orifice: 8mm, DC24V, Model: EWSLC3E4

Specifications

Model	EWSLC3E4	EWSLC4E4
Working Medium	Water	
Acting Type	Direct Acting	
Type	2/2 Normal Close	
Orifice	8	9
Port Size	12	
Working Pressure(Bar)	0-0.6	
Working Temperature(°C)	0-80	
Ambient Temperature(°C)	-10-40	
Seal Material	Silicon Rubber	
Valve Body	PP	

23JVD Series Smart Solenoid Valve

How to Order?

23 -- **JVD** -- **1.6** -- **H**

3/2 Stop Type Connection:
Blank: Sub-plate Mount
L: Joint Pipe Type
Z: Z Series Mounting

Orifice
1.6: 1.6mm

Blank: Normal Close
H: Normal Open

Order example:
* 23JVD series, Sub-Plate Mounting, Orifice: 1.6mm, Normal Close, Model: 23JVD-1.6



Specifications

Effective Section Area(mm²)	0.5
Working Pressure(Bar)	0-10
Working Temperature(°C)	-5-40
Medium Temperature(°C)	-5-60
Directional Duration(S)	≤0.03
Directional Fluctuate(%)	-15-10
Life Cycle	≥5,000,000
Voltage(V)	AC 380 220 110 38 24 DC 110 48 24 12

K23JD Series 3/2 Single Acting Solenoid Valve

How to Order?



K -- **23** -- **J** -- **D** -- **□** -- **□** -- **□** -- **E2**

K Series 3/2 Stop Type Single Coil Blank panel mounting
F: flange type

Port size
06: G1/8"
08: G1/4"
10: G3/8"
15: G1/2"
20: G3/4"
25: G1"

Blank Normal close
H: Normal open

Voltage
E2: AC220V
E4: DC24V
E5: DC12V
E8: AC36V

Order example:
* K series, 3 port, 2 position, Stop type, single coil, panel mounting, port size: G1/8", normal close, AC220V, model No.: K23JD-06E2

Specifications

Model	K23JD-8(H)	K23JD-8(H)	K23JD-10(H)	K23JD-15(H)	K23JD-20(H)	K23JD-25(H)	K23JD-32(H)	K23JD-40(H)	K23JD-50(H)
Working medium	Clean air								
Acting type	Pilot acting type								
Effective action area(mm²)	10	20	40	60	110	190	300	400	650
Port size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Working pressure (Bar)	1.5-8								
Guaranteed pressure(Bar)	12								
Voltage range	-15 ~ 10%								
Working temperature (°C)	-5-50								
Life cycle	≥2,000,000		≥1,500,000				≥500,000		
Valve body material	Aluminum								
Seal material	NBR								

K25JD Series 5/2 Single Acting Solenoid Valve

How to Order?

K -- **25** -- **J** -- **D** -- **□** -- **E2**

K Series 5/2 Stop Type Single Coil Port size
6: G1/8"
8: G1/4"
10: G3/8"
15: G1/2"

Voltage
E2: AC220V
E4: DC24V
E5: DC12V
E8: AC36V

Order example:
* K series, 5 port, 2 position, Stop type, single coil, port size: G1", AC220V, model: K25JD-25E2



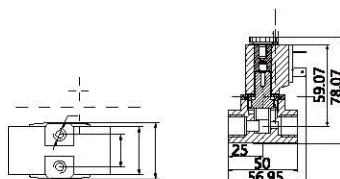
Specifications

Model	K25JD-8	K25JD-8	K25JD-10	K25JD-15	K25JD-20	K25JD-25
Working medium	Clean air					
Acting type	Pilot acting type					
Effective section area(mm²)	10	20	40	60	110	190
Port size	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Working pressure (Bar)	1.5-8					
Guaranteed pressure(Bar)	12					
Voltage range	-15 ~ 10%					
Working temperature (°C)	-5-50					
Life cycle	≥5,000,000					
Valve body material	Aluminum					
Seal material	NBR					



EAT22-10-8L

37 Cycles per second
1.1 billion cycles lifetime
DC-ON:48V
DC-HOLD:8V



How to order

EAT22 -- 10 -- 8L

EAT22 series Port size 10: 3/8" Orifice 8L: 8mm

Specifications

Port size	Orifice	Pressure difference(Bar)		Working temperature	Resistance	Insulation class	Weight	Main dimensions
		Min	Max (air, inert gas)					
3/8"	8	0	7	5-40℃	31 ± 2 Ω	class B	300g	50x30x75.1

