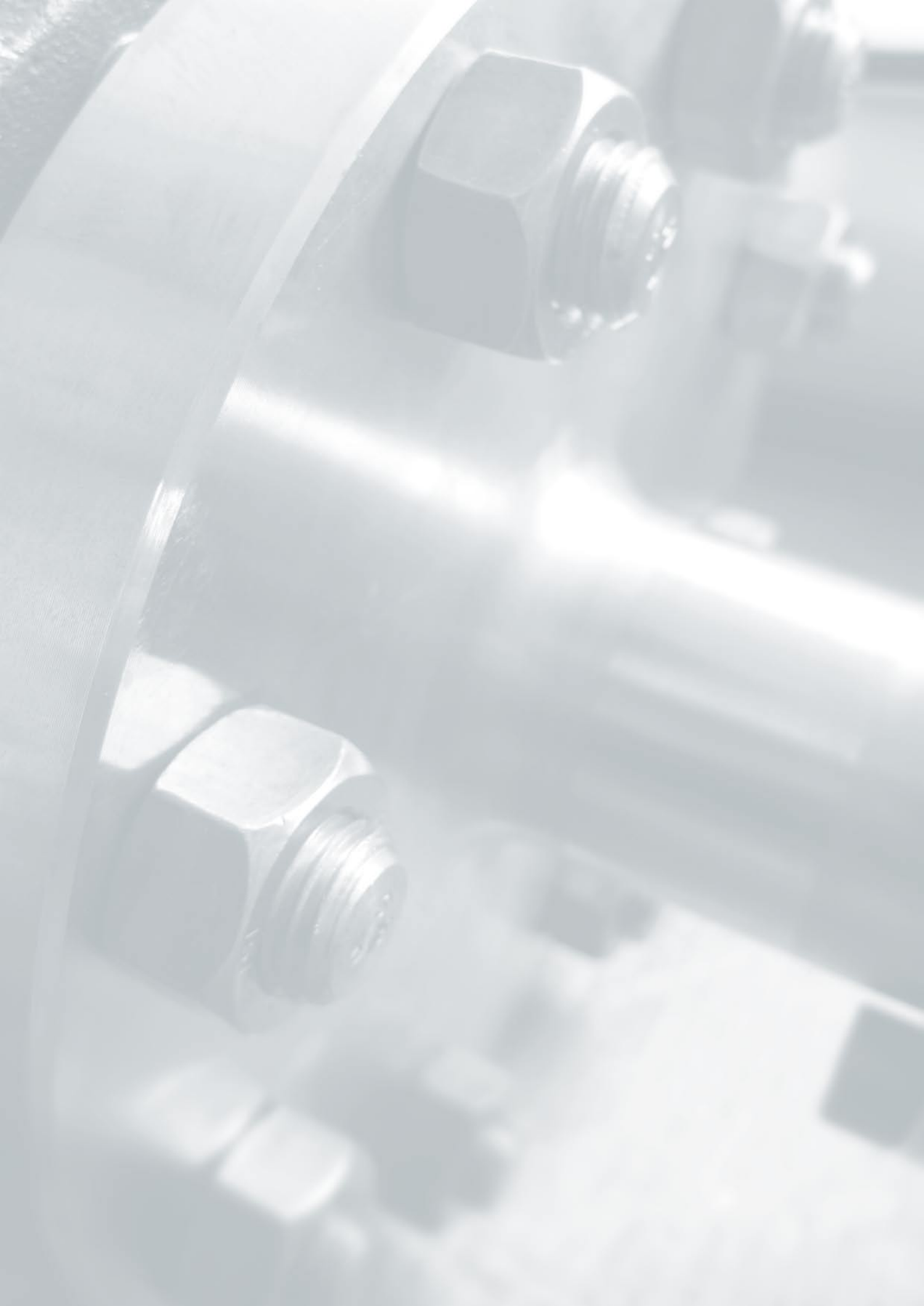
ALBRECHT-AUTOMATIK GMBH

DAS FERTIGUNGSPROGRAMM
THE PRODUCTION RANGE



Albrecht-Automatik
Production Program

Albrecht-Automatik valves are manufactured according to the Guidelines of the European Parliament.

The design, dimensions, weights and materials of the described valves correspond to the latest technology. Changes during the course of further development as well as use of equivalent or higher-value materials are reserved. We do not accept any liability for possible typing or translation errors.

Our certifications are available at
www.albrecht-automatik.de

TABLE OF CONTENTS

The Albrecht-Automatik production program distinguishes itself through its range of individual valves for different use areas. Signal features of the program are in-house design of valves in compact design for power stations and industrial plants. Albrecht-Automatik is the partner for innovative and reliable safety shut-off equipment.

An overview of our production program:

- **Electro-pneumatically actuated safety quick-closing valves**
- **Electro-hydraulically actuated safety quick-closing valves**
- **Own-medium controlled safety quick-closing valves**
- **Safety quick-closing valves for gas turbines**
- **Control valves for oil- and gas firing plants**
- **Dirt traps**
- **Hand valves – special design for oil and gas**
- **SAV valves for glycol in plants for gas drying**
- **Special valves for extreme operating conditions**
- **Elektro-pneumatic burner process device for oil burner lances**
- **Elektro-pneumatic burner process device for ignition burner lances**
- **Elektro-pneumatic burner process device for drum gate valve**
- **Complete valve stations for oil and gas firing plants**

QUALITY MANAGEMENT AND ENVIRONMENT PROTECTION

We attach a lot of importance to safety and quality

The constantly high quality of our products is guaranteed through a certified quality management system as well as through a large number of certifications:

- Quality management system according to ISO 9001
- CE marking
- Approval as a welding company according to ISO 3834, AD 2000
- Trained welding staff according to DIN EN 287-1
- Process test according to EN 288-3, AD fact sheet HP2/1, TRD 201, TRR 100
- Specialized company according to §19l WHG
- Certificate for transfer of material marking according to DIN EN 764-5, AD 2000 HP0

Our valves are type approved according to

- DIN EN ISO 23553-1 and DIN EN 12514-2 Safety shut-off equipment for fired plants with liquid fuel
- EN 161 Automatic shut-off devices for gas burners and gas devices (DVGW)
- ATEX according to Directive 2014/34/EU
- Values according to SIL Class 3 based on IEC 61508 and IEC 61511
- Pressure, tightness and function test according to EN10204-3.1

Very high quality standards – for each detail

Before delivery, each valve is subjected to an internal and external leakage check according to DIN 3230, a pressure check according to DIN EN 13480-5 Chapter 9.3.3 and a function check on our test bench. The tests are conducted by our trained staff. Valve stations are subjected to a leakage check and pressure check, if the customer makes such a request.

Material products for parts under pressure according to EN10204-3.1 are standard.

Additionally, tests according to your wishes or by external acceptance test performing companies can be conducted at our company such as e.g.:

- TÜV
- Bureau Veritas (BV)
- American Bureau of Shipping (ABS)
- Lloyds Register (LR)
- Det Norske Veritas / Germanic Lloyd (DNV- GL)
- EAC TR Russia

Quality check

To be able to guarantee uniform quality of the valves, a flow-pattern or KV value can be determined on our test bench according to DIN EN 60534-2-3.

Guaranteed availability

Valves produced by Albrecht-Automatik that are in use for decades are also repaired and retro-fitted with spare parts. This results in reduced material expenditure as compared to manufacturing, which in turn is environment-friendly.

Naturally active

We are fully committed to environment protection. We recycle consumed thinner in our distillation plants. This enables resource conservation and reduces solvent waste substantially.

Paints and varnishes as well as consumed oil and metal are picked up by certified companies and disposed properly or recycled.

Sicherheits-Schnellschluss-Ventile für Gas/H_2

Safety quick shut-off valves for gas/H_2

SAFETY-
QUICK SHUT-OFF VALVES

FOR GAS/H_2

Safety devices with automatic shut-off function

Production series	Nominal diameter
ASVG	DN 15, 20, 25
KVAZ	DN 40, 50
FDS-VE	DN 65, 200, 250, 300
GSV	DN 80, 100, 125, 150
GSV-GASSKO	DN 100, 125, 150
GASSKO	DN 200
Venting ZE 40	G 3/4
Venting ASVG/O	DN 15, 20, 25
Venting KVAZ/O	DN 50

Accessories	Nominal diameter
Tightness control device	DN 15, 20, 25
Dirt trap	DN 15 to 300

Corresponding to the specifications of the Pressure Equipment Directive 97/23/EG, AD 2000 datasheets, DIN EN 161 Valve Group 2 Valve Class A (DVGW) and DIN (ASME) standards.

General

The function and working of the safety quick-closing valves is conceived such that dangerous operating conditions are avoided and the system is protected.

If the auxiliary power source fails, the safety quick shut-off valves are closed through spring force. Closing time is less than 1 second / within 5 seconds during control function.

Use area:	Combustible gases according to G260 1st, 2nd and 3rd Gas Family, H_2 other gases on request
Operating pressure:	0 to 5 bar according to EN 161 0 to 16 bar according to DIN 3394 Part 1
Operating temperature:	-20°C to +120°C
Ambient temperature:	-20°C to +80°C
Valve casing:	Flange connections and welding ends according to DIN and ANSI
Casing 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 certificates according to EN 10204
Valve stem material	
- with bellows:	X5CrNi1810 (1.4301) / X6CrNiMoTi17-12-2 (1.4571) and special materials
- with rod-sealing system:	X5CrNi1810 (1.4301)
Control medium:	Compressed air min. 3 / max. 10 bar
Control voltage:	24 VDC; 230 VAC, other voltages on request from DN100 onwards with serially connected quick-venting valve
Protection type:	IP65 Standard
Limit switch:	Design according to customer wish (mechanical or contact-less) Dimensions of the limit position indicator depending on design
Special design:	Other nominal diameter and higher pressures on request

Note:

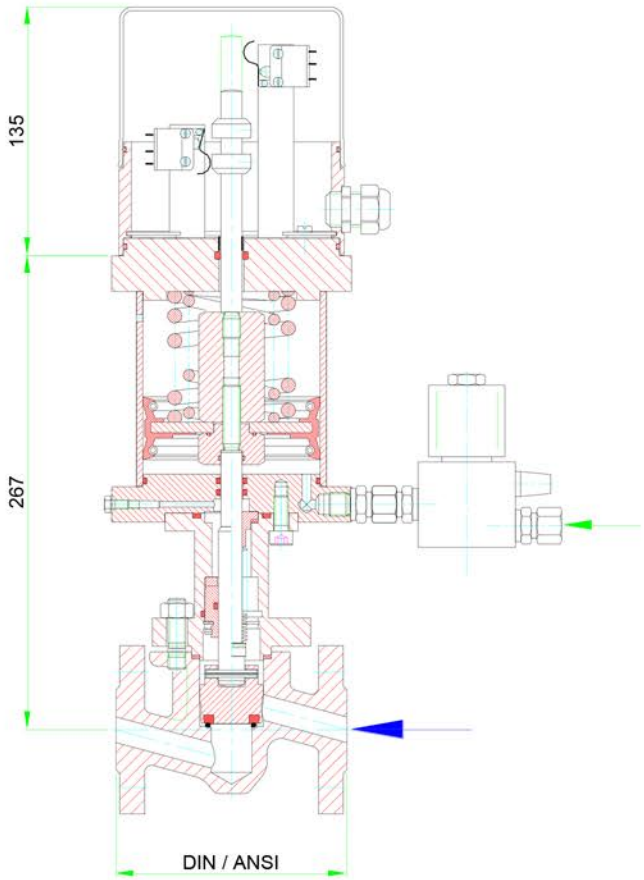
Corresponding to DIN EN161, a dirt trap which prevents the penetration of bigger foreign bodies must be installed before each shut-off device.

At the steam boiler firings, shut-off equipment must be provided in the form of two independent and self-closing quick shut-off valves as double-actuator, according to TRD.
These valve combinations are normally designed with an intermediate flange (production length 47mm) including a G1/2 test connection. Further connection options to intermediate flange on request.

ASVG Production series

The design of the safety quick shut-off valve as poppet valve in small production size can be delivered in different variations having different properties.

	DIN	ANSI
Nominal diameter:	DN15, 20, 25	DN½", ¾", 1"
Nominal pressure:	PN10-40	PN150 lbs, 300 lbs
Casing material:	P250GH (1.0460)	A105, A216 WCB
Permissible operating pressure:	max. 16 bar	
Stem sealing:	Stainless steel bellows or rod sealing system	
Variants:	- ASVG/N Standard design - ASVG/P With pneumatically opening retardation - ASVG/Z Opening in 2 phases - ASVG/R With control function	



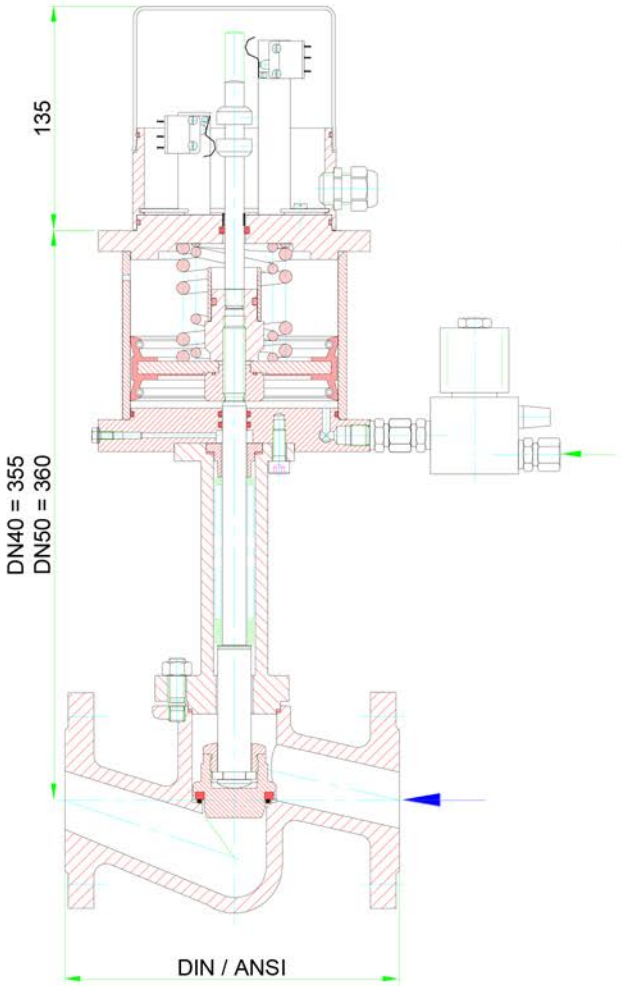
	Length, face-to-face (mm)			*Weight (kg)*
DN	*DIN PN10-40*	*ANSI 150lbs*	*ANSI 300lbs*	*DIN PN10-40*
15	*130*	*108*	*152*	*12*
20	*150*	*117*	*178*	*13*
25	*160*	*127*	*203*	*14*
Weight figures for the ASVG/N variant without attachments				

Design example:
ASVG/N with 3/2-way solenoid valve
and micro limit switches
for "Open" and "Closed" position

KVAZ Production series

The design of the safety quick shut-off valve as poppet valve of small production size can be delivered in different variations for different use areas.

