

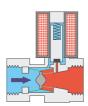
# 2/2-Way Solenoid Valve - Type EGV Series 800

Product 53 Function "A" normally closed Low noise and impact-free closing, for neutral, gaseous or medium

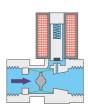
Stainless ste 1.4305

Version		DN	Kv-value water [m³/h]	G	PN	Possible type of current	Sealing material	Type (Valve without solenoid coil)	Order number	Price
		12	2.2	G 1/2	16/8	DC	NBR	EGV-813-A79-1/2BN-00	623052	o. r.
2	Valve without solenoid coil Permitted operating pressure 0.3 bar up to value according to table below.	12	2.2	G 1/2	16/8	DC	EPDM	EGV-813-A79-1/2PN-00	623054	o. r.
1		12	2.2	G 1/2	16/8	DC	FKM	EGV-813-A79-1/2FN-00	623056	o. r.

## **Function**



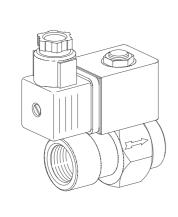
In 0-position - magnetic system not under current - its resting seat is closed. Pressure thus builds up in the control chamber, which due to the larger effective membrane surface holds the membrane in "closed" position.

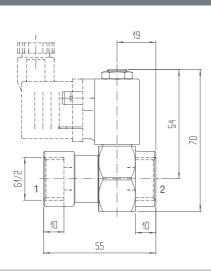


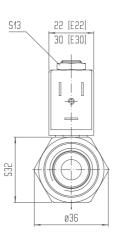
In operational position - magnetic system under current - its resting seat is open, the control chamber released and the membrane is held by the flow medium in "open" position.

A minimum pressure difference is required for this.

## Illustration







Alternating current (AC) operation is Possible with use of cable socket type ESG with integrated bridge rectifier.

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

<b>Permitted Excess Operating Pressure PE</b>	Permitted	Excess O	perating	Pressure	PB
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			Con	Combinable solenoid coil				Permitted excess operating pressure PB [bar] at ambient temperature +60 °C																			
				Nom		Nominal power P <sub>20</sub>		AC 50 Hz			AC 60 Hz		DC	DC O			DC			DC							
DN	I type	PN	type	AC 50 Hz	AC 60 Hz	DC	N N			90 %U <sub>N</sub> Medium temperature			90 %U <sub>N</sub>			100 %U <sub>N</sub> Medium temperature											
				[VA]	[VA]	[W]	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C						
		16/8	16/8	16/8	16/8				E22L.	-	-	2.5	-	-	-	-	-	-	-	-	-	8	6	4	9	8	7
12	EGV-813-A						E22M.	-	-	5	-	-	-	-	-	-	-	-	-	16	16	16	16	16	16		
12	EGV-013-A					E22H.	-	-	8	-	-	-	-	-	-	-	-	-	16	16	16	16	16	16			
			E30P.	-	-	8	-	-	-	-	-	-	-	-	-	16	16	16	16	16	16						



#### 2/2-Way Solenoid Valve - Type EGV Series 800

Product group 5

**53** 

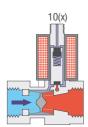
Function "Z" closed in 0-position with existing auxiliary pressure at "10"

Low noise and impact-free closing, for neutral, gaseous or medium

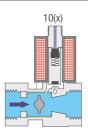
Stainless ste

Version		DN	Kv-value water [m³/h]	G	PN	Possible type of current	Sealing material	Type (Valve without solenoid coil)	Order number	Price
2(1)	Valve without solenoid coil Permitted operating pressure 0.3 bar up to value according	12	2.2	G 1/2	16	AC/DC	NBR	EGV-811-Z77-1/2BP-00	623351	0. r.
10(x)	to table below, double-sided blocking. Permitted control pressure at "X":	12	2.2	G 1/2	16	AC/DC	EPDM	EGV-811-Z77-1/2PP-00	623353	0. r.
i. <u>\$</u>	≥ Operating pressure, max. 16 bar	12	2.2	G 1/2	16	AC/DC	FKM	EGV-811-Z77-1/2FP-00	623355	0. r.

## **Function**

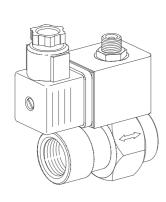


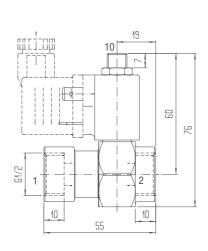
In 0-position - magnetic system not under current - its resting seat is closed. The auxiliary pressure accumulated at "10" thus builds up in the control chamber and holds the membrane in "closed" position.

