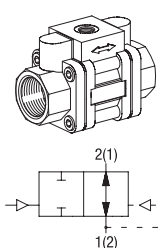
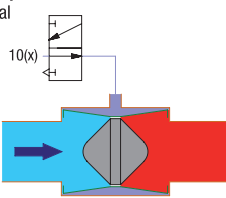


2/2-Way Solenoid Valve Type PGV Series 100 Pressure Operated by External Medium - Double-Sided Isolating

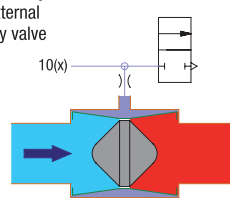
Price group 53	Function "B" normally open (without control pressure)	low noise and impact-free closing, for neutral, gaseous and fluids	Amb. temp. $T_{min} -20\text{ °C}$, $T_{max} +60\text{ °C}$ Med.-Temp. $T_{min} -10\text{ °C}$, $T_{max} +90\text{ °C}$		Brass				
Version	Control pressure [bar]	DN	Kv-value water [m ³ /h]	G	PN	Sealing material	Type	Order number	Price
2/2-way valve pressure operated, isolating double-sided by external medium Permitted operating pressure 0.2 to 16 bar 	\geq operating pressure max. 16	15	5.6	G 1/2	16	NBR	PGV-131-B76-1/2BP	614201	o. r.
		15	5.6	G 1/2	16	EPDM	PGV-131-B76-1/2PP	614203	o. r.
		15	5.6	G 1/2	16	FKM	PGV-131-B76-1/2FP	614205	o. r.
		20	7.6	G 3/4	16	NBR	PGV-131-B76-3/4BP	614211	o. r.
		20	7.6	G 3/4	16	EPDM	PGV-131-B76-3/4PP	614213	o. r.
		20	7.6	G 3/4	16	FKM	PGV-131-B76-3/4FP	614215	o. r.
		25	16.8	G 1	16	NBR	PGV-131-B76-1BP	614221	o. r.
		25	16.8	G 1	16	EPDM	PGV-131-B76-1PP	614223	o. r.
		25	16.8	G 1	16	FKM	PGV-131-B76-1FP	614225	o. r.
		32	21	G 1 1/4	16	NBR	PGV-131-B76-5/4BP	614231	o. r.
		32	21	G 1 1/4	16	EPDM	PGV-131-B76-5/4PP	614233	o. r.
		32	21	G 1 1/4	16	FKM	PGV-131-B76-5/4FP	614235	o. r.
		40	29.5	G 1 1/2	16	NBR	PGV-131-B76-6/4BP	614241	o. r.
		40	29.5	G 1 1/2	16	EPDM	PGV-131-B76-6/4PP	614243	o. r.
		40	29.5	G 1 1/2	16	FKM	PGV-131-B76-6/4FP	614245	o. r.
		50	35	G 2	16	NBR	PGV-131-B76-2BP	614251	o. r.
50	35	G 2	16	EPDM	PGV-131-B76-2PP	614253	o. r.		
50	35	G 2	16	FKM	PGV-131-B76-2FP	614255	o. r.		

Version and function: 2/2-way solenoid valve Type PGV series 100 pressure operated by external medium, double-sided blocking

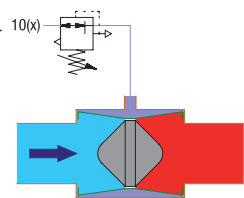
Remotely operated 2/2-way valve regulated by external medium with 3/2-way valve (positive control)

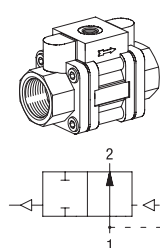


Remotely operated 2/2-way valve regulated by external medium with 2/2-way valve



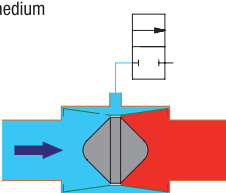
Remotely operated pressure valve regulated by external medium with pressure regulator


