

Product group

**53** 

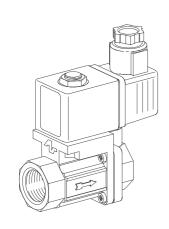
Function "A" normally closed

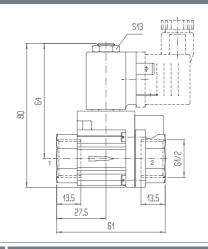
Low noise and impact-free closing, for neutral, gaseous or fluids

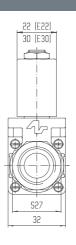
Brass

Version		DN	Kv-value water [m³/h]	G	PN	Possible type of power	Sealing material	Туре	Order number	Price
	Valve	13	3.2	G 1/2	16/8	AC/DC	NBR	EGV-311-A78-1/2BN-00	613401	0. r.
	without solenoid coil Permitted operating pressure 0.3 bar up to value	13	3.2	G 1/2	16/8	AC/DC	EPDM	EGV-311-A78-1/2PN-00	613403	0. r.
	according to table below.	13	3.2	G 1/2	16/8	AC/DC	FKM	EGV-311-A78-1/2FN-00	613405	0. r.

#### Illustration

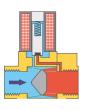




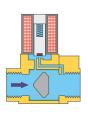


Cable sockets adaptable with solenoid coil E22 by 2 x 180°, with E30 by 4 x 90° repositionable. Both solenoid coils 360° rotatable.

#### **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. 60°C



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** Permitted Operating Pressure OP [bar] at ambient temperature +60 °C Combinable solenoid coil Nominal power P<sub>20</sub> AC 50 Hz AC 60 Hz DC DN PN 90 %U, Type 90 %U<sub>N</sub> 90 %U. 90 %U... 100 %U AC AC. DC Туре Medium temperature Medium temperature Medium temperature Medium temperature Medium temperature 50 Hz 60 Hz [VA] TW1 [VA] 60 °C 60 °C 60 °C 90 °C 130 °C 60 °C 90 °C 60 °C 90 °C 90 °C 130 °C 90 °C 130 °C 130 °C 130 °C 3.5 2.5 F22 I on req. 8 on req. on req. on req. on req 6 5 3 6 12 E22...M. 5.5 5 5 16 16 16 16 16 16 16 16 14 12 10 8 15 13 EGV-311-A.. 13 16/8 E22...H 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



Product group

**53** 

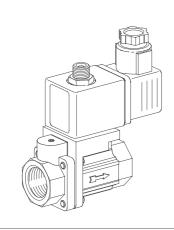
Function "B" normally open

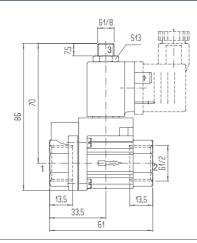
Low noise and impact-free closing, for neutral, gaseous or fluids

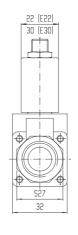
Bras

Version		DN	Kv-value water [m³/h]	G	PN	Possible type of power	Sealing material	Туре	Order number	Price
<b>a</b>		13	3.2	G 1/2	16	AC / DC	NBR	EGV-311-B87-1/2BP-00	613411	o. r.
2	Valve without solenoid coil Permitted operating pressure 0.3 bar up to value according to table below.	13	3.2	G 1/2	16	AC / DC	EPDM	EGV-311-B87-1/2PP-00	613413	o. r.
		13	3.2	G 1/2	16	AC / DC	FKM	EGV-311-B87-1/2FP-00	613415	0. r.

# Illustration



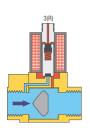




These valves, due to their long lifetime, are primarily used as a start-up unloading device for compressors. If the magnet loses power, control chamber volume leakage of "3" occurs briefly. If necessary this must be caught and discharged at connector G 1/8 (above).