	DIN	ANSI
Nominal diameter:	DN40, 50	DN1½", 2“
Nominal pressure:	PN10-40	PN150 lbs, 300 lbs
Casing material:	P250GH (1.0460)	A216 WCB
Permissible operating pressure:	max. 16 bar	
Stem sealing:	Stainless steel bellows	
Variants:	- KVAZ Standard design - KVAZ/S With hydraulic brake for opening retardation	
	Further Nominal diameter / variants without type check or with individual acceptance	



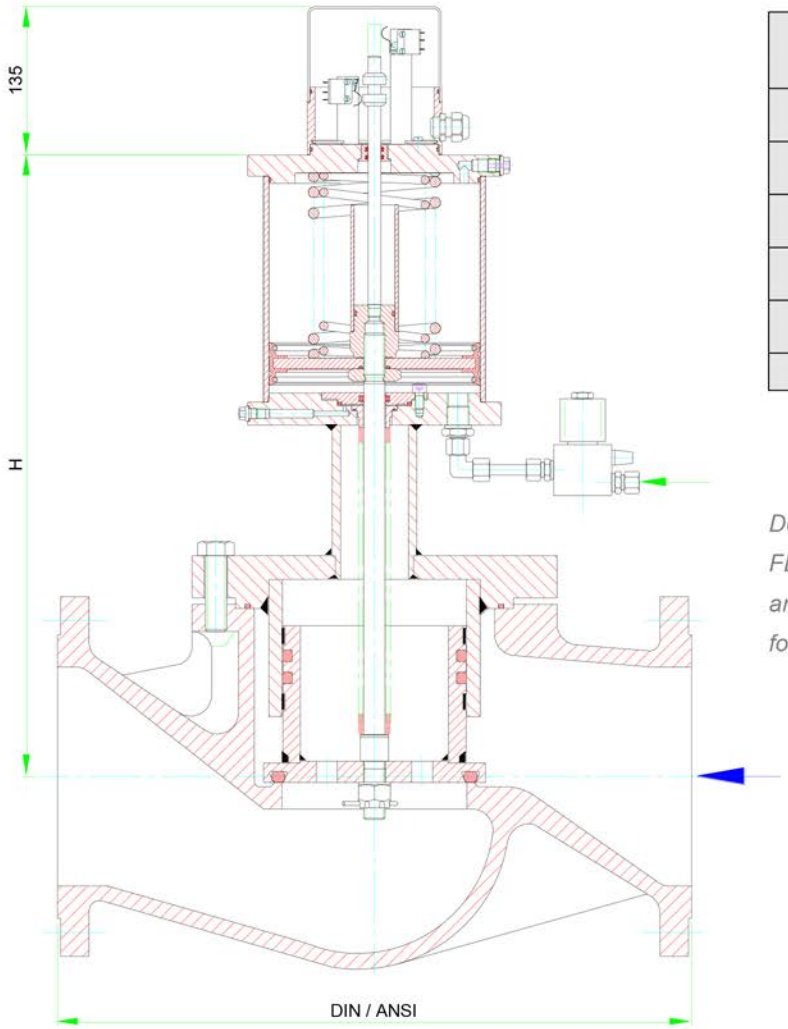
	Length, face-to-face (mm)			*Weight (kg)*
DN	*DIN PN10-40*	*ANSI 150lbs*	*ANSI 300lbs*	*DIN PN10-40*
40	*200*	*165*	*229*	*27*
50	*230*	*203*	*267*	*31*
Weight figures for KVAZ variant without attachments				

Design example:
KVAZ with 3/2-way solenoid valve
and micro limit switches
for “Open” and “Closed” position

FDS Production series

Safety quick shut-off valve as relieved valve execution in compact model.

	DIN	ANSI
Nominal diameter:	DN65, 200, 250, 300	DN2½", 8", 10“
Nominal pressure:	PN10-40	PN150 lbs, 300 lbs
Casing material:	GP240GH (1.0619)	A216 WCB
Permissible operating pressure:	max. 16 bar	
Stem sealing:	Stainless steel bellows	
Variants:	- FDS/VE Standard design - FDS/VE-RV Design as control quick shut-off valve with regulation cone (DN65 and DN200)	



	Height (mm)	*Length, face-to-face (mm)*			*Weight (kg)*
DN	*H*	*DIN*	*ANSI 150lbs*	*ANSI 300lbs*	*DIN PN16*
65	*330*	*290*	*216*	*292*	*29*
200	*610*	*600*	*495*	*559*	*210*
250	*650*	*730*	*622*	*622*	*295*
300	*675*	*850*	-	-	*450*
Weight figures for the FDS/VE variant without attachments					

Design example:
FDS/VE with 3/2-way solenoid valve
and micro limit switches
for “Open” and “Closed” position

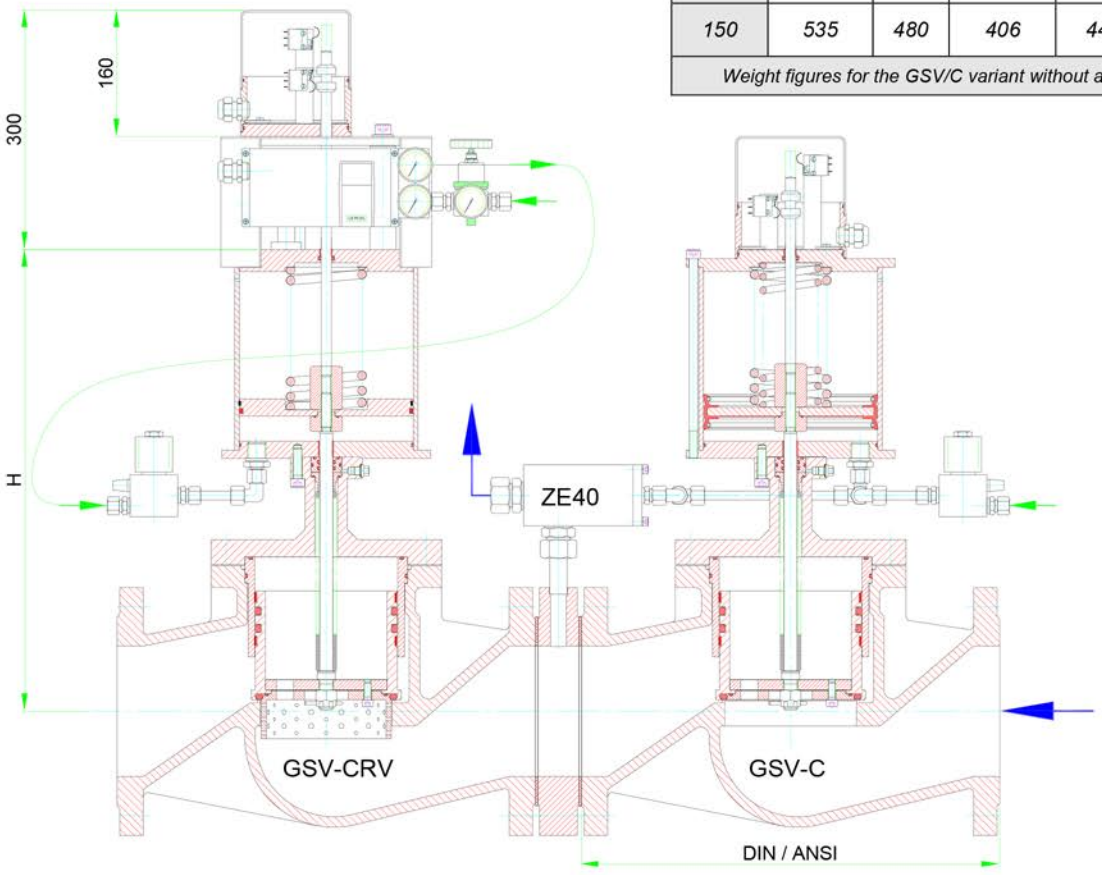
GSV Production series

Safety quick shut-off valve as relieved valve execution in compact model.

	DIN	ANSI
Nominal diameter:	DN80, 100, 125, 150	DN3", 4“, 6“
Nominal pressure:	PN10-40	PN150 lbs, 300 lbs
Casing material:	GP240GH (1.0619)	A216 WCB
Permissible operating pressure:	max. 16 bar	
Stem sealing:	Stainless steel bellows	
Variants:	- GSV-C Standard design - GSV-CRV Design as control quick shut-off valve with regulation cone	

Design example:
Valve combination GSV-C/CRV with venting valve type: ZE40 (forced-actuated) with 3/2-way solenoid valves and micro limit switches for “Open” and “Closed” position. Valve variant GSV-CRV with electro-pneumatic position controller

	Height (mm)	*Length, face-to-face (mm)*			*Weight (kg)*
DN	*H*	*DIN*	*ANSI 150lbs*	*ANSI 300lbs*	*DIN PN16*
80	*433*	*310*	*241*	*292*	*37*
100	*443*	*350*	*292*	*559*	*48*
125	*494*	*400*	-	-	*81*
150	*535*	*480*	*406*	*444*	*105*
Weight figures for the GSV/C variant without attachments					



GSV-GASSKO / GASSKO Production series

The compact unit of the GSV-GASSKO production series is a further development of traditional gas valves. The size advantage of this production series saves up to 50% space.

Note: Other designs are available in the Compact Systems rubric

Nominal diameter: DN100, 125, 150, 200

Nominal pressure: PN10-25

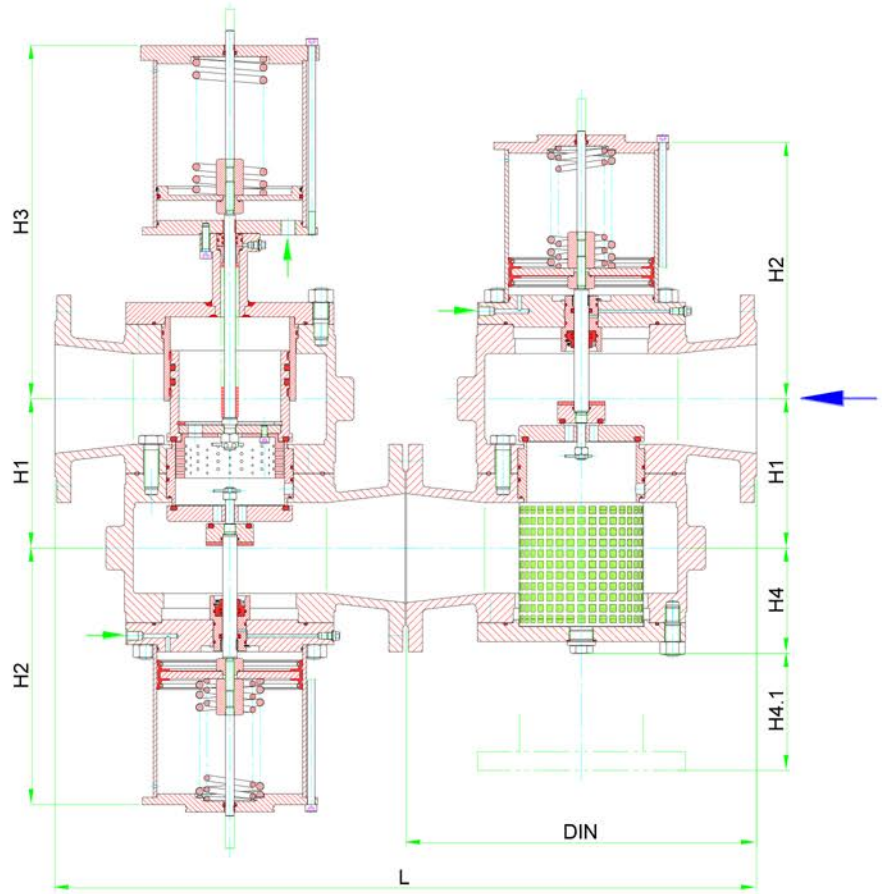
Casing material: GP240GH (1.0619)

Permissible operating pressure: max. 16 bar

Spindle sealing: Rod sealing system and stainless steel bellows

	Length, face-to-face (mm)		*Height (mm)*					*Weight (kg)*
DN	*DIN*	*L*	*H1*	*H2*	*H3*	*H4*	*H4.1*	*DIN PN16*
100	*350*	*702*	*175*	*305*	*395*	*120*	*165*	*84*
125	*400*	*802*	*200*	*320*	*430*	*135*	*185*	*130*
150	*480*	*962*	*205*	*343*	*485*	*128*	*180*	*152*
200	*600*	*1202*	*280*	*420*	*-*	*186*	*260*	*230*
Weight figures for the B+SF variant								

Design example in flow direction:
This unit connects a manual quick shut-off valve (B), a dirt trap (SF) and a safety shut-off combination (B/CRV).



