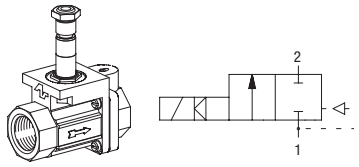
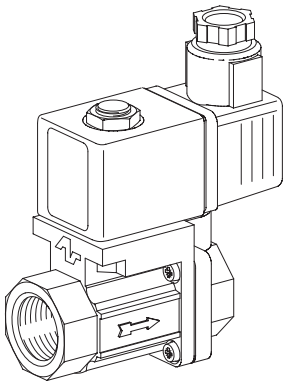
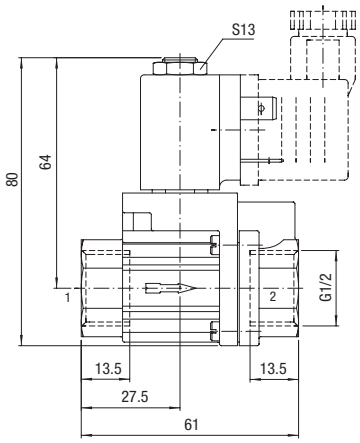
2/2-Way Solenoid Valve - Type EGV Series 300

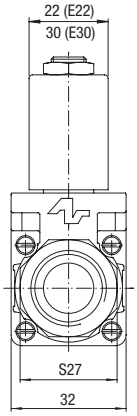
Price group	53	Function "A" normally closed	Low noise and impact-free closing, for neutral, gaseous or fluids	Brass

Version		DN	Kv-value water [m³/h]	G	PN	Possible type of power	Sealing material	Type	Order number	Price
	Valve without solenoid coil Permitted operating pressure 0.3 bar up to value according to table below.	13	3.2	G 1/2	16/8	AC/DC	NBR	EGV-311-A78-1/2BN-00	613401	o. r.
		13	3.2	G 1/2	16/8	AC/DC	EPDM	EGV-311-A78-1/2PN-00	613403	o. r.
		13	3.2	G 1/2	16/8	AC/DC	FKM	EGV-311-A78-1/2FN-00	613405	o. r.

Illustration

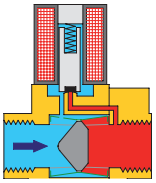




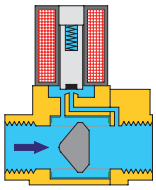


Cable sockets adaptable with solenoid coil E22 by 2 x 180°, with E30 by 4 x 90° repositionable. Both solenoid coils 360° rotatable.

Function

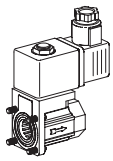


In 0-position - magnetic system not under power - its seat is closed. Pressure thus builds up in the control chamber, which due to the larger effective membrane surface holds the membrane in "closed" position.

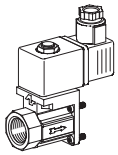


In overrideal position - magnetic system under power - its seat is open, the control chamber released and the membrane is held by the flow medium in "open" position. A minimum pressure difference is required for this.

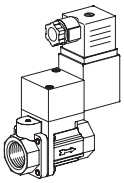
Variations



2/2-way flange mount Solenoid valve Flange-side pressure inlet Type EGV-311-AH9-...



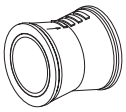
2/2-way flange mount Solenoid valve Thread-side pressure inlet Type EGV-311-A7L-...



2/2-way solenoid valve Rapid function version with 3/2-way servo-override especially for compressed air Type EGV-361-A87-... BP-00

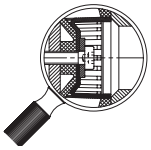
Options

Stepwise manual override Type EGV-312-... This limits: permitted excess operating pressure: 12.5 bar permitted Medium temperature: max. 60ºC



Membrane made of other material: CR (chloroprene) optimal for compressed air HNBR (NBR with higher nitrile content) specially for certain synthetic oils

increases resistance to corrosion, and replaces stainless steel valves cost-effectively for many flow medium Type EGV-311Q-...



Non-return valve integrated outlet-side in the gate unit Type EGV-311-A78-./.,R-.. This only blocks up to a pressure difference of 10 bar

Permitted Operating Pressure OP

DN	Type	PN	Combinable solenoid coil				Permitted Operating Pressure OP [bar] at ambient temperature +60 ºC														
			Type	Nominal power P_{20}			AC 50 Hz 90 %U_N Medium temperature			AC 60 Hz 90 %U_N Medium temperature			DC 90 %U_N Medium temperature			DC 90 %U_N Medium temperature			DC 100 %U_N Medium temperature		
				AC 50 Hz [VA]	AC 60 Hz [VA]	DC [W]	60 ºC	90 ºC	130 ºC	60 ºC	90 ºC	130 ºC	60 ºC	90 ºC	130 ºC	60 ºC	90 ºC	130 ºC	60 ºC	90 ºC	130 ºC
13	EGV-311-A..	16/8	E22...L.	3.5	on req.	2.5	8	on req.	on req.	7	on req.	on req.	6	5	4	4	3	2	6	5	4
			E22...M.	5.5	5	5	16	16	16	16	16	16	16	16	14	12	10	8	15	13	12
			E22...H.	-	-	8	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16
			E30...P.	12	10.5	8	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16