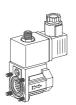
Cable sockets adaptable with solenoid coil E22 by 2 x 180°, with E30 by 4 x 90° repositionable. Both solenoid coils 360° rotatable

# **Function**



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





2/2-way flange mount Solenoid valve Flange-side pressure inlet Type EGV-311-BL7-.....



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



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-B87-./.,T-.. This only blocks up to a pressure

difference of 10 bar

In overrideal position magnetic system under
power - 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.



2/2-way flange mount Solenoid valve Thread-side pressure inlet Type EGV-311-B9H-....

	o		9			<u> </u>															
			Con	mbinable	solenoid	coil				Peri	mitted Op	erating F	Pressure (	OP [bar] a	at ambier	it temper	ature + 6	O°C			
				Nom	inal powe	er P <sub>20</sub>	AC 50 H	lz 🔷		AC 60 H	lz 🖳	$\Delta$	DC	$\bigcap$		DC			DC		
DN	Туре	PN	Type	AC	AC	DC	90 %U <sub>N</sub>	ım tomno	ratura	90 %U <sub>N</sub>	m tompo	ratura	90 %U <sub>N</sub>	tompore		90 %U <sub>N</sub>	um tamna		100 %U	N	
			31.	50 Hz	60 Hz		ivieuit	ım tempe	rature	ivieulu	m tempe	rature	wearun	tempera	tture	Ivieuit	ım tempe	rature	Iviediu	m tempe	rature
				[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.	2.5	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.
13	EGV-311-B	16	E22M.	5.5	5	5	16	16	16	16	16	16	16	16	on req.	on req.	on req.	on req.	on req.	on req.	on req.
13	EGV-311-D	10	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



Product group 53 "C" in 0 position after "3" discha

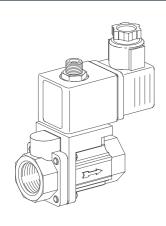
"C" in 0 position "1" closed, "2" after "3" discharged

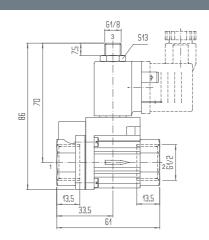
low noise and impact-free closing, for neutral, gaseous or fluids

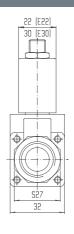
Brass

Version		DN	Kv-value water [m³/h]	G	PN	Possible type of power	Sealing material	Туре	Order number	Price
	Valve port 3:1.8DV	13	3.2	G 1/2	12.5	AC/DC	NBR	EGV-321-C69-1/2BN-00	613421	o. r.
2	without solenoid coil Permitted operating pressure 0.3 bar up to value according to table below.	13	3.2	G 1/2	12.5	AC/DC	EPDM	EGV-321-C69-1/2PN-00	613423	0. r.
1 3		13	3.2	G 1/2	12.5	AC/DC	FKM	EGV-321-C69-1/2FN-00	613425	0. r.

#### Illustration

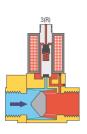




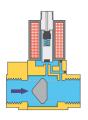


Cable sockets adaptable with solenoid coil E22 by 2 x 180°, with E30 by 4 x 90° repositionable. Both solenoid coils 360° rotatable.

В	u	n	C.	ti	O	n



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. Simultaneously the secondary side is ventilated via "3".



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-321-CH9-...



**Options** 

Stepwise manual override Type EGV-322-... This limits:

permitted excess operating pressure: 12.5 bar permitted Medium temperature: max. 60°C



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-321Q-...