Venting production series

In the idle position, venting valves are normally opened through spring force. They are closed by impacting control air with a separate solenoid valve or by force via the solenoid valve of the first quick shut-off valve of a valve combination.

Type ZE 40 is a very compact and robust valve which is installed as venting valve between two automatic shut-off valves.

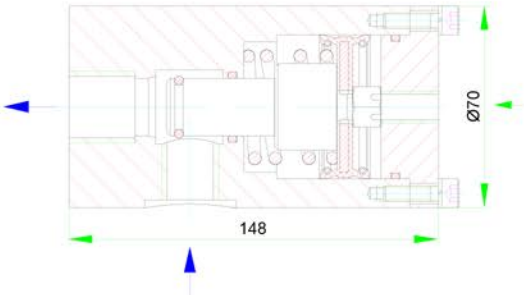
Note: Type ZE is not suitable for line venting.

Nominal diameter:	G ¾“ inner threads – standard
Nominal pressure:	PN40
Connections:	Inner threads, flange connections as well as weld-on ends DN15, 20 and 25 are possible
Sealing:	O-ring sealing
Casing material:	Stainless steel X5CrNi18 10 (1.4301)
Permissible operating pressure:	16 bar
Permissible temperatures:	max. 100°C
Weight:	3,5 kg

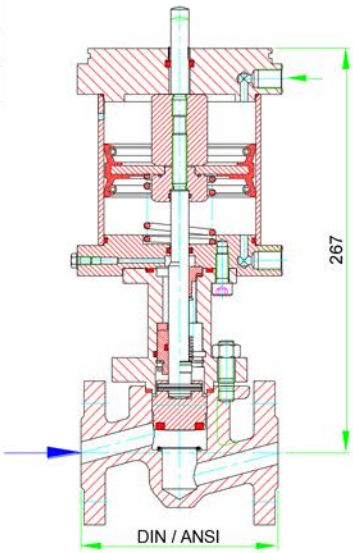
The ASVG/O and KVAZ/O types are venting valves adapted to the corresponding production series

Nominal sizes:	ASVG/O	DN15, 20, 25
	KVAZ/O	DN50

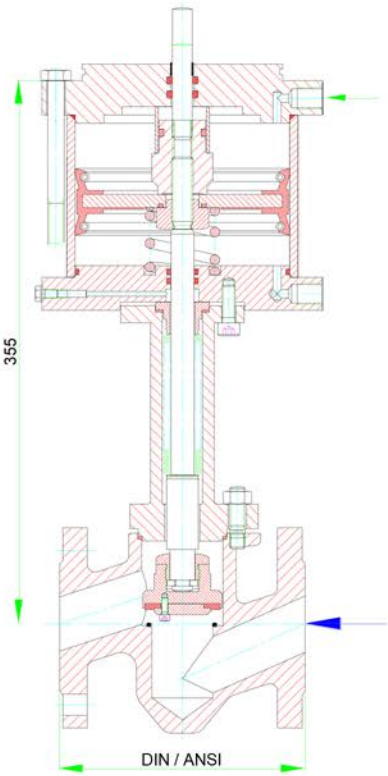
	Length, face-to-face (mm) ASVG and KVAZ			*Weight (kg)*
DN	*DIN*	*ANSI 150lbs*	*ANSI 300lbs*	*DIN PN16*
15	*130*	*108*	*152*	*17*
20	*150*	*117*	*178*	*18*
25	*160*	*127*	*203*	*19*
50	*230*	*203*	*267*	*31*



ZE 40



ASVG/O



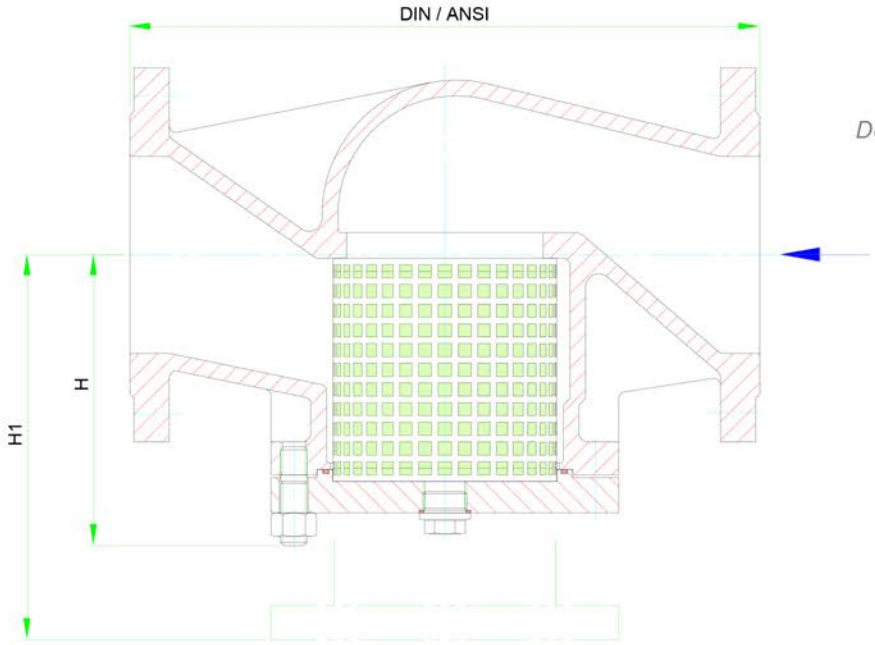
KVAZ/O

Dirt trap accessory

Straight-type dirt trap with replaceable filter basket.
From DN65 onwards with emptying-screw.

	DIN	ANSI
Nominal diameter:	DN15 to 300	DN½" to 10"
Nominal pressure:	PN10-40	PN150lbs, 300 lbs
Casing material:	up to DN50 P250GH (1.0460) from DN65 GP240GH (1.0619)	A105, A216 WCB A216 WCB
Fine-meshed sieve material:	X 5 CrNi Mo 17 22 2 (1.4401)	
Supporting basket material::	X5CrNi1810 (1.4301)	
Permissible operating pressure:	max. 16 bar	
Sieve mesh width:	0.5 – 1.0 mm	

Note: A model with differential pressure display can be delivered for monitoring the degree of pollution (optical or with electrical contact).



Design example: DN150

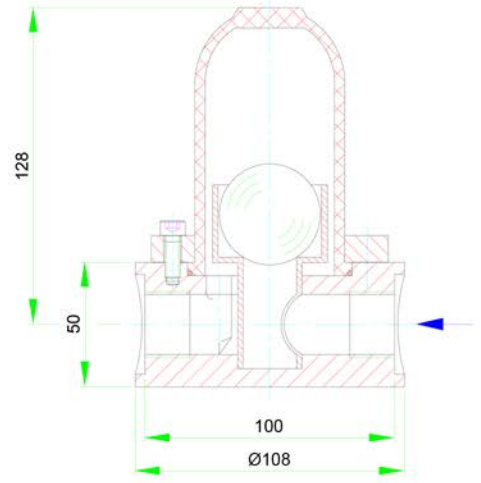
	DN	15	20	25	40	50	65	80	100	125	150	200	250	300
Height (mm)	H	70	70	80	85	95	110	130	155	165	215	285	325	365
Removal height (mm)	H1	110	110	130	145	155	185	225	255	290	375	500	595	665
Length, face-to-face (mm)	DIN PN16	130	150	160	200	230	290	310	350	400	480	600	730	850
	ANSI 150lbs	108	117	127	165	203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

Tightness-control accessory

The tightness-control-device DKG (floating ball principle) supports the optical checking of the shut-off equipment sealing.

If there is leakage in the first quick shut-off valve, the operating medium flows through the tightness-control-device and lifts the fully relieved floated element (indicator). The medium is derived safely on the outlet side.

Nominal diameter:	G1/2“, G3/4“, G1“ Inner threads - standard
Nominal pressure:	PN10-16
Connections:	Inner threads, flange connections as well as weld-on ends according to DN15, 20 and 25 are possible
Casing material:	S235JR+AR (1.0110), stainless steel X5CrNi18 10 (1.4301)
Permissible operating pressure:	10 bar
Permissible temperatures:	Medium: -10°C bis +60°C Ambient: -15°C bis +60°C
Weight:	4 kg
	Other variants on request



Use examples

References for use in valve stations

Valve Station DN100
for a double shaft furnace in the limestone industry

with volume measurement, control and automatic leakage check in insulated housing with heating

- Manual operated quick shut-off valve and dirt trap GSV-GASSKO-B/HV-SF
- N2 flushing connection
- Volume measuring
- Outlet of ignition gas line with double shut-off opening ASVG/N-2 and venting ZE 40
- Splitting into two burners with venting
- In each case with a separate quick shut-off valve combination GSV-C/CRV and venting ZE 40, second quick shut-off valve as control valve
- Automatic leakage check with filling valve ASVG/N and pressure switch MIN/MAX

Burner station DN250/200
for a thermal power plant

- Common supply with manual shut-off
- Dirt trap with hand exhaust
- Common first quick shut-off valve FDS-VE
- Splitting into two burners with venting
- In each case with quick shut-off valve FDS-VE
- N2 flushing connection

Use examples

References for use in valve stations

Valve station DN150/200
Gas pressure reduction- and control station
for a rotary kiln burner (cement industry) with ignition gas line

Part 1

- Manual shut-off
- Dirt trap SF with optical delta-p display
- Gas pressure controller with upstream SAV
- Inlet zone for volume measuring

Part 2

- Volume measuring
- Hand exhaust and SBV
- Quick shut-off valve combination FDS-VE/FDS-VE/RV
- Second quick shut-off valve as control valve
- Ignition gas line
- Control air collector with accessories

Sicherheits-Schnellschluss-Ventile für Öl

Safety quick shut-off valves for oil

SAFETY
QUICK SHUT-OFF VALVES

FOR OIL

Safety devices with automatic shut-off function

Production series	Nominal diameter
ASV	DN 15, 20, 25
KVAZ	DN 32, 40, 50
KVAZ for high pressure	DN 15, 20, 25, 32, 40, 50

Accessories	Nominal diameter
Dirt trap also for high pressure	DN 15 to 50

The electro-pneumatically controlled safety shut-off devices are DIN checked and they conform to DIN EN 264 (DIN-CERTCO).
Certification program: safety shut-off equipment for firing systems with liquid fuels.
The safety shut-off devices correspond to the common specifications, the DGRL 97/23/EG, AD datasheets and DIN (ASTM) standards.

General

The function and working of the safety quick shut-off valves is conceived such that dangerous operating conditions are avoided and the system is protected.

If the auxiliary power fails, the safety quick shut-off valves are closed by the spring force.
Closing time: within 1 second / in control function, within 5 seconds.

Use area:	Fuel oil EL, M, S and oils not according to DIN 51603, other oils on request
Operating pressure:	max. 40 bar to +120°C max. 32 bar to +200°C max. 28 bar to +230°C max. 24 bar to +300°C
- High pressure valves:	max. 100 bar to +120°C max. 80 bar to +200°C
Operating temperature:	-20°C to +300°C
Ambient temperature:	-20°C to +80°C
Valve Casing:	Flange connections and weld-on ends according to DIN and ANSI
Casing 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 certificates according to EN 10204
Valve stem material	
- with bellows:	X6CrNiTi1810-10 (1.4541) / X6CrNiMoTi17-12-2 (1.4571) and special materials
- with rod sealing system:	X5CrNi1810 (1.4301)
Control medium:	Compressed air min. 3 / max. 10 bar
Control voltage:	24 VDC; 230 VAC other voltages on request
Protection type:	IP65 standard
Limit switch:	Design according to customer wish (mechanical or contact-less) Dimensions of the limit position indicator depending on design
Special design:	Other nominal diameter and higher pressures on request

Note:

Corresponding to DIN EN264, a dirt trap which prevents the penetration of bigger foreign bodies must be installed before each shut-off device.

At the steam boiler firings, the shut-off devices according to TRD must be provided in the form of two independent and self-closing safety quick shut-off valves as double actuators.
These valve combinations are normally designed with an intermediate flange including G1/2 test connection. Further connection options to the intermediate flange on request.

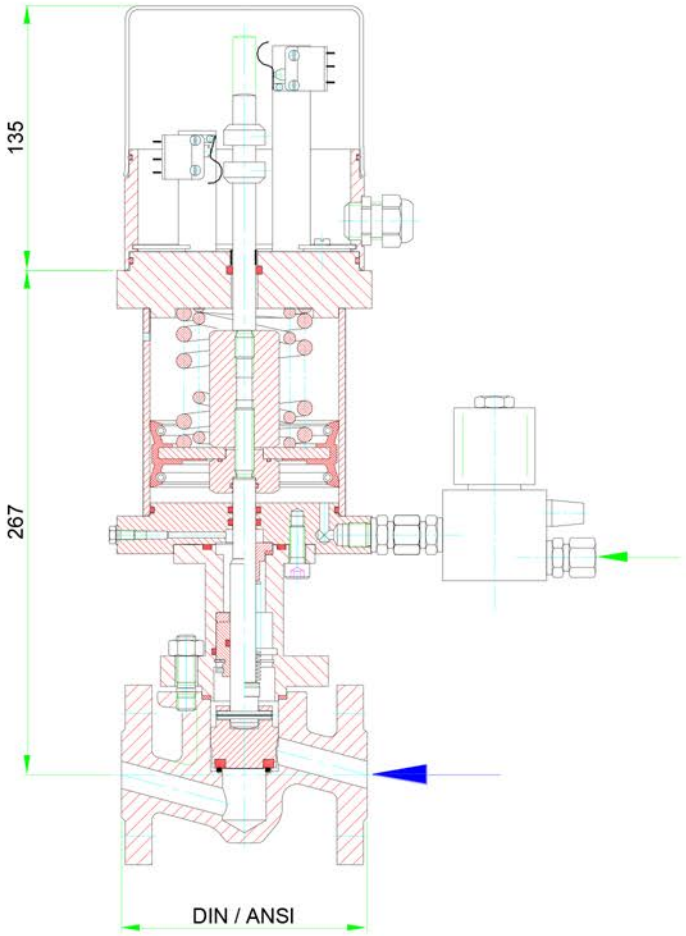
ASV Production series

The designs of the safety quick shut-off valve as poppet valve in small production size can be delivered in different variations having different properties.

