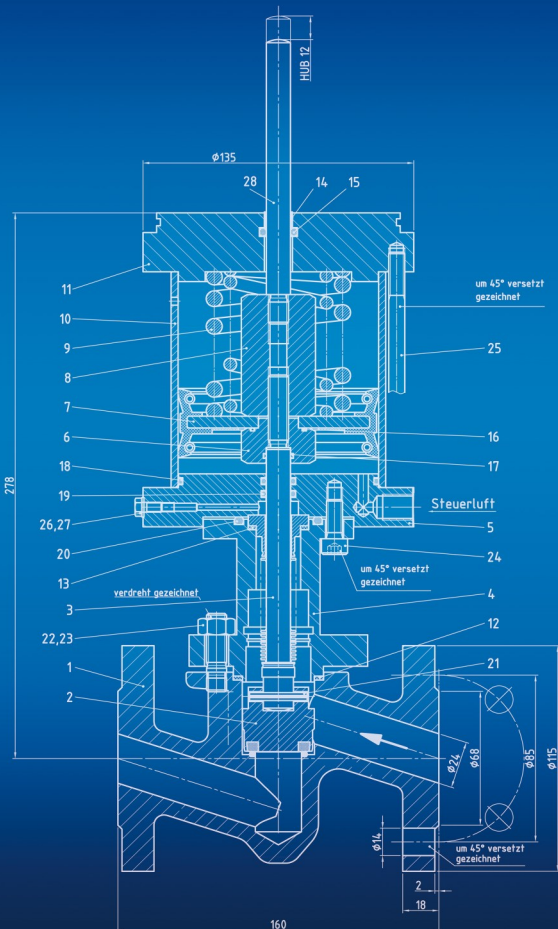




ALBRECHT-AUTOMATIK GMBH

Safety quick-closing valves for gas and hydrogen

Installation example: Quick-closing ASVG valve with vent valve type: ZE40 (forced-action) with 3/2-way solenoid valves and micro limit switches for "Open" and "Closed". ASVG valve version with electro-pneumatic positioner. The safety quick-closing valve is available as a small poppet valve, impressing with its diverse properties. It is designed to prevent hazardous operating conditions and protect the plant. In the event of an auxiliary power failure, the valves close by spring force within **1 second** and in the control function within **5 seconds**.



Production series

ASVG

KVAZ

FDS-VE

GSV

Nominal diameters

DN 15, 20, 25

Inch 3/8", 3/4", 1"

DN 32, 40, 50

Inch 1 1/4", 1 1/2", 2"

DN 65, 200, 250, 300

Inch 2 1/2", 8", 10", 12"

DN 80, 100, 125, 150

Inch 3", 4", 5", 6"

vent valve ZE40 G 3/4"

vent valve ASVG/O DN 15, 20, 25

Inch 3/8", 3/4", 1"

vent valve KVAZ/O DN 32, 40, 50

Inch 1 1/4", 1 1/2", 2"

vent valve GSV/C/O DN 80 Other sizes are available on request

Inch 3" Other sizes are available on request

Accessories

Leak-tightness control device DN 15, 20, 25

Dirt trap

Nominal diameters

DN 15 to 300

Solenoid valves:

2/2-way, 3/2-way, 5/2-way

Bürkert

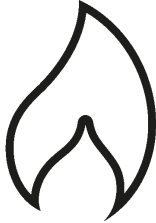
Norgren/Buschjost

Asco Numatics

Other manufacturers are available on request



ALBRECHT-AUTOMATIK GMBH



Areas of use:

Combustible gases according to G260 1st, 2nd and 3rd

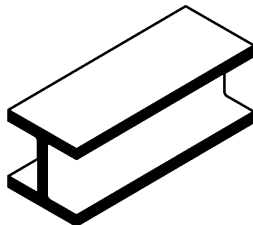


Operating temperature / Ambient temperature:

-20 °C to +120 °C.

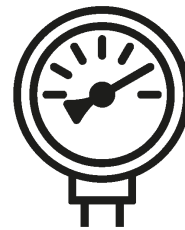
-20 °C to +80 °C.

Other temperatures on request.



