

COMPRESSED AIR SHUTOFF VALVE

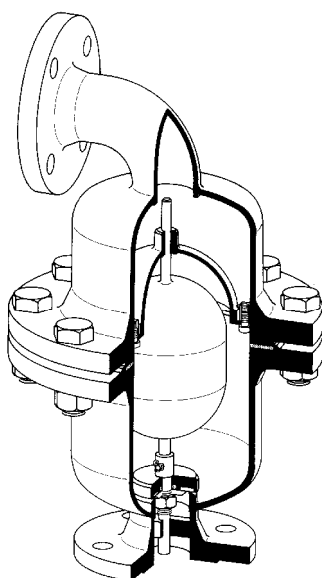


WIR REGELN DAS SCHÖN.

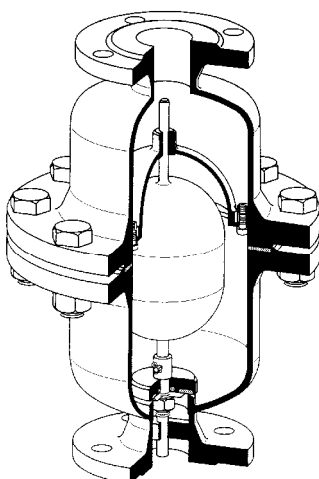
for pipelines
straight and angled versions

Type 80
82

Type 80



Type 82



TECHNICAL DATA

MEDIUM	water
NOMINAL PRESSURE	PN 10/16
CONNECTION	DN 15 - 200 *
WORKING PRESSURE	up to 8 bar
TEMPERATURE	up to 80 °C
KVS-VALUE	2 - 510 m ³ /h
FLOW VELOCITY	max. 1,5 m/s

* DN 250 - 400 on request

DESCRIPTION

The compressed air shutoff valve is a self-contained shut-off valve designed for water installations equipped with pressure reservoir. The valve prevents compressed air escaping from the pressure reservoir into the pipeline network in case of pump failure caused by lack of water, electric power cut, blockage etc. and effectively prevents dangerous water hammer and loss of air pressure.

The float of the compressed air shutoff valve keeps the valve open in both flow directions as long as the water level in the pressure reservoir remains at or above the bottom valve connection. As soon as air escapes from the pressure reservoir into the shutoff valve, the valve will shut the pipeline off preventing air entering the pipeline. When the pump resumes its delivery the shutoff valve opens again and allows the water to flow into the pressure reservoir. As the water level increases the shutoff valve will not open unless the pressure inside and downstream of the valve is approximately zero.

Mankenberg reserves the right, to alter or improve the designs or specifications of the products described herein without notice.

Special designs on request.

KVS-VALUES [m ³ /h]				
nominal diameter DN				
15	20, 25	32, 40	50	65
2	5,5	12	25	40

KVS-VALUES [m ³ /h]				
nominal diameter DN				
80	100	125	150	200
68	105	180	270	510

COMPRESSED AIR SHUTOFF VALVE

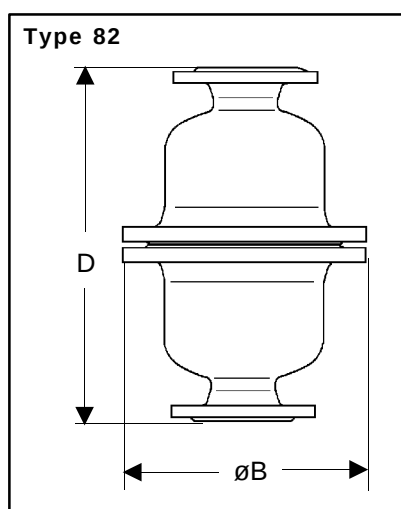
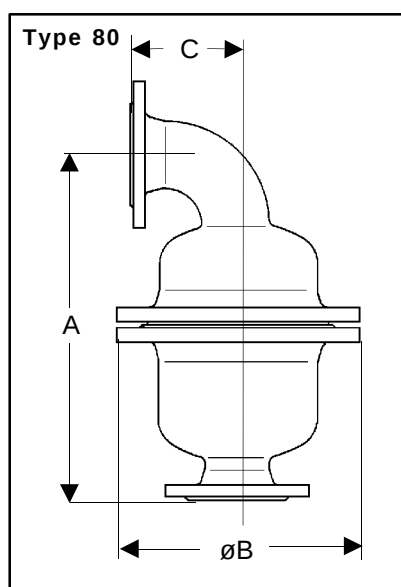
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MATERIALS		
TYPE	80	82
TEMPERATURE	80°C	
BODY	steel / CrNiMo-steel	
BODY GASKET	C4400	
INNER PARTS	Cr- / CrNi-steel / CrNiMo-steel	
FLOAT	CrNi-steel / CrNiMo-steel	
VALVE SEAL	NBR	



DIMENSIONS [mm] TYPE 80, 82 PN 10								
nominal diameter DN								
size	15	20	25	32	40	50	65	80
A	300	300	300	360	370	390	500	540
B	285	285	285	285	285	285	340	340
C	60	65	75	85	100	120	130	165
D	320	320	320	355	360	360	460	475

DIMENSIONS [mm] TYPE 80, 82 PN 10								
nominal diameter DN								
size	100	125	150	200	250	300	350	400
A	680	720	875	1250	on request			
B	395	395	445	445				
C	205	245	285	310				
D	580	580	700	1100				

DIMENSIONS [mm] TYPE 80, 82 PN 16								
nominal diameter DN								
size	15	20	25	32	40	50	65	80
A	300	300	300	360	370	390	500	540
B	285	285	285	285	285	285	340	340
C	60	65	75	85	100	120	130	165
D	320	320	320	355	360	360	460	475

DIMENSIONS [mm] TYP 80, 82 PN 16								
nominal diameter DN								
size	100	125	150	200	250	300	350	400
A	680	720	875	900	on request			
B	405	405	460	460				
C	205	245	285	310				
D	580	580	700	800				

WEIGHTS [kg] TYPE 80, 82								
nominal diameter DN								
	15	20	25	32	40	50	65	80
PN 10	26	26,5	27	29,5	30	31	56	58
PN 16	26	26,5	27	29,5	30	31	57	59

WEIGHTS [kg] TYPE 80, 82								
nominal diameter DN								
	100	125	150	200	250	300	350	400
PN 10	103	108	137	153	on request			
PN 16	106	112	148	164				

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