	DIN	ANSI
Nominal diameter:	DN15, 20, 25	DN½", ¾", 1"
Nominal pressure:	PN10-40	PN150 lbs, 300 lbs
Casing material:	P250GH (1.0460)	A105, A216 WCB
Permissible operating pressure:	max. 40 bar	
Stem sealing:	Stainless steel bellows or rod sealing system	

Variants:

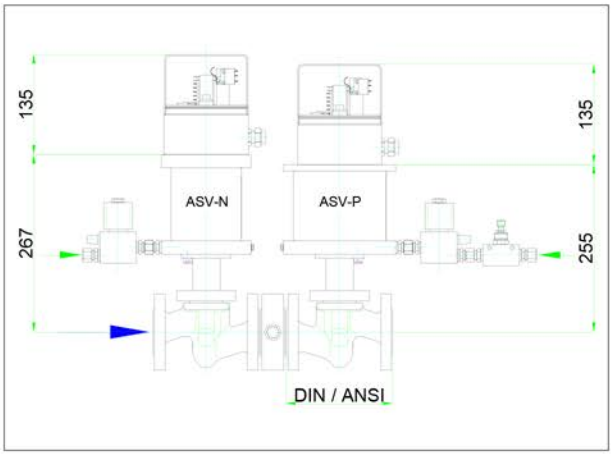
- ASV/N Standard design
- ASV/B With hydraulic opening retardation
- ASV/P With pneumatic opening retardation
- ASV/D 3-way design
- ASV/Z Opening in 2 phases
- ASV/R With control function



ASV/N

	Length, face-to-face (mm)			Weight (kg)
DN	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 figures for the ASV/N variant without attachments



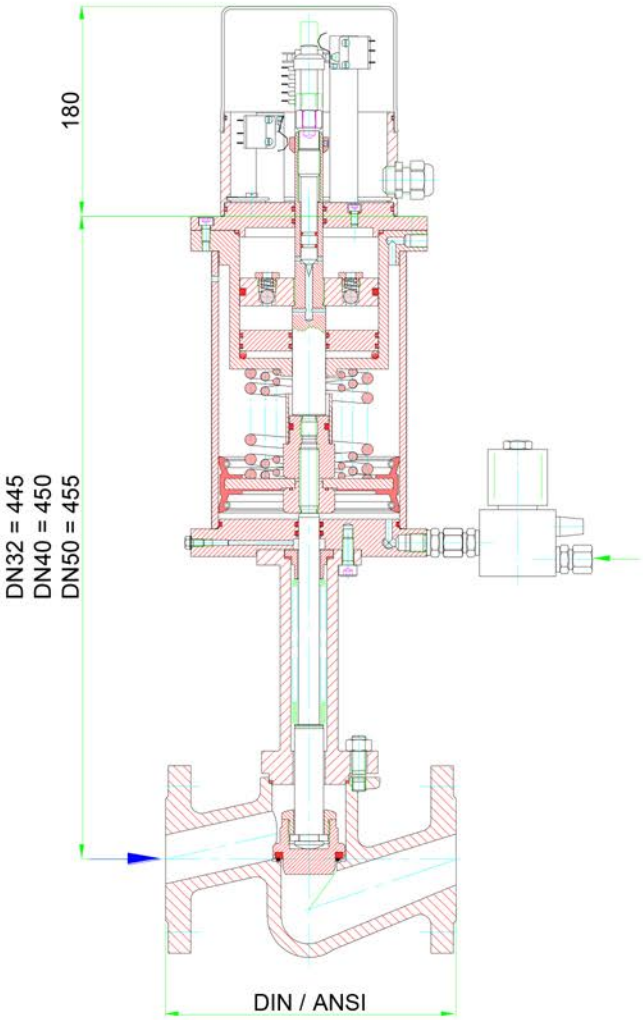
Design example:
Valve combination ASV/N – ASV/P
Intermediate flange with G1/2 test connection
Attachments: 3/2-way solenoid valve, throttle non-return valve and micro limit switches for "Open" and "Closed" position

KVAZ Production series

The design of the safety quick shut-off valve as poppet valve in small production size can be delivered in different variations for different use areas.

	DIN	ANSI
Nominal diameter:	DN32, 40, 50	DN1½", 2"
Nominal pressure:	PN10-40	PN150 lbs, 300 lbs
Casing material:	P250GH (1.0460)	A216 WCB
Permissible operating pressure:	max. 40 bar	
Stem sealing:	Stainless steel bellows	
Variants:	- KVAZ Standard design - KVAZ/S With hydraulic opening retardation - KVDK Opening in 2 phases	

Further nominal diameter/variants without type check or with individual acceptance



	Length, face-to-face (mm)			*Weight (kg)*
DN	*DIN PN10-40*	*ANSI 150lbs*	*ANSI 300lbs*	*DIN PN10-40*
32	*180*	-	-	*25*
40	*200*	*165*	*229*	*27*
50	*130*	*203*	*267*	*31*
Weight figures for the KVAZ variant without attachments				

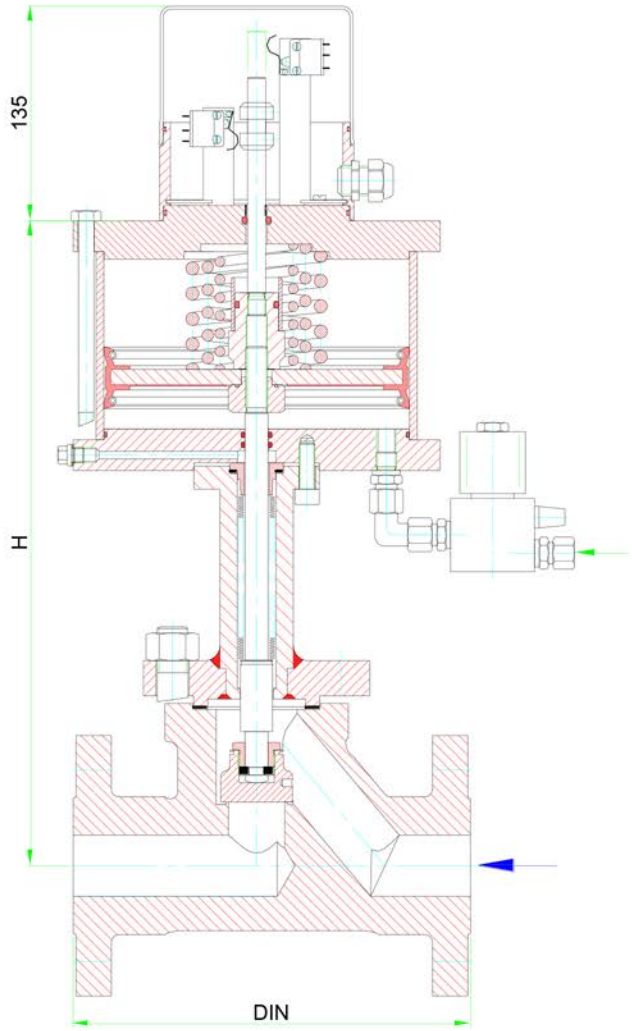
Design example (graphic):
KVAZ/S with hydraulic opening retardation
Attachments: 3/2-way solenoid valves and micro limit switches for "Open" and "Closed" position

Design example (photograph):
Valve combination consisting of KVAZ-KVAZ/S and venting valve ASV/O in corner design with 3/2-way solenoid valves (redundancy) and micro limit switches for "Open" and "Closed" position, wiring in terminal box

KVAZ Production series with high pressure

	DIN
Nominal diameter:	DN15 to 50
Nominal pressure:	PN63-160
Casing material:	P250GH (1.0460)
Permissible operating pressure:	100 bar to +120°C 80 bar to +200°C
Stem sealing:	Stainless steel bellows
Variants:	- KVAZ Standard design - KVAZ/S With hydraulic opening retardation - KVDK Opening in 2 phases

Further nominal diameter/variants without type check
or with individual acceptance



	Length, face-to-face (mm)	*Height (mm)*	*Weight (kg)*
DN	*DIN PN63-100*	*Variant KVAZ*	*DIN*
15	*210*	*460*	*19*
20	*230*	*460*	*20*
25	*230*	*460*	*21*
32	*260*	*420*	*32*
40	*260*	*420*	*34*
50	*300*	*390*	*38*
Weight figures for the KVAZ variant without attachments			

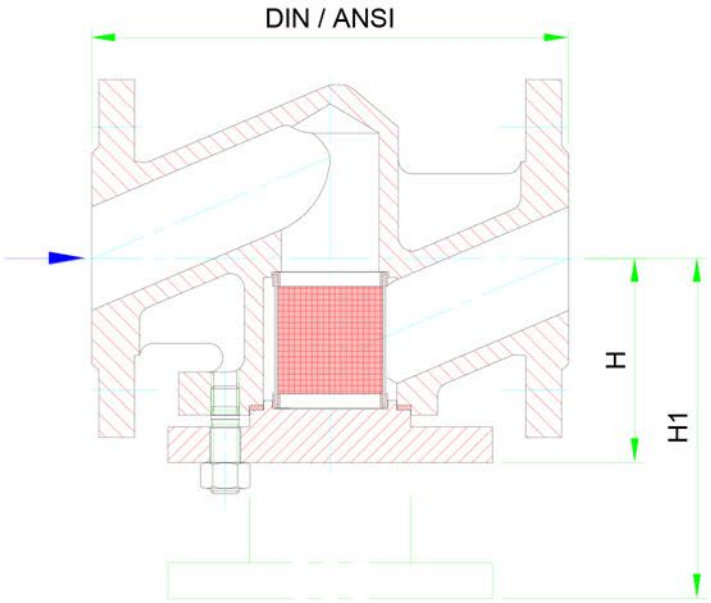
Design example:
KVAZ with 3/2-way solenoid valve
and micro limit switches for
"Open" and "Closed" position

Dirt trap accessory

Straight-type dirt trap with replaceable filter basket.

	DIN	ANSI
Nominal diameter:	DN15 bis 50	DN½" bis 2"
Nominal pressure:	PN10-160	PN150 lbs, 300 lbs
Casing material:	P250GH (1.0460)	A105, A216 WCB
Fine fliter material:	X 5 CrNi Mo 17 22 2 (1.4401)	
Supporting basket material:	X5CrNi1810 (1.4301)	
Permissible operating pressure:	max. 100 bar	
Filter mesh width:	0.5 mm	

Note: A design with differential pressure display (optical or with electrical contact) can be delivered for monitoring the degree of pollution.



Design example: DN40

	DN	15	20	25	32	40	50
Height (mm)	H	70	70	80	85	95	110
Removal height (mm)	H1	110	110	130	130	145	155
Length, face-to-face (mm)	DIN PN40	130	150	160	180	200	230
	ANSI 150lbs	108	117	127	-	165	203
	ANSI 300lbs	152	178	203	-	229	267
Weight (kg)	DIN PN40	4	5	6	7	10	12

Use examples

References for use in valve stations

Valve Station DN50 for liquid fuels

Oil-side with volume measurement and start control air-steam changeover as atomizer medium

Combined valve station for gaseous and liquid fuels

- Gas-side:
  DN150 PN16
- Oil-side:
  DN25 PN40
- Steam-side:
  DN15 PN40

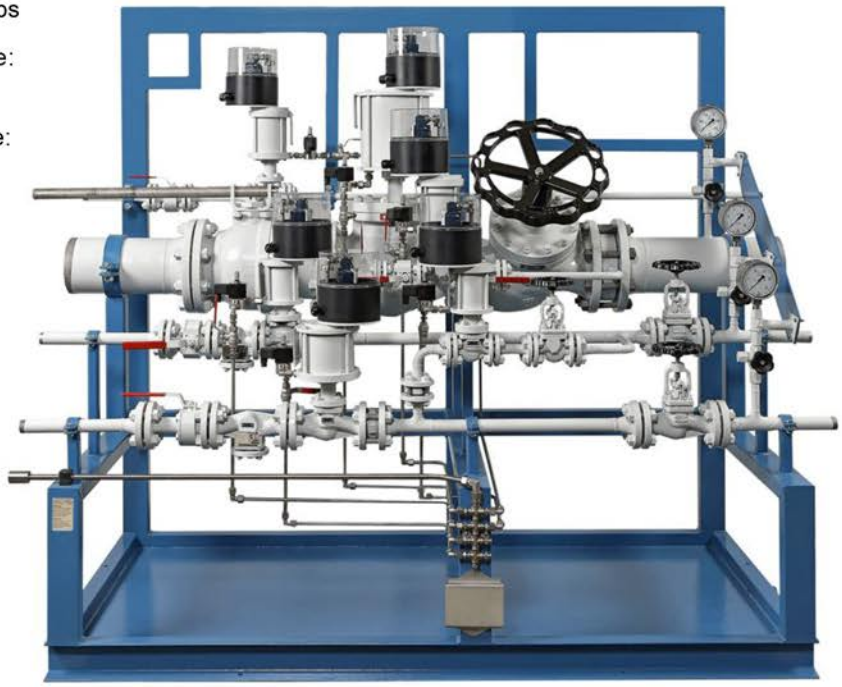
Use examples

References for use in valve stations

Valve Station DN25 PN40 for oil return burner

Combined valve station for gaseous and liquid fuels according to ASME standard

- Natural gas line: DN6" 150lbs
- Ignition gas line: DN1/2" 150lbs
- Diesel oil line: DN1" 300lbs
- Atomizer line: DN1" 150lbs



Sicherheits-Schnellschluss-Ventile für Dampf

Safety quick shut-off valves for steam

SAFETY
QUICK SHUT-OFF VALVES

FOR STEAM

Safety devices with automatic shut-off function

Production series	Nominal diameter
ASV	DN 15, 20, 25
KVAZ	DN 32, 40, 50

Accessories	Nominal diameter
Dirt trap	DN 15 to 50

The safety shut-off devices correspond to the common specifications, the DGRL 97/23/EG, AD datasheets, DIN (ASTM) standards.

