

# 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.

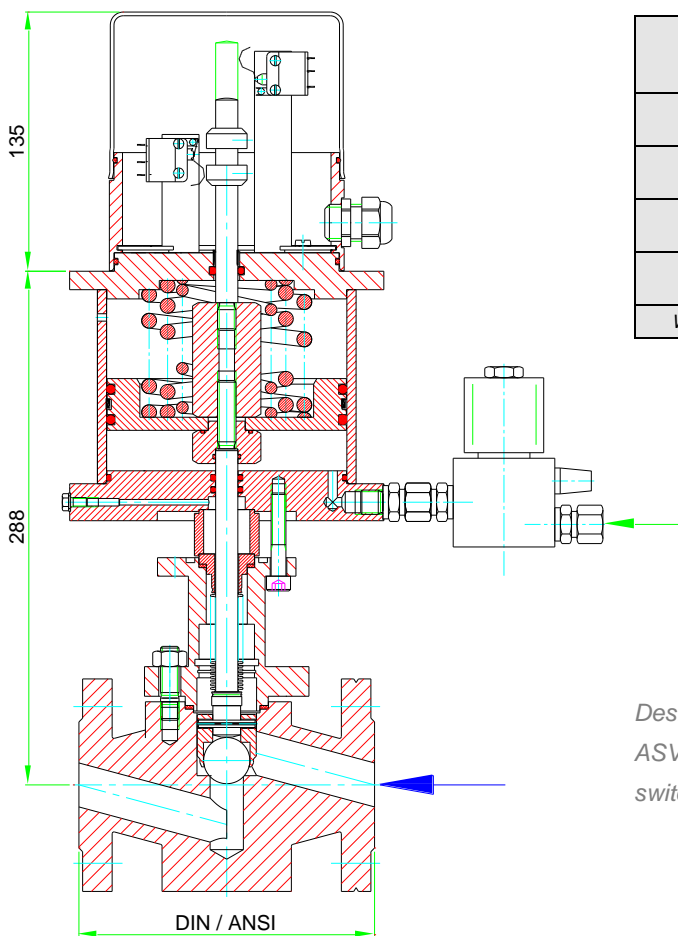
If the auxiliary power source fails, the safety quick shut-off valves are closed through spring force. Closing time is less than 1 second.

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); A105, A216 WCB
- ANSI	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.

	<b>DIN</b>	<b>ANSI</b>
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



DN	Length, face-to-face (mm)		Weight (kg)
	DIN PN10-40	ANSI 300lbs	DIN PN10-40
15	130	152	18
20	150	178	20
25	160	203	21

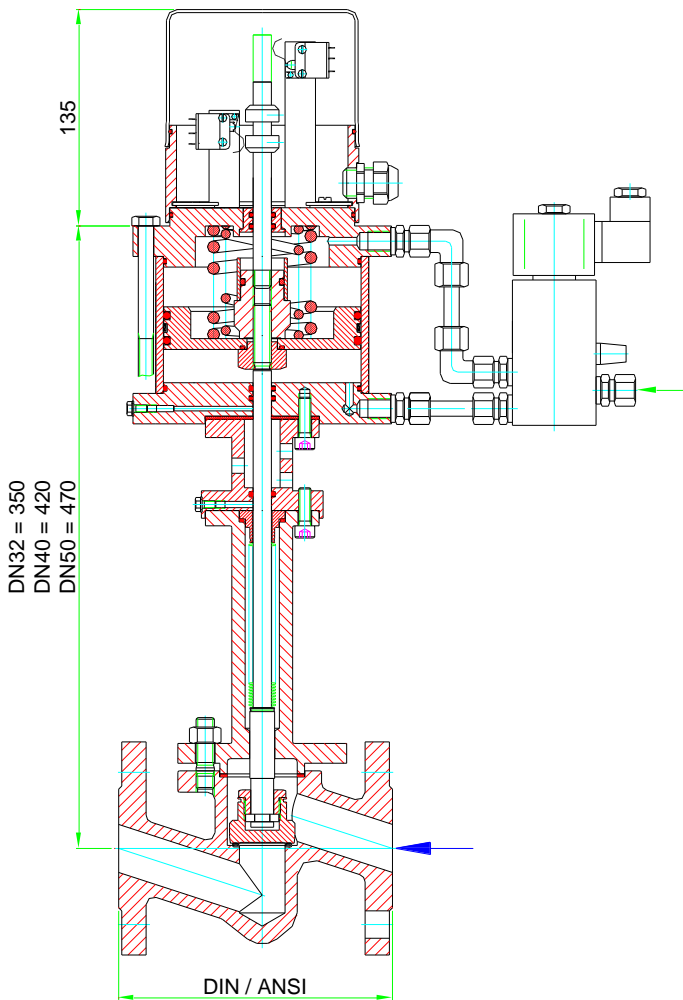
*Weight figures for the ASV/K variant without attachments*

*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 metallic sealing poppet valve in small design with cooling part.

	<b>DIN</b>	<b>ANSI</b>
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



DN	Length, face-to-face (mm)		Weight (kg)
	DIN PN40	ANSI 300lbs	
32	180	-	28
40	200	229	30
50	230	267	31

*Weight data for variant KVAZ without attachments*

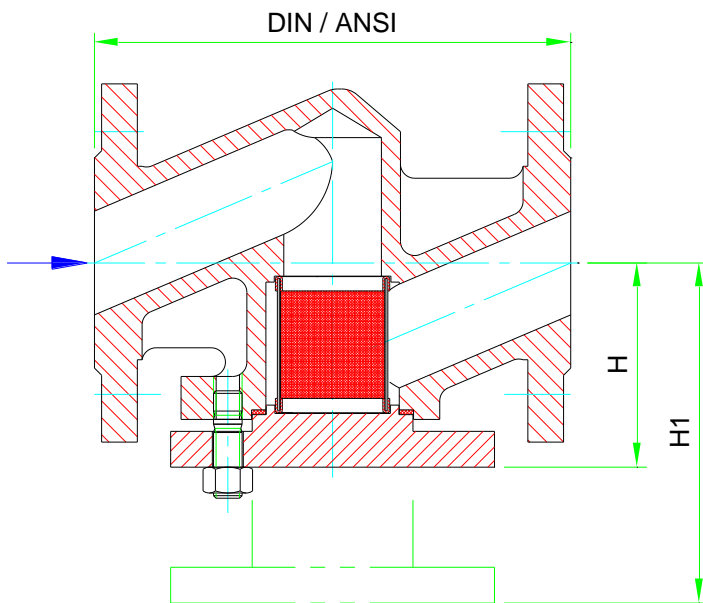
**Note:**  
Control via 5/2-way solenoid valve due to increased inner tightness

*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