

# 2/2-Way Solenoid Valve - Type EGV Series 200

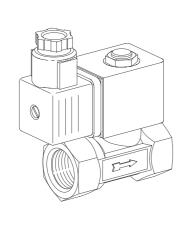
Product group Function "A" normally closed

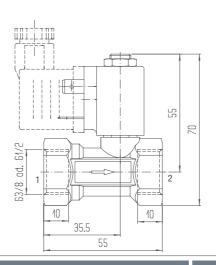
low noise and impact-free closing, for neutral, gaseous or fluids

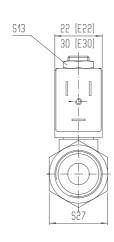
Brass

Version		DN	Kv-value water [m³/h]	G	PN	Possible type of current	Sealing material	Туре	Order number	Price	
		10	2	G 3/8	16/8	AC/DC	NBR	EGV-211-A79-3/8BN-00	613041	0. r.	
	Valve without solenoid coils Permitted operating pressure 0.3 bar up to value according to table below.	10	2	G 3/8	16/8	AC/DC	EPDM	EGV-211-A79-3/8PN-00	613043	o. r.	
		10	2	G 3/8	16/8	AC/DC	FKM	EGV-211-A79-3/8FN-00	613045	o. r.	
		12	2.2	G 1/2	16/8	AC/DC	NBR	EGV-211-A79-1/2BN-00	613051	o. r.	
				12	2.2	G 1/2	16/8	AC/DC	EPDM	EGV-211-A79-1/2PN-00	613053
		12	2.2	G 1/2	16/8	AC/DC	FKM	EGV-211-A79-1/2FN-00	613055	0. r.	

# Illustration







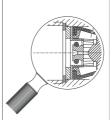
Cable sockets adaptable with solenoid coils E22 by 2 x 180°, with E30 by 4 x 90° repositionable. Both solenoid coilss 360° rotatable.

# **Function**



In 0-position - magnetic system not under current - 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.





integrated volume regulator 6, 10 or 12 l/min For pressure between 1 and 10 bar the is held constant with a tolerance of  $\pm15~\%.$  Please do not hesitate to ask us if you have any questions!



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

Brass components chemically nicket-plated

increases resistance to corrosion and replaces stainless steel valves cost-effectively for many medium Type EGV-211Q-...

P	Permitted Operating Pressure OP																				
			Com	binable	solenoid o	coils	Permitted Operating Pressure OP [bar] at ambient temperature +60 °C														
D11	DN type	B.1		Nomi	inal curre	nt P <sub>20</sub>	AC 50 H	lz 🔷		AC 60 H	z /	$\overline{\mathcal{A}}$	DC			DC 90 %U,,			DC		
DN		PN	type	AC 50 Hz	AC z 60 Hz	DC [W]	90 %U <sub>N</sub> Mediu	m tempe	rature	N			90 %U <sub>N</sub> Medium	Medium temperature			ım tempe	erature	100 %U <sub>N</sub> Medium temperature		
				[VA]	[VA]		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.	2.5	16	13	12	16	13	on req.	15	10	9	8	6	4	9	8	7
10 and	EGV-211-A	16/0	E22M.	5.5	5	5	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
12	EUV-211-A	16/8	E22H.	-	-	8	-	-	-	-	-	-	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 Solenoid Valve - Type EGV Series 200

Product group 5

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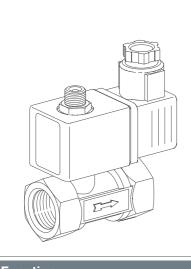
Function "B" normally open

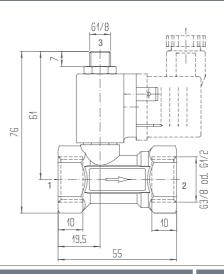
Low noise and impact-free closing, for neutral, gaseous or fluids

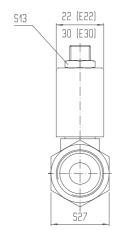
Brass

Version		DN	Kv-value water [m³/h]	G	PN	Possible type of current	Sealing mate- rial	Type (Partial solenoid valve without solenoid coils)	Order number	Price		
		10	2	G 3/8	16/8	AC/DC	NBR	EGV-211-B97-3/8 BP-00	613291	0. r.		
	Valve without solenoid coils	10	2	G 3/8	16/8	AC/DC	EPDM	EGV-211-B97-3/8 PP-00	613293	0. r.		
2	Permitted operating pressure 0.3 bar up to value according to table below.	10	2	G 3/8	16/8	AC/DC	FKM	EGV-211-B97-3/8 FP-00	613295	0. r.		
					12	2.2	G 1/2	16/8	AC/DC	NBR	EGV-211-B97-1/2 BP-00	613301
		12	2.2	G 1/2	16/8	AC/DC	EPDM	EGV-211-B97-1/2 PP-00	613303	0. r.		
		12	2.2	G 1/2	16/8	AC/DC	FKM	EGV-211-B97-1/2 FP-00	613305	0. r.		