How to order



SLPL-08E4-2LF

Direct connect to PLC
Low power

SLPL -- 10 -- [] -- E2 -- 2.0L -- []

SLPL series Port size 08: 1/8" 08: 1/4" 10: 3/8" 15: 1/2" 20: 3/4" 25: 1" Seal material Blank NBR V: Viton Voltage E4: DC24V E5: DC12V Orifice 2.0L: 2mm 13L: 13mm 20L: 20mm 25L: 25mm Valve body Blank: brass S1: SS316

Specifications

Port size	Orifice	CV	Min	Max (air, inert gas)	Max Tem	Power	Model	Dimensions
1/8"	2	0.14	0	9	NBR: 65℃ VITON: 100℃	1.4W	SLPL-06E4-2L	40*29*83
1/4"	2	0.14	0				SLPL-08E4-2L	40*29*83
3/8"	13	4.5	0.5				SLPL-10E4-13L	66*48*108
1/2"	13	4.5	0.5				SLPL-15E4-13L	66*48*108
3/4"	20	7.6	0.5				SLPL-20E4-20L	75*58*112
1"	25	12	0.5				SLPL-25E4-25L	98*70*125



EDT-08E2-2LF

Very low working temperature to High temperature

How to order

EDT -- 06 -- E1 -- 1.5L -- []

EDT series Port size 06: 1/8" 08: 1/4" 10: 3/8" 15: 1/2" Voltage E1: AC110V E2: AC220V E3: AC380V E4: DC24V E5: DC12V Orifice 1.5L: 1.5mm 2L: 2mm 2.5L: 2.5mm 3L: 3mm 4L: 4mm 5L: 5mm 6L: 6mm Blank: DIN connector F: flying leads

Product features

Port size	Orifice	CV	Pressure difference(Bar)		Max temperature		Power	Model	Main Dimensions	
			Min	Max (air,inert gas)		Low temperature				Steam
				Low temperature	Steam					
1/8"	1.5	0.08	0	50	30	-100℃~-10℃ 99℃~200℃	AC27VA (16W) DC: 24W	EDT-06E2-1.5L	72*50*104	
1/8"	2	0.14		30	20			EDT-06E2-2L	72*50*104	
1/8"	2.5	0.23		17	17			EDT-06E2-2.5L	72*50*104	
1/8"	3	0.3		13	13			EDT-06E2-3L	72*50*104	
1/8"	4	0.5		7	7			EDT-06E2-4L	72*50*104	
1/4"	1.5	0.08		50	30			EDT-08E2-1.5L	72*50*104	
1/4"	2	0.14		30	20			EDT-08E2-2L	72*50*104	
1/4"	2.5	0.23		17	17			EDT-08E2-2.5L	72*50*104	
1/4"	3	0.3		13	13			EDT-08E2-3L	72*50*104	
1/4"	4	0.5		7	7			EDT-08E2-4L	72*50*104	
3/8"	5	0.65		5	5			EDT-10E2-5L	72*50*104	
3/8"	6	0.8		4	4			EDT-10E2-6L	72*50*104	
1/2"	5	0.65		5	5			EDT-15E2-5L	72*50*104	
1/2"	6	0.8		4	4			EDT-15E2-6L	72*50*104	



EPT-15E2-13L

Very low
working temperature
to High temperature

How to order

EPT	--	10	--	E2	--	13L	--	
EPT series		Port size 10: 3/8" 15: 1/2" 20: 3/4" 25: 1" 35: 1-1/4" 40: 1-1/2" Flange type F25: DN25 F32: DN32 F40: DN40		Voltage E1: AC110V E2: AC220V E3: AC380V E4: DC24V E5: DC12V		Orifice 13L: 13mm 20L: 20mm 25L: 25mm 32L: 32mm 40L: 40mm DN25: 25mm DN32: 32mm DN40: 40mm		Blank: DIN connector F: flying leads