Housing material:

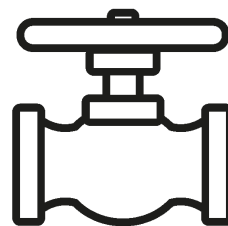
- DIN GP240GH (1.0619); P250GH (1.0460);
G-X6CrNiMo18 10 (1.4408);
X6CrNiMoTi17-12-2 (1.4571)
- ANSI A105, A216 WCB
Special materials
Material certification according to EN 10204



Operating pressure:

0 to 5 bar according to EN 161

0 to 16 bar according to DIN 3394
Part 1

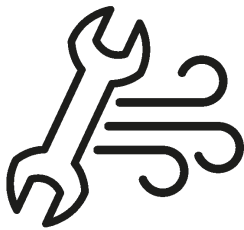


Valve housing:

DIN and ANSI flange connections and
welded ends.



ALBRECHT-AUTOMATIK GMBH



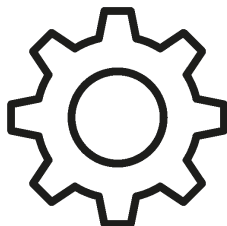
Control medium:

Filtered and anhydrous compressed air
3 to 10 bar.



Limit switch:

In accordance with the customer's requirements
(mechanical or initiator)
Switching and detection unit dimensions dependent on
design



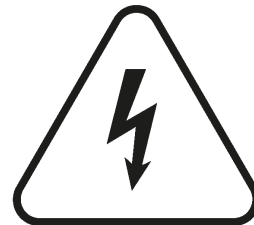
Non-standard models:

Larger nominal diameters and higher pressures are
available on request.



Valve spindle material:

- with bellows: X5CrNi1810 (1.4301) / X6CrNiMoTi17-12-2 (1.4571) and special materials
- with rod sealing system: X5CrNi1810 (1.4301)



Control voltage:

24 VDC; 230 VAC other voltages are available on
request from DN100 with upstream quick-vent
valve.



Degree of protection:

IP65 Standard
ATEX Directive 2014/34/EU
Other protection classes are available
on request.

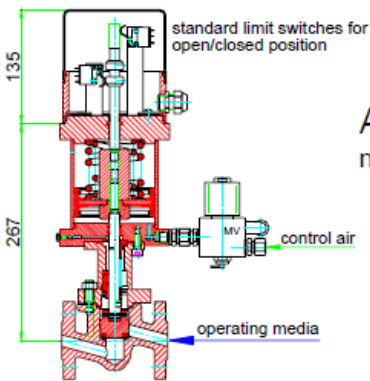


ALBRECHT-AUTOMATIK GMBH

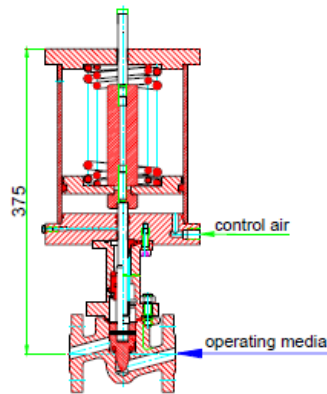
Installation example:

ASV with 3/2-way solenoid valve and
micro limit switches for "Open"
and "Closed"

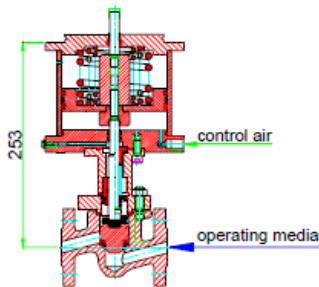
Valve system type ASV



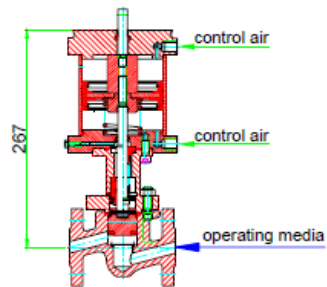
ASV-N
normal design



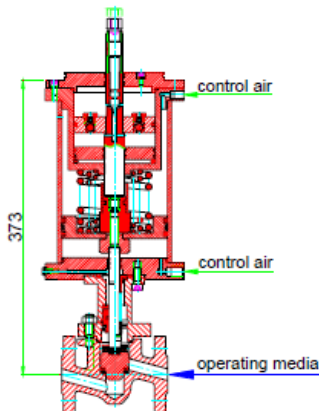
ASV-R
design as control valve



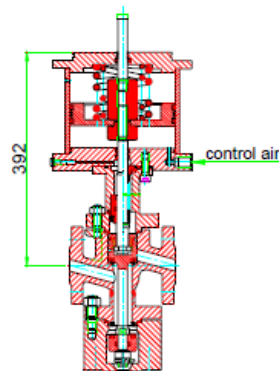
ASV-P
with pneumatic brake,
slowly opening
adjustable 1-20 sec.