2/2-Way Solenoid Valve - Type PGV Series 100 Pressure Operated by own Medium

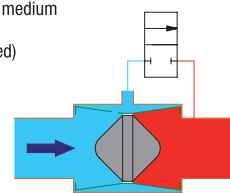
Price group 53	Function "B" normally open (without control pressure)	low noise and impact-free closing, for neutral, gaseous and fluids			Brass				
Version	Control pressure [bar]	DN	Kv-value water [m ³ /h]	G	PN	Sealing material	Type	Order number	Price
2/2-way valve pressure operated, by own medium Permitted operating pressure 0.2 to 16 bar 	\geq operating pressure max. 16	15	5.6	G 1/2	16	NBR	PGV-131-B76-1/2BN	614301	o. r.
		15	5.6	G 1/2	16	EPDM	PGV-131-B76-1/2PN	614303	o. r.
		15	5.6	G 1/2	16	FKM	PGV-131-B76-1/2FN	614305	o. r.
		20	7.6	G 3/4	16	NBR	PGV-131-B76-3/4BN	614311	o. r.
		20	7.6	G 3/4	16	EPDM	PGV-131-B76-3/4PN	614313	o. r.
		20	7.6	G 3/4	16	FKM	PGV-131-B76-3/4FN	614315	o. r.
		25	16.8	G 1	16	NBR	PGV-131-B76-1BN	614321	o. r.
		25	16.8	G 1	16	EPDM	PGV-131-B76-1PN	614323	o. r.
		25	16.8	G 1	16	FKM	PGV-131-B76-1FN	614325	o. r.
		32	21	G 1 1/4	16	NBR	PGV-131-B76-5/4BN	614331	o. r.
		32	21	G 1 1/4	16	EPDM	PGV-131-B76-5/4PN	614333	o. r.
		32	21	G 1 1/4	16	FKM	PGV-131-B76-5/4FN	614335	o. r.
		40	29.5	G 1 1/2	16	NBR	PGV-131-B76-6/4BN	614341	o. r.
		40	29.5	G 1 1/2	16	EPDM	PGV-131-B76-6/4PN	614343	o. r.
		40	29.5	G 1 1/2	16	FKM	PGV-131-B76-6/4FN	614345	o. r.
		50	35	G 2	16	NBR	PGV-131-B76-2BN	614351	o. r.
50	35	G 2	16	EPDM	PGV-131-B76-2PN	614353	o. r.		
50	35	G 2	16	FKM	PGV-131-B76-2FN	614354	o. r.		

Version and function: 2/2-way solenoid valve Type PGV series 100 pressure operated by own medium

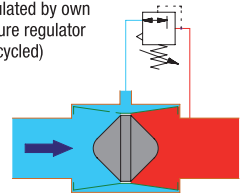
Remotely operated 2/2-way valve regulated by own medium with 2/2-way valve (negative control)



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)

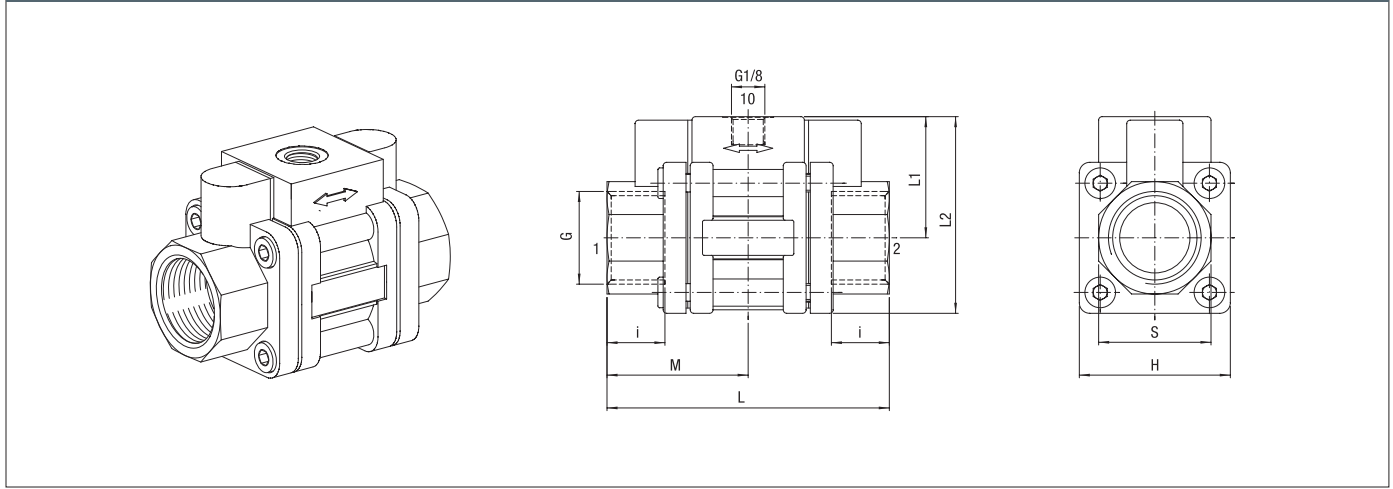


Function

Price group	53	Function "B" normally open (without control pressure)	low noise and impact-free closing, for neutral, gaseous and fluids	Brass
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Operating position	Variations	Options	
<p>Type PGV in external medium version shown, control pressure present.</p>	<p>2/2-way intermediate flange valve (both versions) Flange-side 4 through bores: Type PGV-131-.BHH...</p>	<p>normal pressure membrane, requires no differential pressure to open, however control pressure to close, it 1 bar above operating pressure Type PGV-131-B76-../.0</p>	
	<p>2/2-way flange mount valve (only external medium vers.) Flange-side or thread-side pressure inlet Type PGV-131-.BH7...</p>	<p>Membrane made of other material: CR (chloroprene) optimal for compressed air HNBR (NBR with higher nitrile content) specially for certain synthetic oils</p>	
		<p>increases resistance to corrosion and replaces stainless steel valves cost-effectively for many medium Type PGV-131Q...</p>	