			Con	nbinable	solenoid (	coil				Peri	mitted Op	erating F	ressure (	OP [bar] a	ıt ambien	t temper	ature +60	O°C			
				Nom	inal powe	r P <sub>20</sub>	AC 50 F	Iz		AC 60 H	z 🦳	$\overline{\mathbf{A}}$	DC			DC			DC		
DN	Type	PN	Туре	AC 50 Hz	AC 60 Hz	DC	90 %U <sub>N</sub> Mediu	ım tempe	erature	90 %U <sub>N</sub> Mediu	m tempe	rature	90 %U <sub>N</sub> Medium	tempera	iture	90 %U <sub>N</sub> Mediu	m tempe	rature	100 %U Mediu	m tempe	erature
				[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.	2.5	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.
10	E0V 001 0	10.5	E22M.	5.5	5	5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
13	EGV-321-C	12.5	E22H.	-	-	8	-	-	-	-	-	-	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
			E30P.	12	10.5	8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5

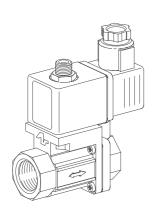


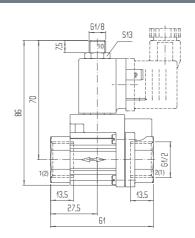
Product group

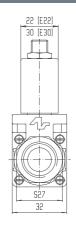
Function "Z" normally closed with existing auxiliary pressure at port "10" Low noise and impact-free closing, for neutral, gaseous or fluids

Version		DN	Kv-value water [m³/h]	G	PN	Possible type of power	Sealing material	Туре	Order number	Price
2(1)	Valve without solenoid coil Permitted operating pressure	13	3.2	G 1/2	16	AC/DC	NBR	EGV-311-Z76-1/2BP-00	613431	0. r.
1000	0.3 bar up to value according to table below, double-sided blocking. Permitted control	13	3.2	G 1/2	16	AC/DC	EPDM	EGV-311-Z76-1/2PP-00	613433	0. r.
1(2)	pressure at "10" ≥ Operating pressure, max. 16 bar	13	3.2	G 1/2	16	AC/DC	FKM	EGV-311-Z76-1/2FP-00	613435	0. r.

#### Illustration

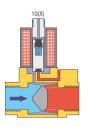




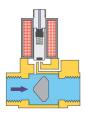


Cable sockets adaptable with solenoid coil E22 by 2 x 180°, with E30 by 4 x 90° repositionable. Both solenoid coils 360° rotatable

# **Function**



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



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

# **Variations**



2/2-way flange mount Solenoid valve Flange-side pressure inlet Type EGV-311-ZL7-..

# **Options**



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



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-..



0-pressure membrane requires no differential pressure to open, however to close requires control pressure 1 bar above operating pressure Type EGV-311-Z76-./..0-...

			Cor	nbinable	solenoid	coil				Peri	mitted Op	erating F	ressure (	OP [bar] a	at ambier	t temper	ature +6	O °C			
				Nom	inal powe	er P <sub>20</sub>	AC 50 H	Iz		AC 60 H	z 🦳	$\Delta$	DC			DC			DC		
DN	Type	PN	Туре	AC 50 Hz	AC 60 Hz	DC	90 %U <sub>N</sub> Mediu	ım tempe	erature	90 %U <sub>N</sub> Mediu	m tempe	rature	90 %U <sub>N</sub> Medium	tempera	nture	90 %U <sub>N</sub> Mediu	ım tempe	rature	100 %U Mediu	m tempe	rature
				[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.	2.5	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.
13	EGV-311-Z	16	E22M.	5.5	5	5	16	16	16	16	16	16	16	16	on req.	on req.	on req.	on req.	on req.	on req.	on req.
13	EGV-311-Z	10	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 with Pressure Regulator - Type EGR Series 300

Product group

**53** 

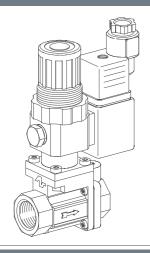
Function "C" normally closed, with secondary side discharged

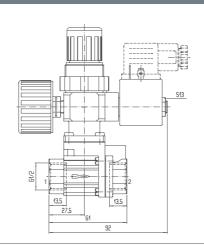
low noise and impact-free closing, for neutral, gaseous medium (fluid optional)

