



TDS valve

H-ASV2-0, H-ASV2-1 und H-ASV2-2

Application and function

Continuous evaporation in the steam boiler increases the salt content of the water. This can contribute to the formation of sediment and boiler scale and thus affect the efficiency of the system. The drain valve is therefore used to continuously and automatically remove salt-enriched water.

The increased conductivity resulting from a higher salt content of the water is detected by a conductivity probe. The downstream conductivity limiter sends a corresponding signal to the actuator, which controls the continuous blowdown valve and thus regulates the amount of water to be drained.

Technical basic equipment

- Globe valve, with sampling valve or with 12 mm cutting ring fitting
- Automatic self-calibration during commissioning
- Wear-free position measuring system (Hall sensor)
- External signalling signal possible for manual adjustment
- Fault detection in continuous operation (in case of blockage due to external influence)
- Cover can be fitted in 4 positions, 90° latching, no screws required
- Safety position when switching a binary signal (frost protection)
- Actuator with protective insulation at 230 VAC
- Valve body made of cast steel GS-C25N
- Spindle sealing through graphite packing
- Inner trim, needle cone and screw seat made of hardened stainless steel



TDS valve H-ASV2-1

Optional versions

- Special voltage: 24 VDC or 115 VAC
- Protection class IP65

Technical data

Operating limits valve body	perm. pressure [PS]	perm. temperature [TS]
	32 bar 464 psig	239 °C 462 °F

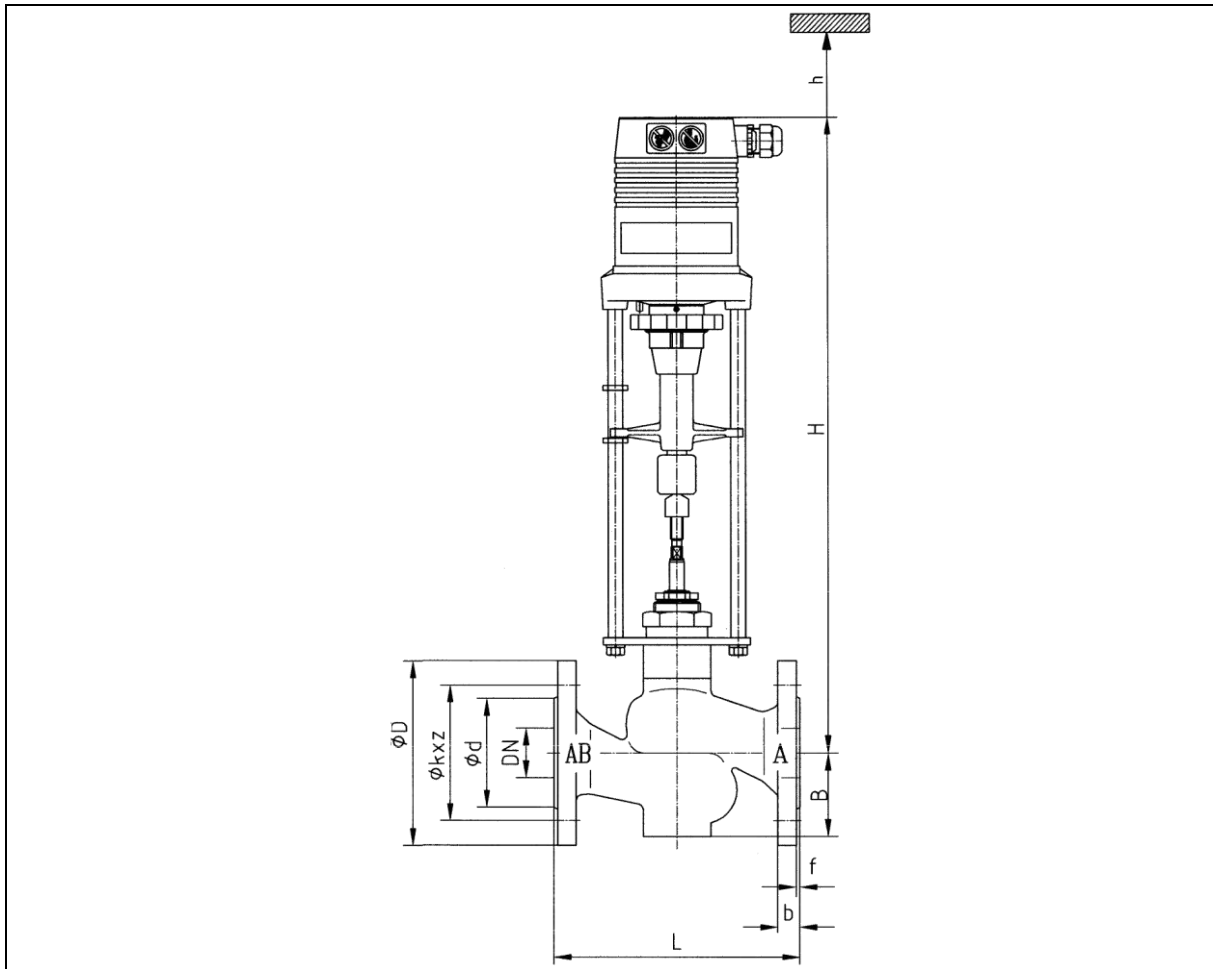
Valve body

Nominal diameter [DN]	15	20	25
Leakage rate	≤ 0,01% from kvs value		
kvs-value	0,16 - 2,5		

Actuator MC163

Voltage [VAC]	230 +6%/-10%	
Frequency [Hz]	50/60 ± 5%	
Actuating force [kN]	1,3	
Setting time [s/mm]	Adjustable on site; 4, 6	
Hub [mm]	max. 30	
Power consumption [VA]	max. 14	
Operating mode	S3-50% ED c/h 1200 nach EN 60034-1	
Protection type	IP54 according to EN 60529	
Ambient temperature	[°C]	$0 < T_{amb} < +50$
	[°F]	$32 < T_{amb} < 122$
Weight [kg]	~ 2,4	

Dimensions and sizes



An H-ASV2-0 is shown as an example.

		DN15		DN20		DN25	
		[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
Length	[L]	130	5 1/8	150	6	160	6 2/7
Height of the connection	[H]	~437	17 1/5	~437	17 1/5	~437	17 1/5
Flange diameter	[ØD]	95	3 3/4	105	4 1/7	115	4 1/2
Pitch Circle Diameter	[Øk]	65	2 5/9	75	3	85	3 1/3
PCD-Definition	z	4xØ14	4xØ5/9	4xØ14	4xØ5/9	4xØ14	4xØ5/9
Connection diameter	[Ød]	45	1 7/9	58	2 2/7	68	2 2/3
Flange thickness	[b]	14	5/9	16	5/8	16	5/8
Distance height	[h]	200	7 7/8	200	7 7/8	200	7 7/8
Hub		20	4/5	20	4/5	20	4/5

Basic equipment

The TDS valves are equipped either without a drain connection (type H-ASV2-0), with a drain valve for sampling (type H-ASV2-1) or with a cutting ring fitting for connecting a sampling line (type H-ASV2-2).



TDS valve AV250 (Type H-ASV-2-1)

Digital documentation



Direct download



Product page on the Internet

Igema GmbH

Antwerpener Str. 1
48163 Muenster
Germany

www.igema.com

Telephone: +49 2501 924 24 0
Telefax: +49 2501 924 24 99
info@igema.com