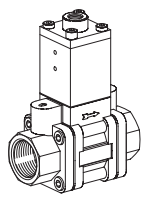
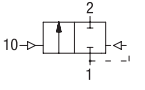
Illustration

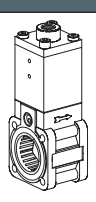
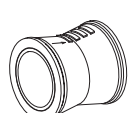

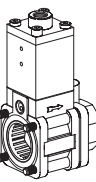
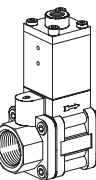
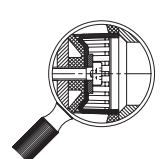


Dimensions **Mounting Accessories**

Dimensions									Mounting Accessories				
DN	G	L	I	M	L1	L2	H	S	Illustration	Suitable for valves	Type	Order number	Price
15	G 1/2	68.4	13.5	34.2	34.5	56	43	27		G 1/2 + G 3/4 DN 15 and DN 20	ZGV-10normal D2normal 52	616252	o. r.
20	G 3/4	80.4	15.5	40.2	34.5	56	43	32					
25	G 1	94	17	47	42.5	72	59	41		G 1 + G 1 1/4 DN 25 and DN 32	ZGV-10normal D32-62	616262	o. r.
32	G 1 1/4	112	19	56	42	71.5	59	50					
40	G 1 1/2	132	21	66	56	99.5	87	55					
50	G 2	160	24.5	80	56	99.5	87	70					

2/2-Way Valve - Pressure Operated - Type PGV Series 100

Price group	53	Function "A" normally closed	low noise functioning, for gaseous media, especially compressed air						Brass	
Version	Controlpressure [bar]	DN	Q _{Nn} -value air [l/min]	G	PN	Sealing material	Type (Partial solenoid valve without solenoid coil)	Order number	Price	
2/2-way valve pressure-operated by maintained compressed air Permitted operating pressure 0.2 to 16 bar  	4 - 7	15	6100	G 1/2	16	NBR	PGV-151-A96-1/2BP	614371	o. r.	
	4 - 7	20	8300	G 3/4	16	NBR	PGV-151-A96-3/4BP	614372	o. r.	
	4 - 7	25	18400	G 1	16	NBR	PGV-151-A96-1BP	614373	o. r.	
	4 - 7	32	23400	G 1 1/4	16	NBR	PGV-151-A96-5/4BP	614374	o. r.	
	4 - 7	40	32400	G 1 1/2	16	NBR	PGV-151-A96-6/4BP	614375	o. r.	
	4 - 7	50	38400	G 2	16	NBR	PGV-151-A96-2BP	614376	o. r.	

Variations		Options			
	2/2-way intermediate flange valve Flange-side 4 through bores: Type PGV-151-ALH-...		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 medium Type PGV-151Q-...
	2/2-way flange mount valve Flange-side pressure inlet Type PGV-151-AL7-...				
	2/2-way flange mount valve Thread-sided pressure inlet Type PGV-151-A9H-...		Non-return valve integrated outlet-side of the closure-unit Type PGV-151-A96-/.T Pressure difference: DN 15 to DN 32, 10 bar DN 40 to DN 50, 8 bar		

Function - Speciality

Price group	53	Function "A" normally closed	low noise functioning, for gaseous media, especially compressed air	Brass
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Operating position	Description	Function
	<p>In normal position - pre-control valve not pressurised - its seat is closed. Pressure builds up in the control chamber, which due to the larger effective membrane surface holds the membrane in "closed" position.</p> <p>In operational position - pre-control valve pressurised - its operational 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 operation.</p>	

Illustration

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

Dimensions									Mounting Accessories				
DN	G	L	I	M	L1	L2	H	S	Illustration	Suitable for valves	Type	Order number	Price
15	G 1/2	68.4	13.5	34.2	86.1	107.6	43	27		G 1/2 + G 3/4 DN 15 and DN 20	ZGV-10normal D2normal 52	616252	o. r.
20	G 3/4	80.5	15.5	40	86	107.5	43	32					
25	G 1	94	17	47	94.1	123.6	59	41					
32	G 1 1/4	112	19	56	94	123.5	59	50					
40	G 1 1/2	132	21	66	107.6	151.1	87	55					
50	G 2	160	24.5	80	107.6	151.1	87	70	G 1 + G 1 1/4 DN 25 and DN 32	ZGV-10normal D32-62	616262	o. r.	