

2/2-way solenoid valves stainless steel

2/2-way solenoid valves from stainless steel, force controlled

Eco-Line

Materials: Body: AISI 304L, internal parts: Stainless steel, seal: FKM
Temperature range: -20°C to max. +120°C, environment: Max. +65°C
Operating pressure: DC: 0 - 6 bar, AC: 0 - 10 bar
Power consumption: Direct current (DC): 20 W, G 1 1/4" - G 2": 45 W, alternating current (AC): 24 VA, G 1 1/4" - G 2": 36 VA (draw: 60/90 VA)
Media: Compressed air, neutral gases, water, neutral low-viscosity media, other media on request
Installation position: With upright magnets
Voltages: Standard: 24V=, 230V AC, upon request: See order examples for other voltages
Protection class: IP 65

Especially good value!



Type (DC) 24V=	Type (AC) 230V AC	Thread	DN	L	kv value ¹⁾	Replacement diaphragm
Closed (NC) without power						
ZS 38 ES 24V=	ZS 38 ES 230V	G 3/8"	16	69	68 l/min	ZS 381234 MEM **
ZS 12 ES 24V=	ZS 12 ES 230V	G 1/2"	16	69	68 l/min	ZS 381234 MEM **
ZS 34 ES 24V=	ZS 34 ES 230V	G 3/4"	20	73	108 l/min	ZS 381234 MEM **
ZS 10 ES 24V=	ZS 10 ES 230V	G 1"	25	99	171 l/min	ZS 10 MEM **
ZS 114 ES 24V=	ZS 114 ES 230V	G 1 1/4"	32	112	342 l/min	ZS 114 MEM **
ZS 112 ES 24V=	ZS 112 ES 230V	G 1 1/2"	40	123	413 l/min	ZS 112 MEM **
ZS 20 ES 24V=	ZS 20 ES 230V	G 2"	50	168	684 l/min	ZS 20 MEM **

¹⁾ water flow rate at +20°C, 1 bar pressure at the valve inlet, free discharge

Flow for air [l/min] $\approx 13.4 \cdot kv \cdot \sqrt{\frac{P_{input}}{P_{output}}}$ (P_{input} and P_{output} are absolute values in bar.)

** please enter the required material N=NBR, EP=EPDM, V=FKM

Order example: ZS 38 ES **

Standard type	Available voltages
	24V= (standard)-24V=
	230V AC (standard)-230V
	12V=-12V=
	24V AC-24VAC

These valves are generally delivered with coils and plugs!

2/2-way solenoid valves from stainless steel, force controlled

Materials: Body: AISI 316 (internal parts AISI 430F), seal: FKM
Temperature range: -20°C to max. +130°C
Operating pressure: 0 - 16 bar
Installation position: With upright magnets, opened without power (NO), also with horizontal magnets
Voltages: Standard: 24V=, 230V AC, upon request: Other voltages (see order examples)
Protection class: IP 65
Optional: NPT thread -NPT, EX protected* -EX

Dimensions can be found in the item details in our Online Shop

Type (DC) 24V=	Type (AC) 230V AC	Thread	DN	L	kv value ¹⁾
Closed (NC) without power					
M 2120 ES 24V=	M 2120 ES 230V	G 1/2"	13	67	65 l/min
M 2340 ES 24V=	M 2340 ES 230V	G 3/4"	25	95	180 l/min
M 2100 ES 24V=	M 2100 ES 230V	G 1"	25	95	216 l/min
M 21140 ES 24V=	M 21140 ES 230V	G 1 1/4"	40	140	433 l/min
M 21120 ES 24V=	M 21120 ES 230V	G 1 1/2"	40	140	533 l/min
M 2200 ES 24V=	M 2200 ES 230V	G 2"	50	168	750 l/min
Open (NO) without power					
MO 2120 ES 24V=	MO 2120 ES 230V	G 1/2"	13	67	65 l/min
MO 2340 ES 24V=	MO 2340 ES 230V	G 3/4"	25	95	180 l/min
MO 2100 ES 24V=	MO 2100 ES 230V	G 1"	25	95	216 l/min
MO 21140 ES 24V=	MO 21140 ES 230V	G 1 1/4"	40	140	433 l/min
MO 21120 ES 24V=	MO 21120 ES 230V	G 1 1/2"	40	140	533 l/min
MO 2200 ES 24V=	MO 2200 ES 230V	G 2"	50	168	750 l/min

* please indicate protection class

¹⁾ water flow rate at +20°C, 1 bar pressure at the valve inlet, free discharge.

Flow for air [l/min] $\approx 13.4 \cdot kv \cdot \sqrt{\frac{P_{input}}{P_{output}}}$ (P_{input} and P_{output} are absolute values in bar.)

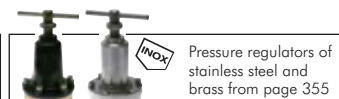
Order example: M 2120 ES ** **

Standard type	Available voltages
	24V= (standard)-24V=
	230V AC (standard)-230V
	12V=-12V=
	48V=-48V=
	24V AC-24VAC
	115V AC-115V

Designation for the options:
EX protected*-EX



These valves are generally delivered with coils and plugs!



All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.