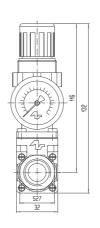
Brass

Ve	ersion		Secondary pressure [bar]	DN	Flow air [l/min]	G	PN	Possible type of power	Sealing material	Туре	Order number	Price
	2	Valve without solenoid coil	0.5 - 10	13	150 to 1,500	G 1/2	16/8	AC/DC	NBR	EGR-351-1C78-1/2BN-00	654001	0. r.
		without pressure gauge Permitted operating pressure 0.5 bar up to value	0.5 - 3	13	150 to 1,500	G 1/2	16/8	AC/DC	NBR	EGR-351-3C78-1/2BN-00	654002	0. r.
		according to table below.	0.5 - 6	13	150 to 1,500	G 1/2	16/8	AC/DC	NBR	EGR-351-6C78-1/2BN-00	654003	0. r.

#### Illustration







Pilot unit can be assembled rotated by 4x90°.

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

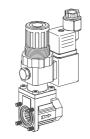
#### **Function**

With respect to electrical function the valve corresponds to a 2/2-way solenoid valve function "A".

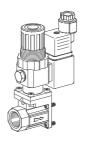
In overrideal position - magnetic system under power - the membrane is only held in "open" position by the flow medium until the outlet-side pressure reaches the value set on the pressure regulator. This can be set using the lockable adjustment button. The pressure should preferably be measured as near to the load as possible. In case of need a pressure gauge can also be attached to the pilot pressure regulator.

For dynamic loads or neutral fluids, a version without secondary-side ventilation can be supplied.

#### **Variations**



2/2-way flange mount Solenoid valve with Pressure regulator Flange-side pressure inlet Type EGR-351-.CH9-.



2/2-way flange mount Solenoid valve with Pressure regulator Thread-side pressure inlet Type EGR-351-.C7L-.....

#### **Options**



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-321Q-...



without secondary side ventilation of the pilot pressure regulator, especially for fluids
Type EGR-351-.A78-...

			Con	nbinable	solenoid (	coil				Permitted	Operating Pr	ressure OP [ba	ar] at ambien	t temperature	+60 °C		
				Nom	inal powe	r P <sub>20</sub>	AC 50 H	z 🦳		AC 60 Hz	$\overline{A}$	DC C		DC =		DC =	
DN	Type	PN	Туре	AC 50 Hz	AC 60 Hz	DC	90 %U <sub>N</sub> Mediu	ım tempe	rature	90 %U <sub>N</sub> — Medium te	mperature	90 %U <sub>N</sub> — Medium tem	nperature	90 %U <sub>N</sub> — Medium te	emperature	100 %U <sub>N</sub> — Medium te	mperature
				[VA]	[VA]	[W]	60 °C	90 °C	130 °C	60 °C	90 °C	60 °C	90 °C	60 °C	90 °C	60 °C	90 °C
			E22L.	3.5	on req.	2.5	8	on req.	-	7	on req.	6	5	4	3	6	5
13	EGV-351-C	16/8	E22M.	5.5	5	5	16	16	16	16	16	16	16	12	10	15	13
13	EGV-331-U	10/6	E22H.	-	-	8	-	-	-	-	-	16	16	16	16	16	16
			E30P.	12	10.5	8	16	16	16	16	16	16	16	16	16	16	16



# 2/2-Way Valve - Type PGV Series 300 - Pressure Operated (Volume Booster) by External Medium

Product group Function "B" normally open (without control pressure)

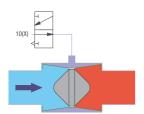
low noise and impact-free closing, for neutral, gaseous and fluids

Brass

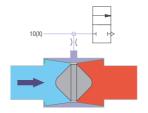
Version		Control pressure [bar]	DN	Kv-value water [m³/h]	G	PN	Sealing material	Туре	Order number	Price
	2/2-way valve pressure operated, double-sided	≥ excess	13	3.2	G 1/2	16	NBR	PGV-331-B76-1/2BP	614101	0. r.
2(1)	blocking by external medium  Permitted operating pressure	operating pressure max. 16	13	3.2	G 1/2	16	EPDM	PGV-331-B76-1/2PP	614103	0. r.
1(2)	0.3 to 16 bar	bar	13	3.2	G 1/2	16	FKM	PGV-331-B76-1/2FP	614105	0. r.