ASV-O
normally open



ASV-B
with hydraulic brake
slowly opening
adjustable 1-30 sec.

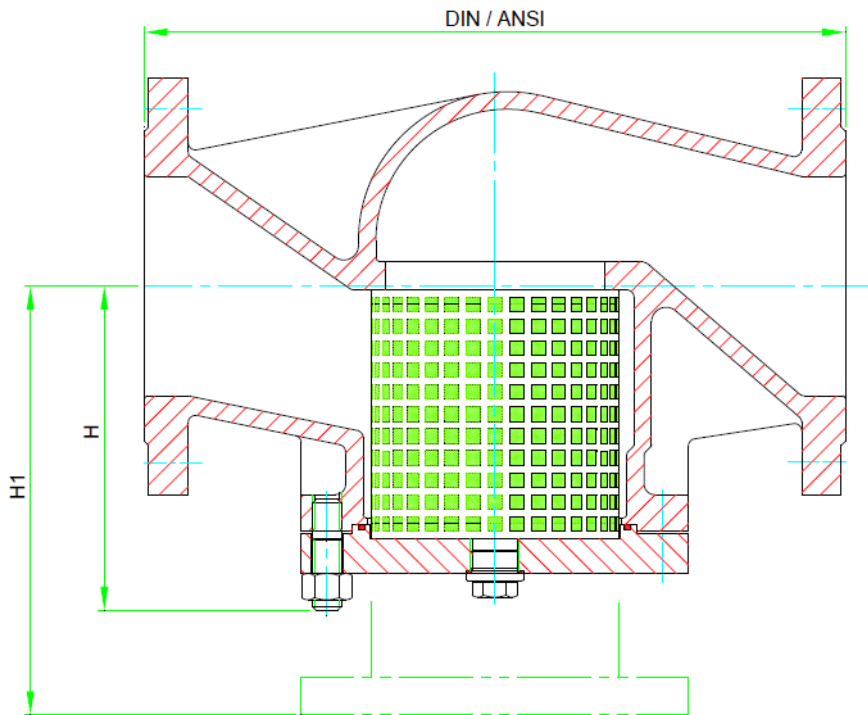


ASV-D
three way design
as circulation valve

DN	Overall length in mm			Weight in kg
	DIN PN10-40	ANSI 150lbs	ANSI 300lbs	DIN PN10-40
15	130	108	152	12
20	150	117	178	13
25	160	127	203	14
Weight data for variant ASV without attachments				



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Dirt trap

Installation example: DN150

Installation example:

Dirt trap Straight seat
with replaceable screen basket.
With drain screw from DN65 onwards.

Note: A version with differential pressure display (visual or with electrical contact) is available to monitor the level of contamination.

Straight seat with replaceable screen basket.