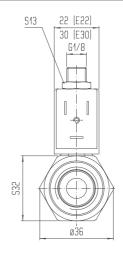


In operational position - magnetic system under current - its operational seat is closed. The control chamber is released by the open resting seat and the membrane held in "open" position by the flow medium. A minimum pressure difference is required for this (except 0-pressure membrane as listed under Options)

## Illustration







These valves can also be used for dirty media by the application, depending on constructional design, of an external medium, e.g. compressed air, for controlling the membrane. A typical application is the drainage of condensation from compressed air networks.

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

#### Permitted Excess Operating Pressure PB

	Fermitted Excess Operating Fresst						пег	_																			
			Con	nbinable	solenoid	coil				Permitt	ed exces	s operatir	ng pressu	re PB [ba	ar] at amb	ient tem	perature	+60 °C									
				Nominal power P <sub>2</sub>		er P <sub>20</sub>							DC			DC			DC								
DN	type	PN	type	50 Hz 6			90 %U <sub>N</sub> Medium temperature		- · · · · N		90 %U <sub>N</sub> Medium	90 %U <sub>N</sub> Medium temperature		90 %U <sub>N</sub> Medium temperature		rature	100 %U <sub>N</sub> ← Medium temperature		rature								
			[VA]	[VA]	[VA]	[W]	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C						
			E22L.	3.5	on req.	on req.	on req.	on req.	on req.	on req.	on req.	on req.	on req.	on req.	on req.	on req.	on req.	on req.	on req.	on req.	on req.						
12	EGV-811-Z	16	E22M.	5.5	5	5	-	-	-	-	-	-	-	16	16	16	16	16	16	16	16						
12	EUV-011-Z	10	E22H.	-	-	8	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16						
			E30P.	12	10.5	8	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16						



## 2/2-Way Valve - Type PGV Series 800 - Pressure Operated by External Medium

Product group

Function "B" open in 0-position (without control pressure)

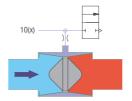
low noise and impact-free closing, for neutral, gaseous and liquid media

Version	Controlpres- sure [bar]	DN	Kv-value water [m³/h]	G	PN	Sealing material	Type (Valve without solenoid coil)	Order number	Price	
2(1)	2/2-way valve pressure operated, blocking		12	2.2	G 1/2	16	NBR	PGV-831-B77-1/2BP	624451	0. r.
	double-sided by external medium Permitted operating pressure 0.3 to 16 bar	≥ excess operating pressure max. 16	12	2.2	G 1/2	16	EPDM	PGV-831-B77-1/2PP	624452	0. r.
1(2)		mux. 10	12	2.2	G 1/2	16	FKM	PGV-831-B77-1/2FP	624453	0. r.

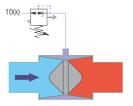
#### Illustration

Remotely operated 2/2-way valve regulated by external medium with 3/2-way valve (positive control)

Remotely operated 2/2-way valve regulated by external medium with 2/2-way valve



Remotely operated excess pressure valve regulated by external medium with pressure regulator



#### 2/2-Way Valve - Type PGV Series 800 - Pressure Operated by own Medium

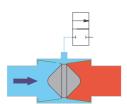
Function "B" open in o po (without control pressure) Function "B" open in 0-position

low noise and impact-free closing, for neutral, gaseous and liquid media Stainless steel 1.4305

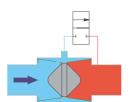
	(maiout contact process)	Tor modular, gao	oodo ana nga	ia ilioala						-	000	
	Version		Controlpres- sure [bar]	DN	Kv-value water [m³/h]	G	PN	Sealing material	Type (Valve without solenoid coil)	Order number	Price	
	0(4)	2/2-way valve	≥ excess operating pressure	12	2.2	G 1/2	16	NBR	PGV-831-B77-1/2BN	624471	0. r.	
	2(1)	pressure operated, by own medium Permitted operating pressure 0.3 to 16 bar		operating pressure	operating	12	2.2	G 1/2	16	EPDM	PGV-831-B77-1/2PN	624472
		0.0 to 10 but	max. 10	12	2.2	G 1/2	16	FKM	PGV-831-B77-1/2FN	624473	0. r.	

### Illustration

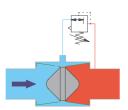
Remotely operated 2/2-way valve regulated by own medium with 2/2-way valve (negative control)



Remotely operated 2/2-way valve regulated by own medium with 2/2-way valve (control medium recycled)



Remotely operated pressure regulator valve regulated by own medium with pressure regulator (control medium recycled)



## Illustration