# Illustration

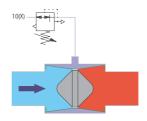
Remotely operated 2/2-way valve regulated by external medium with 3/2-way valve (positive control)



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 300 - Pressure Operated (Volume Booster) by own Medium

group

53

Function "B" normally open (without control pressure)

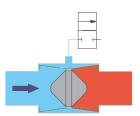
low noise and impact-free closing, for neutral, gaseous and fluids

Brass

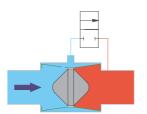
Version		Control pressure [bar]	DN	Kv-value water [m³/h]	G	PN	Sealing material	Туре	Order number	Price
	2/2-way valve pressure	≥ excess	13	3.2	G 1/2	16	NBR	PGV-331-B76-1/2BN	614151	0. r.
2	operated by own medium  Permitted operating pressure 0.3 to 16 bar	operating pressure max. 16	13	3.2	G 1/2	16	EPDM	PGV-331-B76-1/2PN	614153	0. r.
	0.0 to 10 but	bar	13	3.2	G 1/2	16	FKM	PGV-331-B76-1/2FN	614155	0. r.

#### Illustration

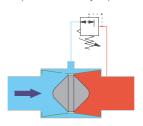
Remotely operated 2/2-way valve regulated by own medium with 2/2-way valve (negative control)



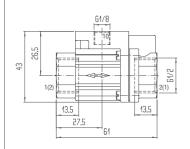
Remotely operated 2/2-way valve regulated by own medium with 2/2-way valve (control medium recycled)

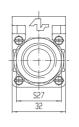


Remotely operated pressure regulator valve regulated by own medium with pressure regulator (control medium recycled)



# Illustration





# **Variations**



2/2-way flange mount valve (only external medium vers.) Flange-side or thread-side pressure inlet Type PGV-331-BH7-

#### **Options**



0-pressure membrane, requires no differential pressure to open, however control pressure to close 1 bar above operating pressure Type PGV-331-B76-./..0



# 2/2-Way Valve - Type PGV Series 300 - Pressure Operated

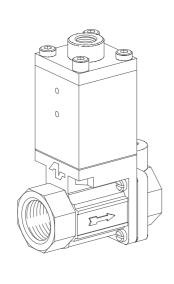
Product 53 Function "A" normally closed

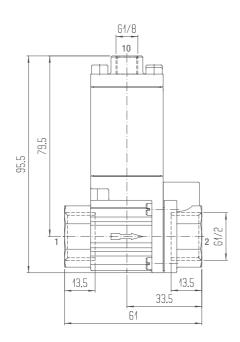
low noise functioning, for gaseous medium, especially compressed air

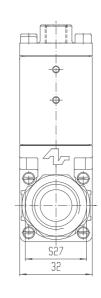
Rrass

Version		Controlpres- sure [bar]	DN	Flow air [Nm³/h]	G	PN	Sealing material	Туре	Order number	Price
	2/2-way valve pressure-operated by maintained compressed air Permitted operating pressure 0.3 to 16 bar	4-7	13	3.2	G 1/2	16	NBR	PGV-351-A96-1/2BP	614181	0. r.

# Illustration







These servo controlled valves with pneumatic override are used in the control of compressed air, e.g. for the purposes of explosion protection, where solenoid valves are not desirable.