# Illustration



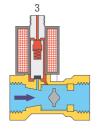




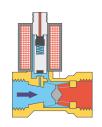
These valves, due to their long lifetime, are primarily used as a start-up unloading device for compressors. If the magnet loses current, control chamber volume leakage of "3" occurs briefly. If necessary this must be caught and discharged at connector G 1/8 (above).

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

# **Function**



In 0-position - magnetic system not under current - its seat is closed and its overrideal seat open. Thereby the control chamber is discharged by port"3" and the membrane held in "open" position by the medium. A minimum pressure difference is required for this operation.



In overrideal position - magnetic system under current - its seat is open and its overrideal seat closed. Pressure thus builds up in the control chamber, which due to the larger effective membrane surface holds the membrane in "closed" position.

# Options



increases resistance to corrosion and replaces stainless steel valves cost-effectively for many medium Type EGV-211Q-...

P	Permitted Operating Pressure OP																					
			Com	binable	solenoid o	coils				Peri	mitted Op	erating P	ressure (	OP [bar] a	ıt ambier	t temper	ature +60	0°C				
	DN type	5.1		Nom	inal curre	nt P <sub>20</sub>	AC 50 H	lz 🔾		AC 60 F	lz /	$\overline{\mathbf{A}}$	DC				DC					
DN		PN	type	type AC 50 Hz	AC 60 Hz	DC	90 %U <sub>N</sub> Mediu	m tempe	rature	90 %U <sub>N</sub> Mediu	m tempe	rature	90 %U <sub>N</sub> Medium	tempera	iture	90 %U <sub>N</sub> Mediu	ım tempe	erature	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	
			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.	
10	EGV-212-B	16/0	E22M.	5.5	5	5	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
and 12	EUV-212-D	16/8	16/8	E22H.	-	-	8	-	-	-	-	-	-	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	



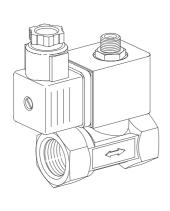
#### 2/2-Way Solenoid Valve - Type EGV Series 200

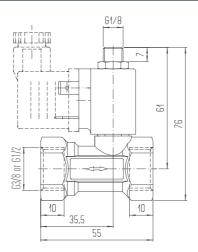
Product group

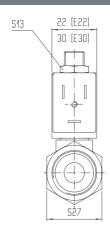
Function "Z" normally closed with existing auxiliary pressure at "10" low noise and impact-free closing, for neutral, gaseous or fluids

Version		DN	Kv-value water [m³/h]	G	PN	Possible type of current	Sealing material	Type (Partial solenoid valve without solenoid coils)	Order number	Price
24)		10	2	G 3/8	16	AC/DC	NBR	EGV-211-Z77-3/8BP-00	613341	0. r.
2(1)	Valve without solenoid coils Permitted operating pressure 0.3 bar up to value according to table below, double-sided blocking.	10	2	G 3/8	16	AC/DC	EPDM	EGV-211-Z77-3/8PP-00	613343	0. r.
		10	2	G 3/8	16	AC/DC	FKM	EGV-211-Z77-3/8FP-00	613345	0. r.
10X		12	2.2	G 1/2	16	AC/DC	NBR	EGV-211-Z77-1/2BP-00	613351	0. r.
		12	2.2	G 1/2	16	AC/DC	EPDM	EGV-211-Z77-1/2PP-00	613353	0. r.
1(2)		12	2.2	G 1/2	16	AC/DC	FKM	EGV-211-Z77-1/2FP-00	613355	0. r.

#### Illustration



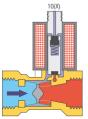




These valves can also be used for dirty media by the application, depending on constructional design, of an external medium, e.g. compressed air, for controlling the membrane.

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

# **Function**

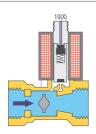


In 0-position - magnetic system not under current - its seat is closed. The auxiliary pressure accumulated at "10" thus builds up in the control chamber and holds the membrane in "closed" position.



**Options** 

0-pressure membrane requires no differential pressure to open, however to close control pressure 1 bar above operating pressure TYPE EGV-211-Z77-..-0-00



In overrideal position - magnetic system under current its overrideal seat is closed. The control chamber is discharged by the open seat and the membrane held in "open" position by the medium. A minimum pressure difference is required for this.



increases resistance to corrosion and replaces stainless steel valves cost-effectively for many medium Type EGV-211Q-...