General

The function and working of the safety quick shut-off valves are conceived such that dangerous operating conditions are avoided and the system is protected.

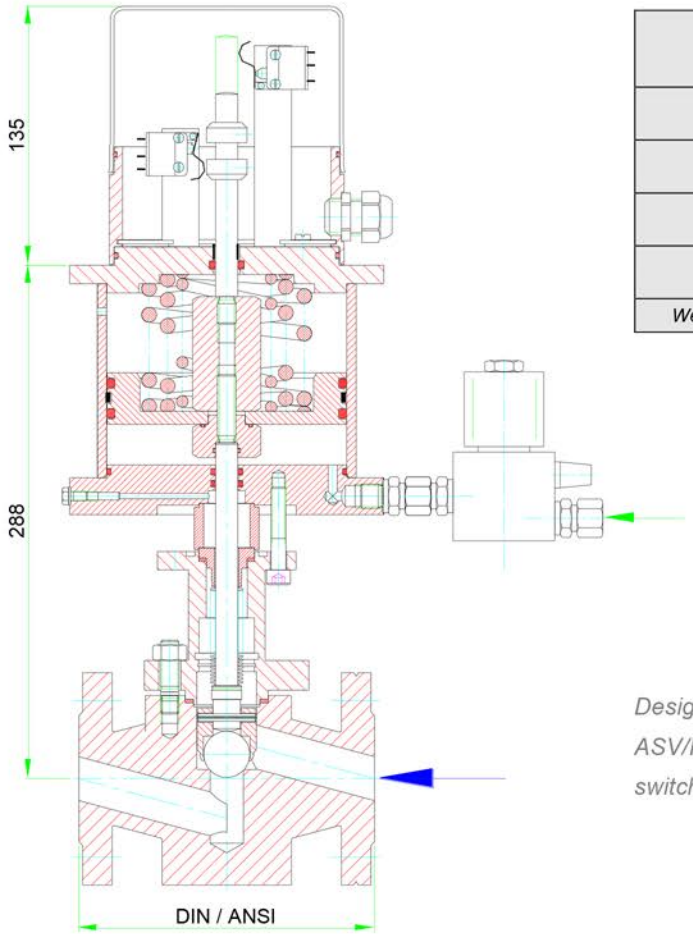
If the auxiliary power source fails, the safety quick shut-off valves are closed through spring force.
Closing time is less than 1 second.

Use area:	Steam
Operating pressure:	max. 40 bar
Operating temperature:	-20°C to +400°C
Ambient temperature:	-20°C to +80°C
Valve casing:	Flange connections and weld-on ends according to DIN and ANSI
Casing 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 verification according to EN 10204
Valve stem material	
- with bellows:	X6CrNiTi1810-10 (1.4541) / X6CrNiMoTi17-12-2 (1.4571) and special materials
Control medium:	Compressed air min. 3 / max. 10 bar
Control voltage:	24 VDC; 230 VAC other voltages on request
Protection type:	IP65 standard
Limit switch:	Design according to customer wish (mechanical or contactless) Dimensions of the limit position indicator depending to design
Special design:	Other nominal diameter and higher pressures on request

ASV Production series

Execution of safety quick shut-off valve as metallically sealing ball valve in small design with cooling part.

	DIN	ANSI
Nominal diameter:	DN15, 20, 25	DN½", ¾", 1"
Nominal pressure:	PN40	PN300 lbs
Operating temperature:	max. 400° C	
Casing material:	P250GH (1.0460)	A105
Permissible operating pressure:	max. 40 bar	
Stem sealing:	Stainless steel bellows	
Variants:	ASV/K Standard design	



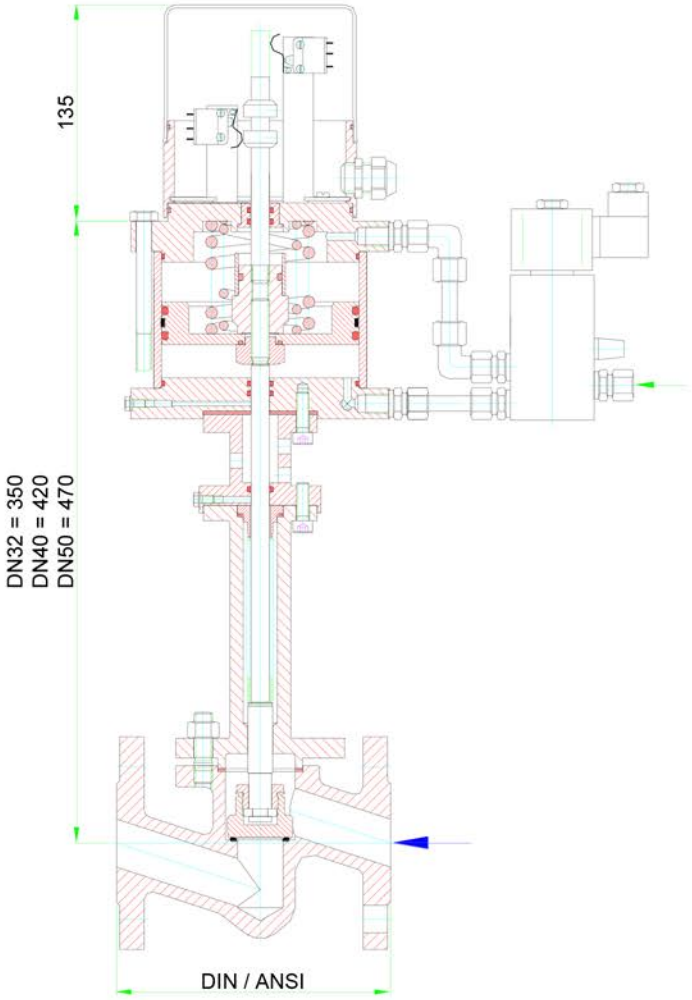
	Length, face-to-face (mm)		*Weight (kg)*
DN	*DIN PN10-40*	*ANSI 300lbs*	*DIN PN10-40*
15	*130*	*152*	*18*
20	*150*	*178*	*20*
25	*160*	*203*	*21*
Weight figures for the ASV/K variant without attachments			

Design example:
ASV/K with 3/2-way solenoid valve and micro limit switches for "Open" and "Closed" position

KVAZ Production series

Execution of safety quick shut-off valve as metallically sealing poppet valve in small design with cooling part.

	DIN	ANSI
Nominal diameter:	DN32, 40, 50	DN1½", 2"
Nominal pressure:	PN40	PN300 lbs
Operating temperature:	max. 400° C	
Casing material:	P250GH (1.0460)	A216 WCB
Permissible operating pressure:	max. 40 bar	
Stem sealing:	Stainless steel bellows	
Variants:	KVAZ Standard design	



	Length, face-to-face (mm)		*Weight (kg)*
DN	*DIN PN40*	*ANSI 300lbs*	*DIN PN40*
32	*180*	*-*	*28*
40	*200*	*229*	*30*
50	*230*	*267*	*31*
Weight data for variant KVAZ without attachments			

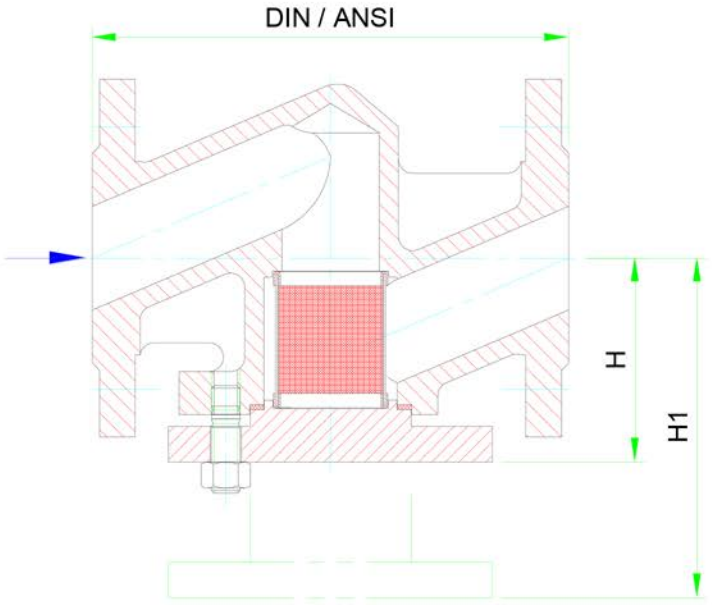
Note:
Control via 5/2-way solenoid valve
due to increased inner tightness

Design example:
KVAZ with 5/2-way solenoid valve and micro limit switches for "Open" and "Closed" position

Dirt trap accessories

Straight-type dirt trap with replaceable filter basket

	DIN	ANSI
Nominal diameter:	DN15 to 50	DN½" to 2"
Nominal pressure:	PN40	PN300 lbs
Casing material:	P250GH (1.0460)	A105, A216 WCB
Fine sieve material:	X 5 CrNi Mo 17 22 2 (1.4401)	
Supporting basket material:	X5CrNi1810 (1.4301)	
Permissible operating pressure:	max. 40 bar	
Filter mesh width:	0.1 – 0.5 mm	



Design example: DN40

	DN	*15*	*20*	*25*	*32*	*40*	*50*
Height (mm)	*H*	*70*	*70*	*80*	*80*	*85*	*95*
Removal height (mm)	*H1*	*110*	*110*	*130*	*130*	*145*	*155*
Length, face-to-face (mm)	*DIN PN40*	*130*	*150*	*160*	*180*	*200*	*230*
	ANSI 300lbs	*152*	*178*	*203*	-	*229*	*267*
Weight (kg)	*DIN PN40*	*4*	*5*	*6*	*7*	*10*	*12*

Kompaktsysteme

Compact Systems

COMPACT SYSTEMS

Safety devices with automatic shut-off function in compact design

Production series for oil	Nominal diameter
ASS / ZAK	DN 25
ASV-P/MKA	DN 15, 20, 25

The electro-pneumatically controlled safety shut-off devices conform to DIN EN 264.

The safety shut-off devices correspond to the common specifications, the DGRL 97/23/EG, AD datasheets, DIN (ASTM) standards.

Production series for gas	Nominal diameter
GSV-GASSKO	DN 100, 125, 150
GASSKO	DN 200

Corresponding to the specifications of Pressure Device Directive 97/23/EG, Gas Device Directive 90/396/EWG, AD 2000 data sheets, DIN EN 161 Valve Group 2 Valve Class A and DIN (ASME) standards.

Note:

General information can be taken from the pages on “Safety quick shut-off valuves for oil” and “Safety quick shut-off valves for gas” .

ASS and ZAK Production series

A compact production design is achieved by arranging the valves face-to-face in a casing

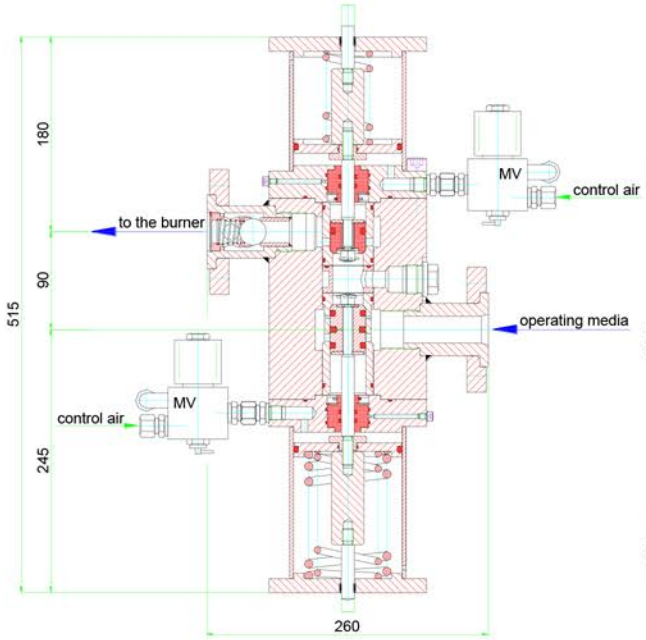
Advantages:

- Bigger KV (CV) values through favourable flow
- Safety against return pressure
- No thermally conditioned over-pressure in system
- Adjustable blow-out steam volume
- Cooling steam bypass, tightly sealed