Function		Variations	
10(0)	In 0-position - pre-control valve not pressurised - 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.		2/2-way flange mount valve Flange-side pressure inlet Type PGV-351AL7-1/2BP
10(X)	In overrideal position - pre-control valve pressurised - its overrideal seat is closed. The control chamber is released by the open seat, and the membrane is held in "open" position by the flow medium. A minimum pressure difference is required for this.		2/2-way flange mount valve Thread-side pressure inlet Type PGV-351A9H-1/2BP



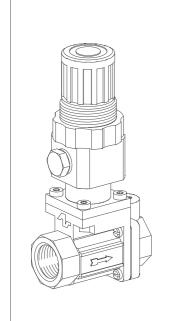
# Pressure Regulator Valve - Type RGV Series 300

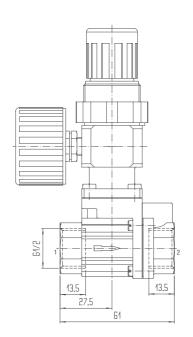
Product 53 with secondary side group low noise and impact-free control, for neutral, gaseous medium (optional fluids)

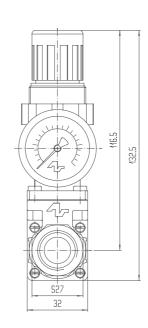
Brass

Version		Secondary pressure [bar]	DN	Flow air [l/min]	G	PN	Sealing material	Туре	Order number	Price
2		0.5 - 10	13	150 to 1,500	G 1/2	16	NBR	RGV-351-1C78-1/2BN	653001	o. r.
	Pressure regulator valve without pressure gauge Permitted operating pressure 0.5 bar up to 16 bar	0.5 - 3	13	150 to 1,500	G 1/2	16	NBR	RGV-351-3C78-1/2BN	653002	o. r.
		0.5 - 6	13	150 to 1,500	G 1/2	16	NBR	RGV-351-6C78-1/2BN	653003	o. r.

# Illustration







Pilot unit can be assembled rotated by 4x90°.

Variations		Options	
	Flange mount Pressure regulator valve Flange-side pressure inlet Type RGV-351CH9	paras components components composition discher palari	increases resistance to corrosion, and replaces stainless steel valves cost-effectively stainless steel pressure regulator Type RGV-351Q
	Flange mount Pressure regulator valve Thread-side pressure inlet Type RGV-351C7L		without secondary side ventilation of the pilot pressure regulator, especially for fluids Type RGV-351A78



Product group Function "A" normally closed, distributor version

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

Version		DN	Kv-value water [m³/h]	G	PN	Possible type of power	Sealing material	Туре	Order number	Price
<b>P</b>	Valve	13	3.2	G 1/2	16/8	AC/DC	NBR	EGV-311/V1-AH9-1/2BN-00	616801	o. r.
	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	EPDM	EGV-311/V1-AH9-1/2PN-00	616831	o. r.
	up to value according to table below.	13	3.2	G 1/2	16/8	AC/DC	FKM	EGV-311/V1-AH9-1/2FN-00	616861	o. r.
	Valve, 2-fold	13	3.2	G 1/2	16/8	AC/DC	NBR	EGV-311/V2-AH9-1/2BN-00	616802	0. r.
	Battery or 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	EPDM	EGV-311/V2-AH9-1/2PN-00	616832	o. r.
	up to value according to table below.		3.2	G 1/2	16/8	AC/DC	FKM	EGV-311/V2-AH9-1/2FN-00	616862	o. r.
	Valve, 3-fold	13	3.2	G 1/2	16/8	AC/DC	NBR	EGV-311/V3-AH9-1/2BN-00	616803	o. r.
	Battery or 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	EPDM	EGV-311/V3-AH9-1/2PN-00	616833	o. r.
	up to value according to table below.	13	3.2	G 1/2	16/8	AC/DC	FKM	EGV-311/V3-AH9-1/2FN-00	616863	o. r.