Specifications

Port size	Orifice	CV	Pressure difference(Bar)			Max temperature		Power	Model	Main Dimensions
			Min	Max (air,inert gas)		Low temperature	Steam			
				Low temperature	Steam					
3/8"	13	4.2	1	15	10	-80℃---10℃	99℃~185℃	AC: 27VA (16W) DC: 24W	EPT-10E2-13L	66"48"157
1/2"	13	4.2	1	15	10				EPT-15E2-13L	66"48"157
3/4"	20	7.3	1	15	10				EPT-20E2-20L	75"58"165
1"	25	11.5	1	15	10				EPT-25E2-25L	96"70"176
1-1/4"	32	22	1	15	10				EPT-35E2-32L	131"96"196
1-1/2"	40	29	1	15	10				EPT-40E2-40L	131"96"196
Flange connection	25	11.5	1	15	10				EPT-F25E2-25L	148"100"202
	32	22	1	15	10	EPT-F35E2-32L	161"135"230			



EDG-35E2-45L



EDG-08E2-6L

Specially for Gas

How to order

EDG	--	10	--		--	E2	--	1.2L	--	W
EDG series		Port size 08: 1/4" 10: 3/8" 15: 1/2" 20: 3/4" 25: 1" 35: 1 1/4" 40: 1 1/2" 50: 2"		Seal material Blank: NBR V: Viton		Voltage E1: AC110V E2: AC220V E3: AC380V E4: DC24V E5: DC12V		Orifice 6L: 6mm 9L: 9mm 19L: 19mm 20L: 20mm 25L: 25mm 45L: 45mm		Blank: Din Connector Metal coil P: Din Connector Plastic coil F: flying leads E: Anti-explosion

Specifications

Port size	Orifice	C V	Pressure difference(Bar)		Max temperature	Power		Model	Main Dimensions
			Min	Max (air,inert gas)		AC	DC		
						VA	W		
1/4"	6	0.8	0	2	NBR: 65°C VITON: 100°C	22	13	EDG-08E2-6L	51*35*91
1/4"	9	1.2	0	0.6		22	13	EDG-08E2-9L	51*35*91
3/8"	6	0.8	0	2		22	13	EDG-10E2-6L	51*35*91
3/8"	9	1.4	0	0.6		22	13	EDG-10E2-9L	51*35*91
1/2"	9	1.4	0	0.6		22	13	EDG-15E2-9L	51*35*91
1/2"	19	7.5	0	0.36		33	20	EDG-15E2-19L	70*73*122
3/4"	19	7.5	0	0.36		33	20	EDG-20E2-19L	70*73*122
1"	25	13	0	0.36		33	20	EDG-25E2-25L	90*75*127
1-1/4"	45	31	0	0.5		41	34	EDG-35E2-45L	137*122*208
1-1/2"	45	31	0	0.5		41	34	EDG-45E2-45L	137*122*208
2"	45	31	0	0.5		41	34	EDG-50E2-45L	137*122*208

How to Order?



Model:

- * GM22-0.8L
- * Type: 2/2 normal close
- * Port Size: 1/8"
- * Orifice: 0.8mm
- * Pressure: 0-8Bar
- * Temperature: -5-80°C
- * Material: Brass
- * Seal Material: NBR



Model:

- * Q22XD-2L Q22XD-3L Q22XD-4L
- * Q22XD-5L Q23XD-2L Q23XD-3L
- * Q23XD-4L Q23XD-5L
- * Type: Normal close, Normal open(Optional)
- * Port Size: 1/8" 1/4"
- * Orifice: 2mm 3mm 4mm 5mm
- * Pressure: 0-8Bar
- * Temperature: -5-80°C
- * Material: Brass
- * Seal Material: NBR VITON



Model:

- * GU23-0.6-1.5L GU23-0.6-1.5LT
- * Type: 3/2 normal close normal open(Optional)
- * Port Size: 1/4"
- * Orifice: 1.5mm 2mm
- * Pressure: 0-8Bar
- * Temperature: -5-80°C
- * Material: Brass
- * Seal Material: NBR



Model:

- * EF23-08H
- * Type: 3/2 normal close
- * Port Size: 1/4"
- * Pressure: 0-16 Bar
- * Temperature: 0-160°C
- * Material: Brass



Model:

- * EMC22-M5
- * Type: 2/2 normal close
- * Port Size: 5mm
- * Orifice: 1mm
- * Pressure: 0-8Bar
- * Temperature: -5-85°C
- * Material: PP



Model:

- * GM22-1.2L
- * Type: 2/2 normal close
- * Port Size: M5
- * Orifice: 1.2mm
- * Pressure: 0-8Bar
- * Temperature: -5-80°C
- * Material: Brass
- * Seal Material: NBR