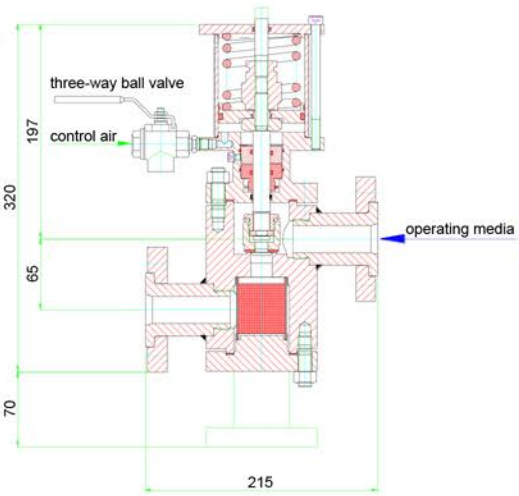
ASS Production series for oil

	DIN	ANSI
Nominal diameter:	DN25	DN1"
Nominal pressure:	PN40-100	PN300 lbs, 600 lbs
Permissible operating temp.:	max. 200° C	
Casing material:	P250GH (1.0460)	A105
Permissible operating pressure:	max. 100 bar	
Stem sealing:	Rod sealing system	
Variant:	- ASS Standard design - ASS/RV 1st valve as control valve - ASS/HV Hand valve with integrated dirt trap	

The first valve in the direction of the flow is a quick shut-off valve in relieved design. The second valve is relieved partially



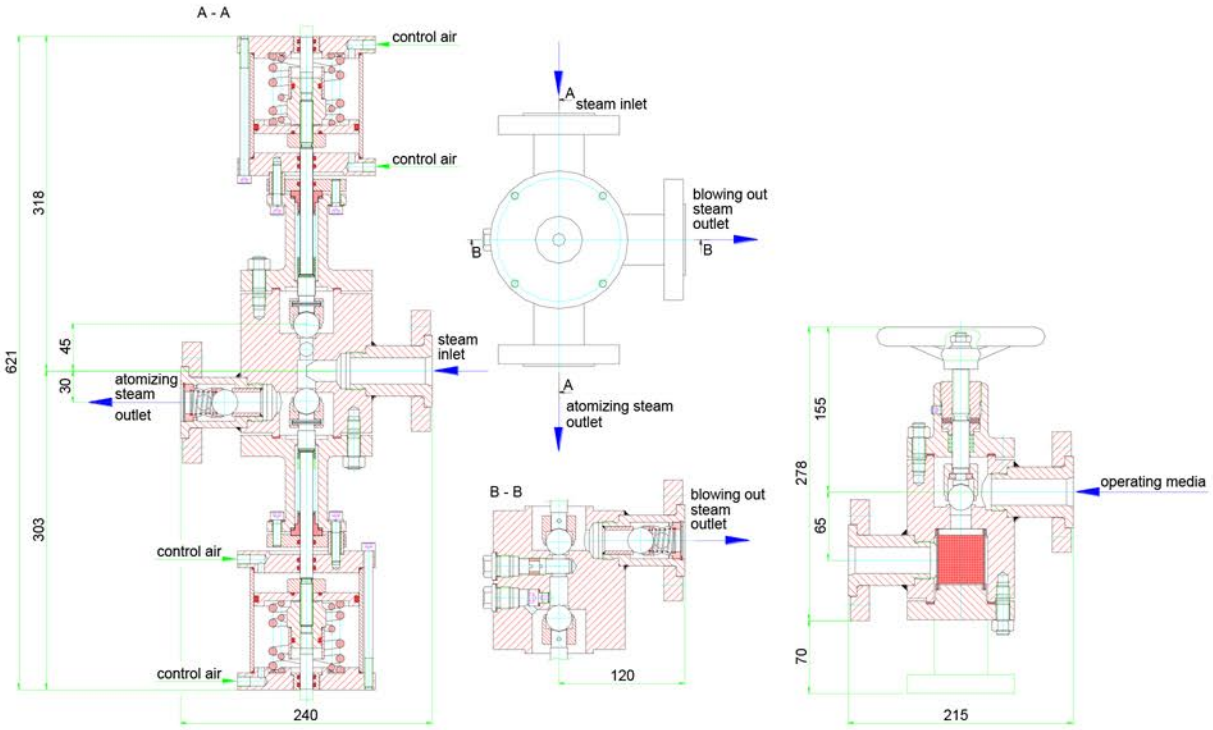
Design examples: ASS with 3/2-way solenoid valve



ASS/HV with 3-way ball valve

ZAK Production series for atomizer- and blow-out steam

	DIN	ANSI
Nominal diameter:	DN25	DN1"
Nominal pressure:	PN40	PN300 lbs
Permissible operating temp:	max. 400° C	
Casing material:	P250GH (1.0460)	A105
Permissible operating pressure:	max. 40 bar	
Stem sealing:	Stainless steel bellows	



ASS-ZAK
compact system

Burner station:
DN25 PN40

ASV-P/MKA Production series

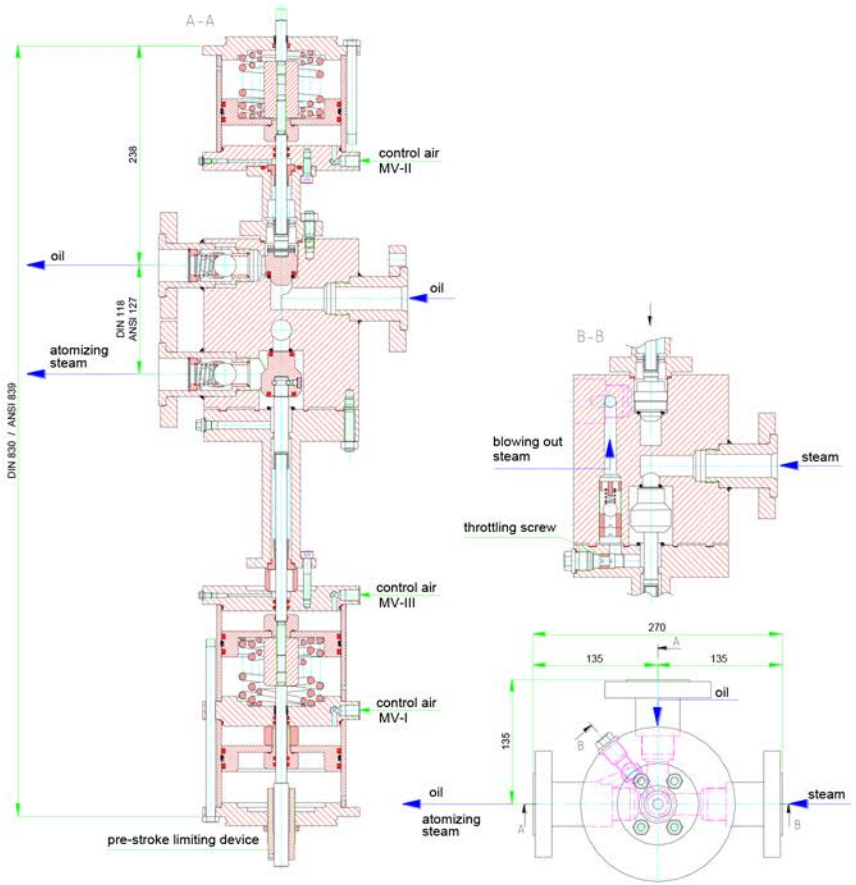
Safety quick shut-off valve combination for oil, atomizer and blow-out steam.
The most compact valve combination that is possible.

The electro-pneumatically actuated valve combination type ASV-P/MKA consists of two facing piston-controlled valves in one casing for operating media oil and steam, with integrated not-return valves on the outlet side. The casing is equipped with a separate inlet for oil and steam, as well as a separate outlet for oil and atomizer steam.

The upper side of the valve combination consists of a quick shut-off device conforming to EN 264 for oil. The lower side of the valve combination consists of a steam valve having a 2-phase design (pre-stroke and main stroke).

The control of the valve combination is realised via three solenoid valves (MV-I; MV-II and MV-III).
The solenoid valve MV-I opens the first stage (pre-stroke) of the steam valve. The solenoid valve MV-II enables a decelerated opening of the oil valve via a throttle check valve. The third solenoid valve MV-III opens the second stroke of the steam valve (main stroke).

	DIN	**ANSI**
Nominal diameter:	DN15, 20, 25	DN½", ¾", 1"
Nominal pressure:	PN40	PN300 lbs
Permissible operating temp:	max. 400° C	
Casing material:	P250GH (1.0460)	A105
Permissible operating pressure:	max. 40 bar	
Stem sealing:	Stainless steel bellows	



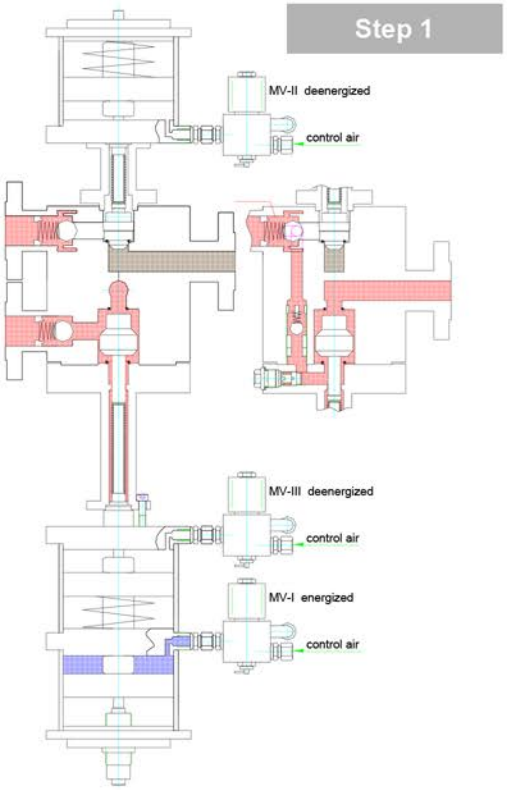
Working

Unoperated position

In idle position, the valves are closed by spring force. The control circuits of the solenoid valves are interrupted. The combination opens in two steps.

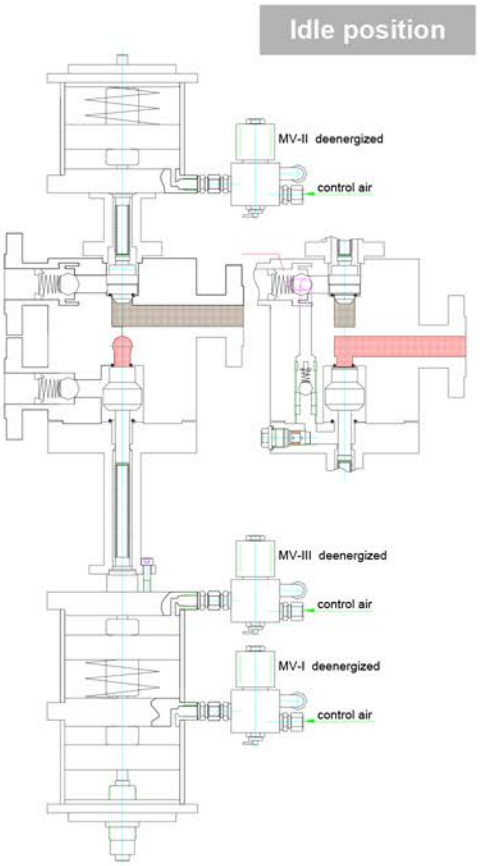
Step 1
Pre-heating / blow-out

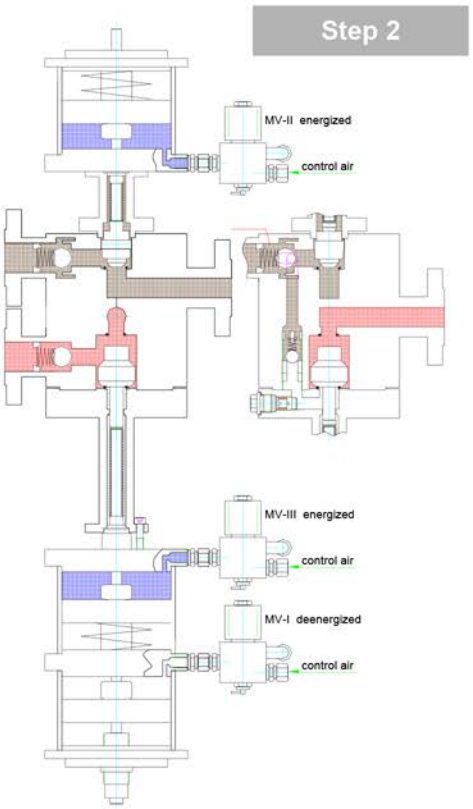
The first step of the steam valve (pre-stroke position) opens on control the solenoid valve MV-I. Steam flows into the atomizer steam outlet of the combination (pre-heating) in this position.
Simultaneously, the steam reaches the oil outlet (blow-out) through the connecting bore hole between the steam- and oil side behind the oil non-return valve.
The volume of steam can be adjusted continuously via the position of the pre-stroke. The blow-out steam volume can be adjusted with the blow-out steam throttle.



Step 2
Operating position

The valve of the combination opens on actuating the solenoid valve MV-II. The solenoid valve MV-III is triggered simultaneously (solenoid valve MV-I can be switched off), so that the main stroke of the steam valve opens. The blow-out steam side is shut off at this moment and only the atomizer steam side is released in the direction of the burner (operating position).

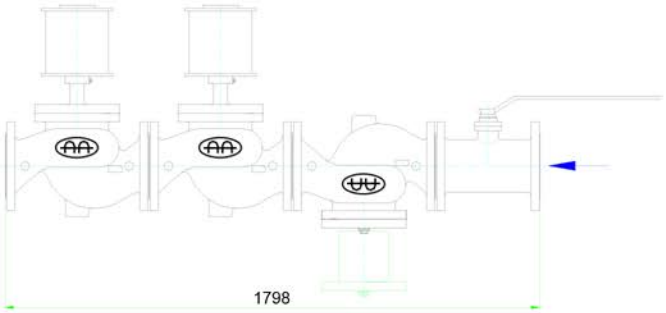




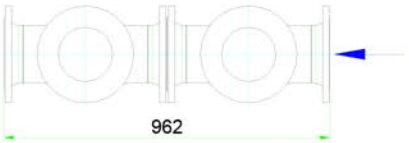
GSV-GASSKO and GASSKO Production series

As compared to the traditional arrangement of a valve series consisting of manual shut-off, dirt trap and valve combination, the installation space required by the mentioned production series is considerably less. The versatile connection options of the Casings enable the most different connection possibilities.