#### Illustration

**Valve Version** Description

Single valve

2-fold battery

3-fold battery

4-fold battery

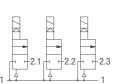
5-fold battery

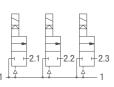
6-fold battery 7-fold battery

8-fold battery

9-fold battery

10-fold battery





44

77

110

143

176

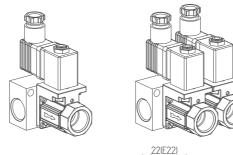
209

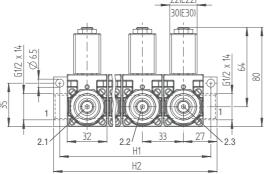
242

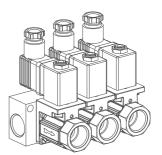
275

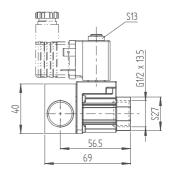
308

341









Valve	batteries	series	300	can	also	be	delivered	at	shor
notice	in 4- to 1	0-fold	versio	n					

H2

54

87

120

153

186

219

252

285

318

351

Valve batteries series 100 can also be constructed combined, with all valve Types, for all listed functions and with various options according to customer requirements.

Solenoid valves, with pressure regulator, pressure operated valves or pressure regulator valves, can thus be flangemounted on a collector plate according to requirement, or also opposite laterally reversed. Likewise the flow direction of the flange valves can be freely selected to a large extent. (Distributor or mixer version)

AVS-Römer furthermore manufactures so-called multifunctional blocks, with integrated injectors, pressure sensors and such like.

Р	Permitted Operating Pressure OP																				
			Con	nbinable	solenoid	coil				Peri	mitted Op	erating P	ressure (	)P [bar] a	at ambien	t tempera	ature + 6				
DN	_			Nom	inal powe	er P <sub>20</sub>	AC 50 H														
	Type	PN	Туре	AC AC 50 Hz 60 Hz	DC	90 %U <sub>N</sub> Mediu	ım tempe	rature	N N			90 %U <sub>N</sub> Medium	Medium temperature			90 %U <sub>N</sub> Medium temperature			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.	2.5	on req.	on req.	on req.	on req.	on req.	on req.	6	5	4	4	3	2	6	5	4
12	EGV-311/VA	16/8	E22M.	5.5	5	5	16	16	16	16	16	16	16	16	14	12	10	8	15	13	12
13	LUV-311/VA	10/0	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



Product group

**53** 

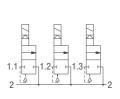
Function "A" normally closed, mixer version

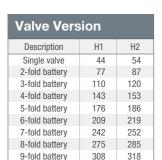
low noise and impact-free closing, for neutral, gaseous or fluids