Model:

- * GL23-06-2L GL23-06-3L
- * Type: 3/2 normal close
- * Port Size: 1/8" 1/4"
- * Orifice: 2mm 3mm
- * Pressure: 0-8Bar
- * Temperature: -5-80°C
- * Material: Brass
- * Seal Material: NBR



Model:

- * G22-06-3L
- * Type: 2/2 normal close
- * Port Size: 1/8" M12x1.25
- * Orifice: 3mm
- * Pressure: 0-8Bar
- * Temperature: -40-150°C
- * Material: Brass
- * Seal Material: NBR



Model:

- * GCH23-M
- * Type: 3/2 normal close
- * Orifice: 1.2mm
- * Pressure: 0-14Bar
- * Temperature: 80-160°C
- * Material: Brass



Low Power Valve



Model:

- * ETS23
- * Type: 3/2 normal close
- * Port Size: In=6mm Pipe Out=M6*1
- * Orifice: 1.4mm
- * Pressure: 0-2.4Bar
- * Material: Reinforced Nylon

E·MC applies plenty of patent rights for the specially designed solenoid valves, of which some are 1st products in China, pneumatic industry. Just Let US know what you want, and E·MC will develop the exact product within 50 days.

—E·MC R & D Dept.



Low Power Plastic Multi-Ports Valve



Model:

- * PV4-M3
- * Type: 3/2 normal close
- * Port Size: 1/16"
- * Orifice: 1.4mm
- * Pressure: 0-2.4Bar
- * Material: Reinforced Nylon



For Diesel Engine



Model:

- * EMC23-12L
- * Type: 3/2 normal close
- * Port Size: 1/2"
- * Orifice: 12mm
- * Pressure: 0-10Bar
- * Temperature: 0-100°C
- * Material: Aluminium



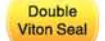
Model:

- * E6V110-M5-6L
- * Type: 3/2 normal close
- * Port Size: M5
- * Orifice: 1.4mm
- * Pressure: 0-8Bar
- * Temperature: 0-100°C
- * Material: Aluminium



Model:

- * MB22-01
- * Type: 2/2 normal close
- * Port Size: 1/8" M5
- * Orifice: 2.5mm
- * Pressure: 0-8Bar
- * Temperature: -5-150°C
- * Material: Brass



Double Viton Seal



Model:

- * MDD23-20
- * Type: 2/3
- * Port Size: 3/4NPT
- * Control pressure: 3.5-10Bar
- * Working pressure: 2-4Bar (water)
- * Material: Brass
- * Seal: Viton



Quick Exhausting Solenoid Valve



Model:

- * EQX30323
- * Type: 3/2 Quick Exhausting Solenoid Valve
- * Port Size: 1/4"
- * Pressure: 0-10Bar
- * Temperature: -5-60°C
- * Material: Aluminium



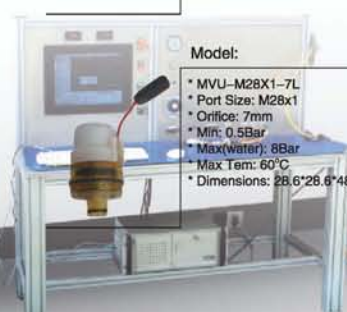
Model:

- * C35-06H, C32-06H
- * Type: 5/3, 3/2
- * Port Size: 1/8"
- * Orifice: 2.5mm
- * Pressure: 0-10Bar
- * Temperature: -5-85°C
- * Material: Aluminium



Model:

- * C35-08H
- * Type: 5/3
- * Port Size: 1/8"
- * Pressure: 0-10Bar
- * Temperature: -5-85°C
- * Material: Aluminium



Model:

- * MVU-M28X1-7L
- * Port Size: M28x1
- * Orifice: 7mm
- * Min: 0.5Bar
- * Max(water): 6Bar
- * Max Tem: 60°C
- * Dimensions: 28.6*28.6*48.5



Model:

- * LRV63-E4-D04
- * OD.Tabe: 4mm
- * Orifice: 0.5-1mm
- * Min: 1Bar
- * Max(water): 4Bar
- * Max Tem: 50°C
- * Dimensions: 77.6*51.3*51.3

We assure the good quality of solenoid valve by testing of computer system

EMC Series Full Stainless Steel Angle Valve



How to Order?