P	Permitted Operating Pressure OP																				
			Com	binable	solenoid (	coils				Perr	nitted Op	erating P	ressure (	OP [bar] a	ıt ambien	t temper	ature +60	O°C			
DN	DN type	DM		Nomi	Nominal current P <sub>20</sub>		AC 50 H	lz 🔷		AC 60 H							DC				
DN		PN	type AC 50 Hz [VA]	50 Hz	AC 60 Hz	0 Hz	90 %U <sub>N</sub> Mediu	m tempe	erature	- · · · · N			90 %U <sub>N</sub> Medium temperature			90 %U <sub>N</sub> Mediu	ım tempe	rature	100 %U <sub>N</sub> Medium temperature		
				[VA]	[VA]		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.
10	EGV-211-Z	10/0	E22M.	5.5	5	5	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
and 12	EGV-211-Z	16/8	E22H.	-	-	8	-	-	-	-	-	-	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



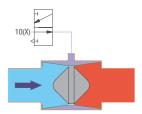
# 2/2-Way Valve - Type PGV Series 200 - Pressure Operated (Volume Booster) by External Medium

low noise and impact-free closing, 53 | Function "B" normally open Brass group for neutral, gaseous and fluids

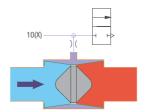
	Con- trolpres- sure [bar]	DN	Kv-value water [m³/h]	G	PN	Sealing material	Type (Partial solenoid valve without solenoid coils)	Order number	Price		
2(1)		2/2-way valve pressure		10	2	G 3/8	16	NBR	PGV-231 -B77-3/8BP	614041	0. r.
		operated, double-sided blocking by external medium	≥ excess operating pressure max. 16	10	2	G 3/8	16	EPDM	PGV-231 -B77-3/8PP	614043	0. r.
	2(1)			10	2	G 3/8	16	FKM	PGV-231 -B77-3/8FP	614045	0. r.
	→ Ţ	Permitted operating pressure 0.3 to 16 bar		12	2.2	G 1/2	16	NBR	PGV-231 -B77-1/2BP	614051	0. r.
	1(2)			12	2.2	G 1/2	16	EPDM	PGV-231 -B77-1/2PP	614053	0. r.
		Further features Page <ae></ae>		12	2.2	G 1/2	16	FKM	PGV-231 -B77-1/2FP	614055	0. r.

#### Illustration

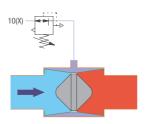
Remotely operated 2/2-way valve regulated by external medium with 3/2-way valve (positive control)



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



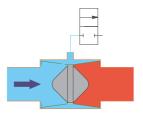
### 2/2-Way Valve - Type PGV Series 200 - Pressure Operated (Volume Booster) by Own Medium

Function "B" normally open low noise and impact-free closing, Product 53

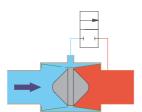
group (without control pressure) for neutral, gaseous and fluids Kv-value Type Order Sealing material Version trolpres DN water G PN (Partial solenoid valve without Price number sure [bar] [m<sup>3</sup>/h] solenoid coils) 2 G 3/8 16 NBR PGV-231-B77-3/8BN 614095 o. r. 2/2-way valve pressure operated, by own medium 10 2 G 3/8 16 **EPDM** PGV-231-B77-3/8PN 614073 o. r. ≥ excess 2 G 3/8 FKM PGV-231-B77-3/8FN 614075 10 16 0. r. Permitted operating pressure operating 0.3 to 16 bar pressure 12 22 G 1/2 NBR PGV-231-B77-1/2BN 16 614081 0. r. max. 16 Further characteristics Page <AE> 12 2.2 G 1/2 16 **EPDM** PGV-231-B77-1/2PN 614083 0. r. 12 2.2 G 1/2 16 FKM PGV-231-B77-1/2FN 614085 0. r.

#### Illustration

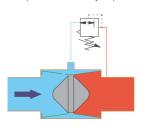
Remotely operated 2/2-way valve regulated by own medium with 2/2-way valve (negative control)



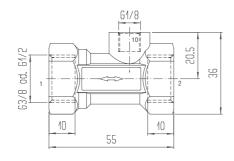
Remotely operated 2/2-way valve regulated by own medium with 2/2-way valve (control medium recycled)



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



#### Illustration





#### **Options**



increases resistance to corrosion and replaces stainless steel valves cost-effectively for many flow media Type PGV-231Q-...

**Brass**