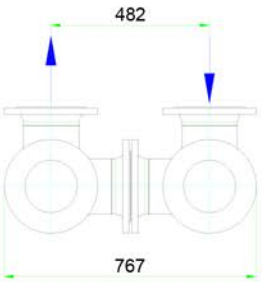
Design example
GSV-GASSKO



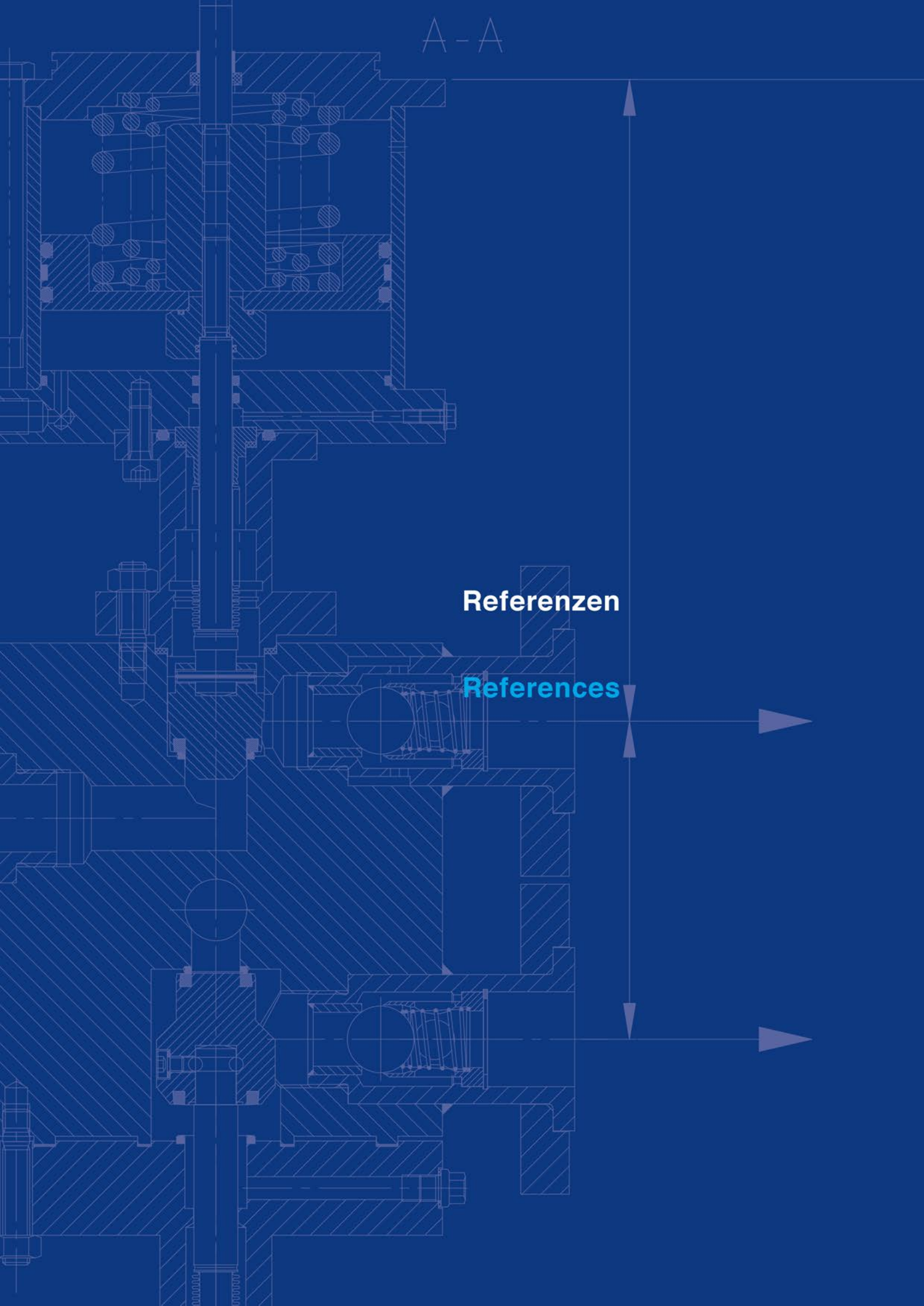
Traditional arrangement of a DN150 valve series



GSV-GASSKO Production Series DN150 consisting of identical components as in the traditional arrangement



Example of varying connection of casings



Referenzen

References

REFERENCES

An excerpt from our project list

Country	Project / Plant
ALBANIA	TPS Vlore
ALGERIA	Cimenterie ain el Kebira / Hamma Bouziane / Sidi-Aich / Sucra / Septa / Cevital SPA Algerie
ANTILLES	K.A.E. Curacao
ARGENTINA	TPS Costanera / TPS Bahia Blanca Unit I + II / Minetti / Minera Tea San Juan / Pico Truncado
AUSTRALIA	TPS Etsa Unit I + II / BHP-Port Hedland BHI / Shell / PS Millmerran Worsley Aluminia
AUSTRIA	FHW Graz / RV Lenzing / Donawitz / TPS Simmering / Werndorf / MVA Wels / TPS Pernegg / STW.-Klagenfurt / SCA-Laakirchen / OKA-Riedersbach / Voitsberg / Timelkam / Linz Mitte / Voest-Alpine / Smurfit-Mill / Lafarge-Mannersdorf / Norske-Skog-Bruck / Patria / DMV-Schwechat / RHKW Linz / Salzburg-Mitte / W+P-Cement-Peggau / Sappi Gratkorn / FHKW Leopoldau / Lenzing
BAHREIN	Aluminium Bahrein B.S.C. / Sitra Power Station
BANGLADESH	TPS Ashuganj
BELGIUM	Pantochin / Pia-Fina / Brouhon S.A. / Bayer Antwerpen / Hoboken-Overpelt / Union Minerie / DOW Chemical / BASF-Antwerpen / Sugar Plant Orafti / Inesco-CHP / Cement Carmeuse-Aisemont / Lanxess / Taminco CHP-Gent / STORA Enso Langerbrugge / Electrabel-Rodenhuize 4
BOLIVIA	La Paz
BOSNIA HERZEGOVINA	Natron-Maglaj / Cement Lukavac / Barit d.d. Kresevo
BRAZIL	TPS Jorge Lacerda Unit III + IV / Union Carbide / Copperbras / CSN-CTE 2 / Monte Alegre CFB Plant

Country	Project / Plant
BULGARIA	Neftochim Burgas / TEZ Dewjna / TEZ Sofia / TEZ Kostow I-IV / TEZ Kremikovtzi / Zemeljane / Kintex / Calcit JSC-Assenovgrad
CANADA	Vale Newfoundland
CHINA	TPS Pucheng / TPS Chao Yang / Huaneng Beijing Unit I, II, III + IV / TPS Yang Shu Pu / Alchin / China Steel Corporation / Ningxia / Hefei / Benxi-Steel / Wonjin / BASF-Nanjing / Zheng Zhou Aluminium / UPM Changshu Mill / Tianjin Stainless Steel / Formosa ABS Plastics-Ningbo / Siemens Huludao Peking / Tongxian I + II / Tangshan Iron-Steel
CROATIA	TPS Sisak / TPS Rijeka / Te-To Zagreb / El-To Zagreb / Te-To Osijek / Papierfabrik Belisce / Rijeka Ina I+II / Ina-Kutina / Kamen Sirac.d.d. / Cement Nasice / INA Sisak Unit 1+2 / Toplana Karlovac
CUBA	TPS Moa-Niquel
CYPRUS	PS Girne
CZECH REPUBLIC	Deza / Mlada Boleslav De 80/90 / Vapenka Certovy Schody / Zaluzi / Cement Citkovice / Iwip-Ostrava / Duslo Sala / Zilina II / Refinery - Paramo-Pardubice / TPS-Ledvice
DENMARK	TPS Studstrup / Sugar Mills Nakskov / D.O.N.G Nybro / Danisco Assens / Dansk Naturgas A.S. / Lygten Heat Station / H.C Ørsted Vaerket
DOM. REPUBLIC	Pueblo Viejo Dominiciana Corp.
ECUADOR	Lafarge Selva Alegre
EGYPT	NCC Tabin / TPS Suez (Ataka) / Alexandria / Abu Kir II / Kafr el Dawar / Amerya Petrol Egypt / National Paper / Talkha-Kairo / Talkha-Dakahlka / TPS Damanhour / APC Alexandria / Shoubra Kairo Unit 1-4 / BMIC-Assiut / Danieli Suez Steel / Lafarge Beni Suef
ESTONIA	Baltic P.P.-Narva / Tartu
ETHIOPIA	Cement Debra Midroc
FINLAND	Neste Oy / TPS Toppila / TPS Inkoo Unit I, II, III + IV / TPS Lahti / TPS Veitsiluoto / Mercantile / Porroon Tuotantola Stouset / TPS Kristinestad / Oulu Oy / Stora Enso Summa Mills
FRANCE	Tembec Tartas SA / Raffinerie des Flandres-Duikerken / Total Gonfreville / Naphtachimie Lavera / Central Siderurgique de Richemont / Brouhon-Eppenville / Solvay / Sollac / Elf-Atochem / Corbehem Mill / Esterac / Dalcia-Nancy

Country	Project / Plant
GERMANY	ENBW / Evonik / GDF-Suez / RWE / Statkraft / Vattenfall / Bayernoil / Exxon Mobil / MIRO / Shell Deutschland Oil / Basell / BASF / Henkel / Ineos / Lanxess / Daimler Chrysler / VW / Nordzucker / Pfeifer & Langen / Südzucker / Metsä Tissue / Sappi / Smurfit Kappa / Stora Enso / UPM / Bayer Schering Pharma / Boehringer / Merck / Continental / Michelin / Pirelli / Cargill Karlsberg / Meggle / Nestle / Cemex / Heidelberger Zement / Lafarge / Spenner / Felswerke / Rheinkalk / Schaefer Kalk
GREAT BRITAIN	BP Nepa London / BP-Glamorgan / Grovehurst / NCB-Grimethorpe / MVZ Allington / Dalkia-Huddersfield / MVA-Manchester / Tarmac Ltd.-Buston / Shetland Ilands
GREECE	TPS Megalopolis / G.M.M.S.A. Larco / TPS Lavrion / Athens Papermill / Motor Oil Hellas / TPS Rhodos / TPS Aliverion / Petrola

Country	Project / Plant
HUNGARY	TPS Dunamenti / TPS Tisza / Melyepito-Vallalat / Kispest 1-4 + HWE9 +10 / Uijpest HWE 10 / Kóbánya Unit 1 / Kelenföld 1+2; 13+14 / Györ / Tatabanya / Csepel / Nitrokemia-Füzfö / Duna-Drava-Cement / Matrai-Erömü-RT / TPS-Pecs 5+7 / Raffinerie-Mol / Borsodchem
INDIA	TPS Benghazi / Essar Oil Vadinar / Gipicl / TISCO-Jameshedpur / Reliance Petrochemicals Ltd. / Thirumalai chem. Ltd.
INDONESIA	Puln-Muara Karang SPP Unit I +II +III / Ecogreen / Poly-Pet / Pertamina-Balikpapan-HHP 1-3 / Semb. Corp. / P.T Krakatau Steel-Cilegon / Sumi Rubber / Bridgestone Karawang / PT-Syrindo Mono Indonesia
IRAN	Tavanir-TPS Neka Unit 1-4 / TPS Mashad (Touss- Powerstation Unit 1-4) / Sephan-Cement / Esfahan / Karun-Industry / Shiraz-Cement / Aria-Cement / Kermanshah / Eghlid Sugar / Zagros-Petrochemical / Ekbatan Cement / Razi-Petrochemical-Propet / Kavir Kashan Cement / Gharb Torbatcement / Kiasar Cement / Fajr II / Safa Foulad Sepahan Co
IRAQ	Basra / TPS Daura Unit 5 + 6 / Al Qaqa State Est. / Company Rad
IRELAND	Guiness / Entkant / Henkel Cork / ESB-Lanesborough / ESB-Shannonbridge
ISRAEL	TPS Haifa „B“ / Agan / IEC-Eshkol C+D / Haifa-C Unit 3+4 / AIPM-Mill / NIM-Israel
ITALY	Sarras / Eurallumina / Fervet / Terni II / Fassa S.R.L / Torino-B 1-3
JAPAN	Takuma / Kanemura / TPS-Ohi