EMC -- 10 -- 40 -- A

Port Size
10: 3/8"
15: 1/2"
20: 3/4"
25: 1"
32: 1-1/4"
40: 1-1/2"
50: 2"

Actuator Size
40: 40mm
50: 50mm
63: 63mm
80: 80mm
100: 100mm

Type
A: Single Acting Normal Close
B: Single Acting Normal Open
C: Double Acting Normal Close
D: Double Acting Free Installation

Order example:
* EMC Stainless Steel series, 3/8" Port Size, Actuator Size 40mm, Single Acting Normal Close, Model: EMC10-40A

Specifications

Model	EMC10-50A/B/C/D	Model	EMC10-50A/B/C/D
Port Size	DN10-DN50	Medium Temperature(°C)	PTFE: -10~+180
Thread	G3/8"-G2"	Working Temperature(°C)	-10~+80
Valve Body	CF8M	Viscosity(mm²/s)	Max600
Actuator	CF8	Installation	any position
Seat Seal	PTFE	Controlling medium	Air, neutral gas
Piston Seal	PTFE/FKM	Controlling pressure(Bar)	3-10
Medium	water, neutral gas or liquid, ethanol, oil, organic solvent, steam, alkaline and weak acid solution		

Post Size	Orifice	Actuator	Kv Value	Working Pressure	Normal Close	Normal Open	Model
G3/8"	13	40	4.7	16	0-16	≥4	EMC10-40A EMC10-40B
G3/8"	13	50	4.7		0-16	≥3	EMC10-50A EMC10-50B
G1/2"	13	40	4.7		0-16	≥4	EMC15-40A EMC15-40B
G1/2"	13	50	4.7		0-16	≥3	EMC15-50A EMC15-50B
G3/4"	18	50	8.5		0-16	3-4	EMC20-50A EMC20-50B
G1"	24	50	18.1		0-16	3-5.5	EMC25-50A EMC25-50B
G1"	24	63	18.1		0-16	3-3.5	EMC25-63A EMC25-63B
G1-1/4"	31	63	23.1		0-16	3-5	EMC35-63A EMC35-63B
G1-1/2"	35	63	32.9		0-16	3-6	EMC40-63A EMC40-63B
G2"	45	63	52.8		0-10	3-6.5	EMC50-63A EMC50-63B
G2"	45	80	52.8		0-16	3-6.6	EMC50-80A EMC50-80B

EMC Series Plastic Actuator Angle Valve

How to Order?

EMCP -- 10 -- 40 -- A -- S1

Port Size
10: 3/8"
15: 1/2"
20: 3/4"
25: 1"
32: 1-1/4"
40: 1-1/2"
50: 2"

Actuator Size
40: 40mm
50: 50mm
63: 63mm
80: 80mm
100: 100mm

Type
A: Single Acting Normal Close
C: Double Acting Normal Open

Material
S1: SS316
S2: SS304

Order example:
* EMCP Plastic series, 3/8" Port Size, Actuator Size: 40mm, Single Acting Normal Close, SS304 Valve Body, Model: EMCP10-40A S1

Note: Here we updated model No. as the S1=SS316, S2=SS304

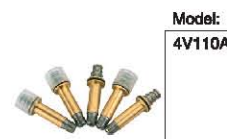


Specifications

Model	Model
Port Size	DN10-DN50
Thread	RC3/8"-RC2-1/2"
Body Material	SS316/SS304
Actuator Material	SS304/Aluminum
Seat Seal	PTFE/FPM
Stem seal	PTFE/FPM
Piston seal	FPM/NBR
Applicable medium	water, neutral gas or liquid, ethanol, oil, organic solvent, steam, alkaline and weak acid solution
Temperature of medium(°C)	PTFE:-10~+200 FPM:-10~+100
Viscosity(mm²/s)	max600
Installation	any position
Controlling medium	air/neutral gas
Controlling pressure(Bar)	3-8

Post Size	Actuator	Orifice mm	Kv Value	Temperature /Pressure	Post Size	Actuator	Orifice mm	Kv Value	Temperature /Pressure
3/8"	40	10.5	3.7	-10°C~200°C 0-18Bar	1"	50	24	19	-10°C~200°C 0-18Bar
3/8"	50	10.5	3.7		1"	63	24	18	
1/2"	40	13	4.2		1-1/4"	63	30	27	
1/2"	50	13	4.2		1-1/4"	80	30	27	
3/4"	40	17	8.0		1-1/4"	100	30	27	
3/4"	50	17	8.0		1-1/2"	83	35	42	
1"	40	24	19		1-1/2"	80	36	42	