**Brass** 

Version		Non- return valve	DN	Kv-value water [m³/h]	G	PN	Possible type of power	Sealing material	Туре	Order number	Price
		without	13	3.2	G 1/2	16/8	AC/DC	NBR	EGV-311/M1-A7L-1/2BN-00	616811	0. r.
	Valve	with	13	3.2	G 1/2	16/8	AC/DC	NBR	EGV-311/M1-A7L-1/2BR-00	616821	0. r.
	without solenoid coil Permitted operating pressure 0.3 bar	without	13	3.2	G 1/2	16/8	AC/DC	EPDM	EGV-311/M1-A7L-1/2PN-00	616841	0. r.
	up to value according to table below.	with	13	3.2	G 1/2	16/8	AC/DC	EPDM	EGV-311/M1-A7L-1/2PR-00	616851	0. r.
	ap to raise according to table scient	without	13	3.2	G 1/2	16/8	AC/DC	FKM	EGV-311/M1-A7L-1/2FN-00	616871	0. r.
		with	13	3.2	G 1/2	16/8	AC/DC	FKM	EGV-311/M1-A7L-1/2FR-00	616881	0. r.
9.		without	13	3.2	G 1/2	16/8	AC/DC	NBR	EGV-311/M2-A7L-1/2BN-00	616812	0. r.
	Valve, 2-fold	with	13	3.2	G 1/2	16/8	AC/DC	NBR	EGV-311/M2-A7L-1/2BR-00	616822	0. r.
	Battery or solenoid coil	without	13	3.2	G 1/2	16/8	AC/DC	EPDM	EGV-311/M2-A7L-1/2PN-00	616842	0. r.
	Permitted operating pressure 0.3 bar up to value according to table below.	with	13	3.2	G 1/2	16/8	AC/DC	EPDM	EGV-311/M2-A7L-1/2PR-00	616852	0. r.
	ap to value according to table below.	without	13	3.2	G 1/2	16/8	AC/DC	FKM	EGV-311/M2-A7L-1/2FN-00	616872	0. r.
		with	13	3.2	G 1/2	16/8	AC/DC	FKM	EGV-311/M2-A7L-1/2FR-00	616882	0. r.
9_		without	13	3.2	G 1/2	16/8	AC/DC	NBR	EGV-311/M3-A7L-1/2BN-00	616813	0. r.
	Valve, 3-fold	with	13	3.2	G 1/2	16/8	AC/DC	NBR	EGV-311/M3-A7L-1/2BR-00	616823	0. r.
	Battery or solenoid coil	without	13	3.2	G 1/2	16/8	AC/DC	EPDM	EGV-311/M3-A7L-1/2PN-00	616843	0. r.
	Permitted operating pressure 0.3 bar up to value according to table below.	with	13	3.2	G 1/2	16/8	AC/DC	EPDM	EGV-311/M3-A7L-1/2PR-00	616853	0. r.
	ap to value according to table below.	without	13	3.2	G 1/2	16/8	AC/DC	FKM	EGV-311/M3-A7L-1/2FN-00	616873	0. r.
		with	13	3.2	G 1/2	16/8	AC/DC	FKM	EGV-311/M3-A7L-1/2FR-00	616883	0. r.

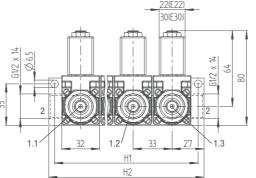
#### Illustration

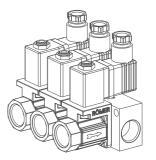


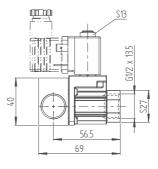


10-fold battery









The pressure value at outlet "2" may not exceed the values at inlets 1.1, 1.2 or 1.3, otherwise the version with integrated non-return valves should be selected. These block up to a pressure difference of 10 bar.

351

341

Valve batteries series 300 can also be delivered at short notice in 4- to 10-fold version.

Valve batteries series 100 can also be constructed combined, with all valve Types, for all listed functions and with various options according to customer requirements.

Solenoid valves, with pressure regulator, pressure operated valves or pressure regulator valves, can thus be flange-mounted on  ${\bf a}$  collector plate according to requirement, or also opposite laterally reversed. Likewise the flow direction

of the flange valves can be freely selected to a large extent. (Distributor or mixer version) AVS-Römer furthermore manufactures so-called multi-functional blocks, with integrated injectors, pressure sensors and such like.

P	ermitted (	Oper	ating	Pres	sure	OP															
			Con	nbinable	solenoid	coil				Per	mitted Op	erating F	Pressure	OP [bar] a	at ambier	nt temper	ature +6	0 °C			
	_			Nom	inal powe	er P <sub>20</sub>	AC 50 H	Iz		AC 60 H	Iz /		DC			DC			DC		
DN	Type	PN	Туре	AC AC DC 50 Hz 60 Hz			90 %U <sub>N</sub> Medium temperature			IV		90 %U <sub>N</sub> Medium	Medium temperature			90 %U <sub>N</sub> Medium temperature			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.	2.5	on req.	on req.	on req.	on req.	on req.	on req.	6	5	4	4	3	2	6	5	4
13	EGV-311/MA	16/8	E22M.	5.5	5	5	16	16	16	16	16	16	16	16	14	12	10	8	15	13	12
13	Lav of I/IVIA	10/0	E22H.	-	-	8	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16
			F30 P	12	10.5	8	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16