Country	Project / Plant
JORDAN	Arab Potash – Safi / Al Katrana Cement Company / Lafarge Rashadiya
KOREA	Nanja / Mjung-Ji / Kosco / Posco / CFB Korea Zinc / Daewoo Shipbuilding and marine Engineering / Hyundai Heavy Industries / Samsung Heavy Industries / Honan-Petrochemical
KUWAIT	MEW-Doha West Unit 1-8 / Pic-Kuwait / MEW Shuaiba South Power Station Unit 1-4
LATVIA	Broceni-Cement
LEBANON	La Kadischa / Beirut
LIBYA	TPS Ras La Nuf / TPS Homs / TPS Tobruk III / TPS Rasco / Cemag Zlit-en
LITHUANIA	HW Ignalina / Kalcitas-Akmenes-Cement / Klaipeda
LUXEMBOURG	Goodyear Luxembourg Tires S.A.
MACEDONIA	Energo-Sistern-Skopje
MALAYSIA	Pahang Cement / MCB-Industries / Megasteel Banting
MALTA	Marsa Powerstation
MAROCCO	TPS Casablanca
MEXICO	Calidra de Oriente – Puebla + Torreon / Cemex Valles / Calidra cal de Apasco / Cemex Yaqui / Cemex Tepeaca / Calhidra de Sonora-Hermosillo / Rebasa-Moncloa / Cemex Valles / Mexicana de Cobre
MOZAMBIQUE	Cement Matola
NETHERLANDS	AKZO Nobel Chemical-Salinco / Avi Rijnmond-Rotterdam / Cabot-Botlek / E.on – EZH Waalhaven / E.on Maasvlakte ROCA 3 / EdeA-Centrale Maurits / EdeA-DSM / EdeA-WKC Noord + Zuid / Electrabel Bergum / Electrabel Gelderland-Nijmwegen / Electrabel Harculo-Zwolle / Electrabel Flevo Centrale / Essent Clauscentrale-Maasbracht / Nuon Buggenum-Haelen / Nuon Hemwegcentrale-Amsterdam / MVA Gavi Wijster / NAM / Eerbeek Mill / Berghuizer Papermill / Mc Cain – Lelystad / Suiker Unie Dinteloord
NEW CALEDONIA	Goro Nickel / Koniambo Nickel
NIGERIA	Nepa-Sapele Unit 1 - 6 / Benue-Cement / CSA Nigeria Steelplant Warri / CCNN Sokoto / Golden Sugar Refinery-Lagos

Country	Project / Plant
NORWAY	Norfra Verdal / ESSO Slagen
OMAN	MEW Ghubrah / Raysut Cement / Sohar
PAKISTAN	TPS Bin Qasim Unit 1 + 2 / Cement Mustehkam / Lucky-Cement / Fecto-Cement / FCCL-Faufa / Dewan Cement / Dewan Hattar Cement
PANAMA	Cemex Bayano
PHILIPPINES	Toledo 1 - 3 / Panay 1 + 2 / Petron 1 + 2 / Taganito
POLAND	TPS Siersza Unit 1+2/ Anwil / Refinery Gorlice / Soda Matwy Inowroclaw / Swiecie-Mill / Patnow II / Lhoist-Opolwap / Eurochem / Gorka-Cement / CHP-Plant-Kostrzyn / BDN I +II - Görlitz / ZPW Trzuskawica / Bielsko Biala / Belchatow / Kujawy Wapno-Piechcin
PORTUGAL	GDL / Leca Avelar-Cement / Soporcel-Mill / Cacia
QATAR	Doha Ras Abu Aboud / QNCC-UMM Bab / Shell
ROMANIA	Holcim Cement-Campulung / TPS Turceni / TPS Rovinari / Isalnita-PS / Refinery Pitesti / Borzesti / Vilcea / Palas / CET-Bacau / CET-Bucuresti-Progesul / Romvec-CET Griro / CET-Palas / Bucharest-CET Sud + Vest / Vama-Timisoara / Celco S.A. / Progresu Bucharest Unit 2 + 4 / Galati Unit 4 – 8 / TPE-lernut / Cement Alesd / Arcelor Mittal-Galati / CET-Bucuresti-Grozaresti / CET Palas Constanta II / CAF Constanta / CAF Bucuresti 1 + 3
RUSSIA	MSZ-3-Moskau / Mortka / Steel & Iron Works Magnitogorsk / Topliatti Azot-Samara / Novocherkasskaya Gres Unit 9 / Cement-Sengiley / Cement-Novotroizk / Lukoil-Kstovo / DAO-Novoroscement-Perwomaiskij 1+2
RWANDA	Cement Cimerwa
SAUDI ARABIA	SWCC-Jeddah Unit 5-8 / Ruwais / Qassim-Cement / Yanbu-Cement / Ras-Bardi-Cement / IWPP Marafiq / Rabigh Arabien Cement
SENEGAL	Senelec-Dakar
SERBIA	RTB-Bor Belgrad / Sremska Mitrovica / TPS Nikola Tesla A3 / Cement Beocin / Minel / Jelen Do / Nori Belgrad / Vozdovac / Nori SAD-Toplana Zapad
SLOVAKIA	TPS Vojany Unit 21-24 / Cemmac-Horne Srnie / Dolvap S.V.O Varin / Duslo Sala B6+B7 / Kosice B1+B2 / Buhonice / Slovnaft 4 + 5

Country	Project / Plant
SLOVENIA	TPS Sostany III / Papermill Vevce / KEL-Ljubljana / TE-TO Ljubljana / Naftalendava / Cement Salonit Anhovo
SOUTH AFRICA	TPS Sasol II+III (Secunda) / NCP Alcohols Durban / Sappi Saiccor-Umkommas
SOUTH KOREA	Nanja / CFB Korea Zinc / Mjung JI / Kimpo-Airport / Kosco / Daewoo Babcock / Posco
SPAIN	TPS San Adrian / TPS Narcea / TPS La Robla / TPS Mairama / Cemex Alcanar 1 + 3 / MVA Constanti / BASF-Tarragona / Baena / Tudela Verguin-Cement / Helio Energy-Cordoba / BMKW-Baena / Solnova-Granada
SRI LANKA	Ceylon Petroleum Corporation
SWEDEN	Pegasus Spanga Oxelosund / Kristiina / Götaverken / Kockums / TPS Lulea / TPS Öresund Verket / TPS Vattenfall Stenungsundsverket / TPS Vaertan / MVA-Stockholm / Hafreström / Abyverket-Örebro / Rosenlund / Nynas-Petr. / NCB-Hörnefors / SSAB-Oxelösund / Hydro-Polymer-Stennungsund / MVA Burlöv-Malmö / AZC-Sandarne / Umea Dara 2
SWITZERLAND	Visp-Lonza / IWK-Genf / Novartis / Roche AG / STW.-Bern / Paper mill Biberist / Gas plant Genf / sugar refinery Aarberg + Frauenfeld / Paper mill Utzenstorf / HTPS-Aubrugg / FIG-ZH-Kloten / Attisholz / Cimo / EW-Lausanne / HKW Basel / DSM-Sisseln
SYRIA	Refinery Banias / GFC-Homs-Kattineh / Rakka / Masquane
TAIWAN	MVA Keelung / MVA Lihtser / Nanya-Plastics / Finol / Chang Chun A + B / OPTC 9 + 10
THAILAND	TPS Suratani / Thasco-P / PTT Chemicals / Bangkok CAO
TUNISIA	Societe Tunisienne / Cous-Cous / Tunesia Sugar
TURKEY	TPS Elbistan A+B / PS Iskenderun / PS Cyprus / PS Seyitömer / Cayirhan Unit 3+4 / Mensa-Adana / Sasa / Alkim / Turkey AGRi / Bor / Ilgin / Ankara / Susurluk / Sugar Plant - Turhal - Konya - Eskisehir - Adapazari - Burdur - Afyon / NUH Cimento / Camemsat I / TPS-Tuncbilek / ADO-Cimento / TPS-Ambarli / Isdemir / Konya Sugar Plant / AS Cimento / Isdemir Unit 3 – 7 / Cement Maras-Kahramanmaras / Borasco – Samsun CCPP / Bomag-Tarsanki / Yenikoy Unit 1 + 2 / Eti-Aluminium-Seydisehir / Eti-Maden-Eskisehir
TURKMENISTAN	Cement Jebelfa / Cement Koyfa

Country	Project / Plant
UAE	WED-Abu Dhabi Unit 1-6 / TPS Umm Al Nar (West) Unit 1-10 / TPS Umm Al Nar (East) Unit 1 - 6 / TPS Galilah / Al Taweelah A1 Unit 11-18 / Layah PS-Sharjah Unit I-IV / Ras al Khaima Unit I+II / Town Power Station / Adwea - Abu Dhabi - Umm Al Nar HRSG 21-25 / Adwea – Al Taweelah – A1 Unit 11-18 / Shuweihat S2 / Cement Al Buna-Fujeirah / Noora / Ras al Khaimah
UKRAINE	Nikolaev 5 – Alumina Plant / Podilsky Cement / OJSC-Doncement 3 - 8
USA	Nanusa I - IV / Modesto / Lehigh Union Bridge Cement
VENEZUELA	Sidor Matanzas / Midrex II
VIETNAM	Binhfa / Dong Nai / Cement-Thalofa / Petro Vietnam-Ca Mau
YEMEN	TPS Al Mukha

CONTACT

GERMANY

Albrecht-Automatik GmbH
Industriestraße 12
50259 Pulheim
GERMANY
Tel.: +49 2238 / 9 65 92-0
Fax: +49 2238 / 5 96 57
Mail: info@albrecht-automatik.de

BIH/HRV/MKD/MNE/SRB/SVN

Novamat
Johannesgasse 22
1010 Wien
AUSTRIA
Phone: +43 1 / 98 59 39 90
Fax: +43 1 / 98 59 39 922
Mail: offiice@novamat.at

CHINA

Arnold Insulation (Wujiang) Co., Ldt
No. 168 Yexin Road, Wujiang Economic &
Technological
Development Zone, Suzhou
215200 Jiangsu
CHINA
Phone: +86 / 51 26 30 32 880
Mail: info@arnoldgroup.cn

China-Germany Trade & Investment for small/
middle Co. - Consulting
Mister Li, Huabin
Zhu Jiang Lv Zhou Jia Yuan, Build No.6 Unite 1105
Beijing Jian Guo Road, No. 18
Chaoyang District
100024 Beijing
CHINA
Phone: +86 / 13 91 07 32 012
Mail: huabin-li@163.com

Xi'an XiangYuan Science & Technology Co. Ltd.
1/F Ministrant of A2, Standard factory
New industrial park, Hi-tech Zone
710119 Xi'an
CHINA
Phone: +86 29 / 88 88 20 45
Phone: +86 29 / 88 60 83 86
Fax: +86 29 / 96888 88882045
Mail: xiangyuanst@126.com

GREAT BRITAIN

Simpex Corporation (Europe) Ltd.
Unit7, The Lion Centre, Hanworth Trading Estate
Hampton Road West,
Hanworth, Middx, TW13 6DS
GREAT BRITAIN
Phone: +44 20 / 88 98 33 00
Fax: +44 20 / 88 98 33 55
Mail: purchase@simpexeurope.co.uk

HUNGARY

PIRO-LEVEL Bt.
Rákóczi u. 5
2440 Százhalombatta
HUNGARY
Phone: +36 20 / 92 52 654
Fax: +36 23 / 35 03 89
Mail: pirolevel@upcmail.hu

CONTACT

INDIA

Simpex Engineering(India) Pvt. Ltd
510 Windsor Plaza
R.C. Dutt Road, Alkapuri
Vadodara - 390 007
Gujarat
INDIA
Phone: +91 265 / 232 02 55
Phone: +91 265 / 232 02 73
Phone: +91 265 / 230 02 57
Fax: +91 265 / 232 02 56
Mail: purchase@simpexeurope.co.uk

INDONESIA

C.V. Semesta Kontrolindo
Komplek Balikpapan
Baru Blok W1 No.20
RI - 76121 Balikpapan, Kaltim
INDONESIA
Phone: +62 542 / 870 78 67
Fax: +62 542 / 870 78 67
Mail: semestakontrolindo@icloud.com
Mail: stevenbpn@me.com

NETHERLANDS

Energy Management Systems
Phoenixstraat 37
Postfach 3034
1801 GA Alkmaar
NETHERLANDS
Phone: +31 72 / 540 11 47
Fax: +31 72 / 540 09 92
Mail: info@EMSvalvesinstruments.com

PHILIPPINES

WEST POINT ENGINEERING SUPPLIES
West Point Bldg # 34
Bacood Street
Barangay Patubig
Marilao Bulacan 3019
PHILIPPINES
Phone: +63 44 / 248 33 01
Fax: +63 44 / 248 33 09
Mobile: +63 917 / 895 23 36
Mail: dennis.ziganay@westpointengineering.com.ph

SOUTH AFRICA

HEATON VALVES AFRICA PTY LTD
4 Asset Road, Hughes
Jet Park, Boksburg
Gauteng, SOUTH AFRICA
Phone: +27 11 / 418 4800
Fax: +27 11 / 826 3687
Web: www.heatonvalves.co.za

SOUTH AMERICA

Flame Combustion - Projetos e Equipamentos Ltda
Rua Ezequiel Freire, 192 - 2nd floor. Cj.206 -
Santana
ZipCode 02034-000 - São Paulo
SOUTH AMERICA
Phone: +55 11 / 2973 2261
Phone: +55 11 / 2283 3122
Mail: contato@flamebr.com
Web: www.flamebr.com

UNITED ARAB EMIRATES

PETRO ENGINEERING POWER SERVICES LLC
P.O. Box 49332 Dubai
Industrial City Free Zone
Warehouse L02
DUBAI, UNITED ARAB EMIRATES
Phone: +971 (0)4 / 4503520
Fax: +971 (0)4 / 4503521
Mail: info@pepsuae.com
Web: www.pepsuae.com

Albrecht-Automatik in Pulheim


ALBRECHT - AUTOMATIK
50259 Pulheim - Germany
Schnellschlußvorrichtung / Quick acting valve
CE 0035
Typ / type ASV / N
DN 25
PS 40
30
bar
2010
5S207 / 07
115
V
3 bar / 1
EN 264
nc
S
zulässiger Betriebsdruck / Temperatur
max. operation pressure / temperature
Baujahr und Hersteller-Nr.
year and number of manufacture
DIN-Reg.-Nr. / DIN-Reg.-No.

Albrecht-Automatik GmbH
Industriestraße
50259 Pulheim
Deutschland / Germany
Telefon/Telephone +49 2238-96592-0
Telefax +49 2238-59657
E-Mail: info@albrecht-automatik.de

www.albrecht-automatik.de