Armature+Connector+Timer



Model:
4V110A



Model:
4V220A



Model:
We can produce many Special products based On clients' requirement



Model:
Q22XD-1.2A



Model:
K23D-1.2A



Model:
K23D-2A



Model:
43850C Connector



Model:
43850B Connector



Model:
43650A Connector



Model:
EMCC Connector

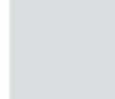


Model:
PUT Timer



Model:
110PH

Photo	Model	For Valve	Size(mm)
	VC1-F	V5211	Orifice: Φ8mm L x W x H: 22x17x23.5mm
	VC1-DT	V5211	Orifice: Φ8mm L x W x H: 22x17x23.5mm
	VC2-DT	V5221 V5231 V5241	Orifice: Φ9.2mm L x W x H: 28.5x22x29mm
	VC2-DL	3W 24VDC	Orifice: Φ9.2mm L x W x H: 28.5x20.5x26mm
	2PC	2P025 V5221 V5231 V5241	Orifice: Φ9.2mm H: 29mm
	2VC	2V6-25	Orifice: Φ9mm H: 29mm
	VXC	VX06-15	Orifice: Φ11mm H: 35mm
	ZSC-1F	ZS4-25mm	Orifice: Φ16.3mm L x W x H: 54X38.5X40mm
	SLP-HC	SLP10-50(N.O.)	Orifice: Φ16.3 L x W x H: 54X38.5X40mm
	SLPC	3-50mm EV1/EV3/EV5 ZSΦ10	Orifice: Φ14.7 L x W x H: 38.5x29x42mm
	ZSC-1D	ZS10-25mm(N.C.) THP(N.C., N.O.) SLP15-50(N.O.)	Orifice: Φ16.3mm L x W x H: 54X38.5X40mm
	ZSC-2D	ZS32-50mm	Orifice: Φ20.3mm H: 50mm
	EGVC-1	5-25mm	Orifice: Φ20.3mm H: 61.5mm
	ESP-C	ESP10-40mm	Orifice: Φ13mm H: 40mm
	ZSC-1F	ZS4-25mm	Orifice: Φ16.3mm L x W x H: 54X38.5X40mm

Photo	Model	For Valve	Size(mm)
	EWC	EWSLC	Orifice: Φ11.5mm H: 34mm
	UWEC	UW Series	Orifice: Φ16mm H: 31mm
	VEC	V5221 V5231 V5241	Orifice: Φ9.2mm H: 29mm
	USC	UW35-50 US10-50	Orifice: Φ23mm H: 55mm
	UDC	UD6-8 EV2/EV4	Orifice: Φ14mm H: 31mm
	UWC-1	UW10-25	Orifice: Φ18mm H: 37mm
	Q23C	Q23XD	Orifice: Φ19mm H: 33mm
	ESV-C	ESV06 ESV08	Orifice: Φ14.5mm L x W x H: 38.5x29x42mm
	PUC	PU15-20	Orifice: Φ14mm H: 42mm
	EDFC-S1	EDF15-25mm	Orifice: Φ16.3mm H: 43.5mm
	EDFC-B2	EDF32-50	Orifice: Φ21mm H: 55.5mm
	EMC-1C	EMC008B 010B 015B 025B EMC22001-3232 002 003 EMC23	Orifice: Φ12mm L x W x H: 42x36x40mm
	EMC-2C	EMC015-14B 020B 020B-20B 032B 040B 050B EMC22004 005 006 EMC008 010 015 020 EMC23/AC24V	Orifice: Φ14.5mm L x W x H: 42x36x40mm
	EMC-3C	EMC025	Orifice: Φ16mm L x W x H: 58x45x52mm
	EMC-4C	EMC23/AC24V	Orifice: Φ19mm L x W x H: 30x22x30mm
	EMB-C	EMB23 valve	Orifice: Φ11.5mm L x W x H: 30x30x47mm
	EMCFC	EMCF type pulse valve	Orifice: Φ12.3mm L x W x H: 42.5x37.5x41.5mm