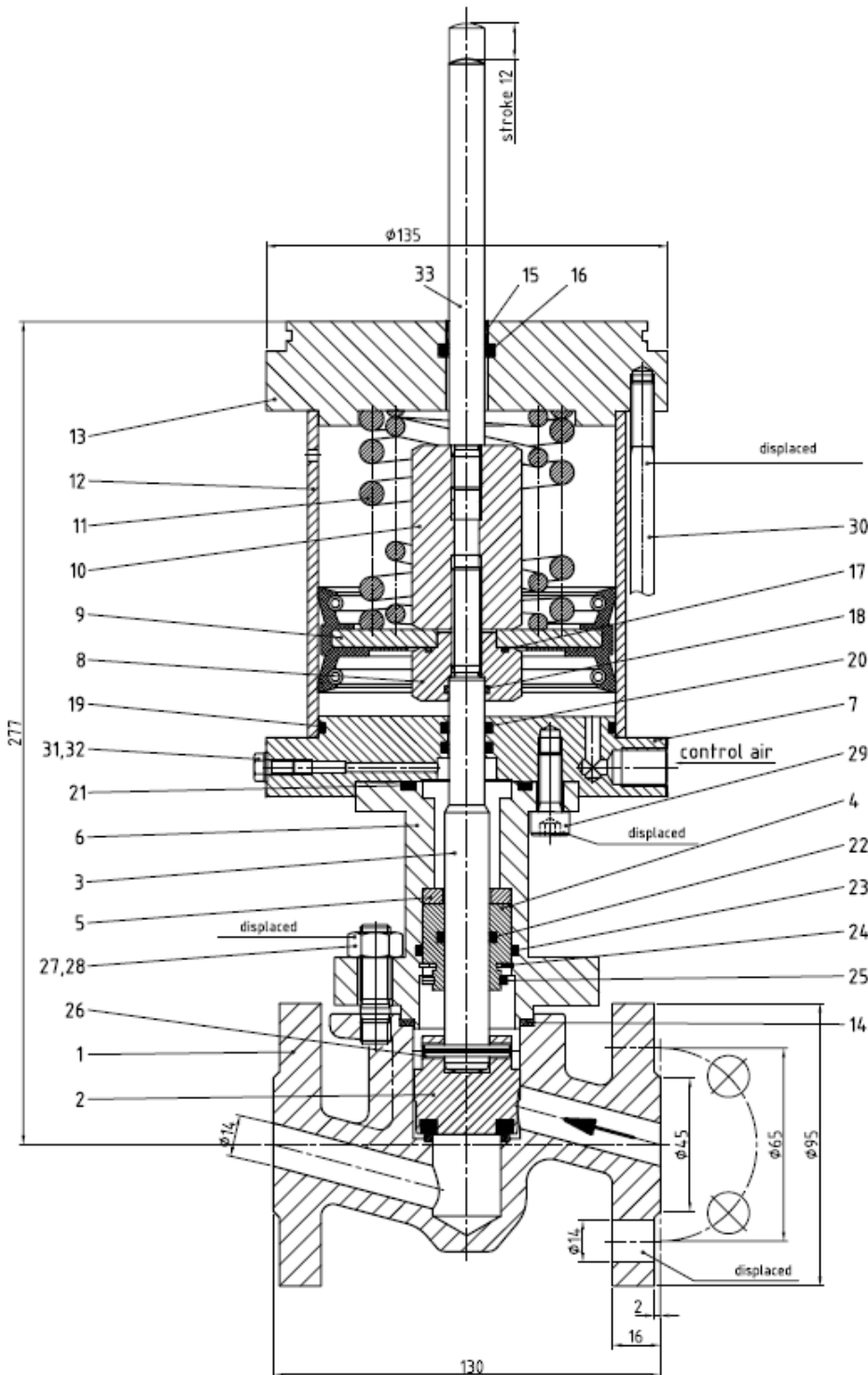
	DN	15	20	25	40	50	65	80	100	125	150	200	250	300
	H	70	70	80	85	95	110	130	155	165	215	285	325	365
Dimension	H1	110	110	130	145	155	185	225	255	290	375	500	595	665
Overall lengths	DIN PN16	130	150	160	200	230	290	310	350	400	480	600	730	850
	ANSI 150lbs	108	117	127	165	203	216	241	292		406	495	622	
	ANSI300IBS	152	178	203	229	267	292	318	356		444	559	622	
Weight in kg	DIN PN16	3,5	4	5	8	11	16	21	31	49	69	132	198	278



ALBRECHT-AUTOMATIK GMBH

ASVG-N

61A10I01



pos. description

- | | |
|----|-------------------------|
| 1 | casing |
| 2 | valve cone |
| 3 | stem |
| 4 | packing |
| 5 | pressure part |
| 6 | center part |
| 7 | bottom lid |
| 8 | base portion |
| 9 | control piston |
| 10 | piston nut |
| 11 | set of pressure springs |
| 12 | control tube |
| 13 | top lid |
| 14 | flat seal |
| 15 | sliding bearing |
| 16 | o-ring |
| 17 | o-ring |
| 18 | o-ring |
| 19 | o-ring |
| 20 | o-ring |
| 21 | o-ring |
| 22 | o-ring |
| 23 | o-ring |
| 24 | safety ring |
| 25 | safety ring |
| 26 | tension pin |
| 27 | stud bolt |
| 28 | hexagon nut |
| 29 | cylinder head screw |
| 30 | hexagon screw |
| 31 | hexagon screw |
| 32 | flat seal |
| 33 | adjust rod |