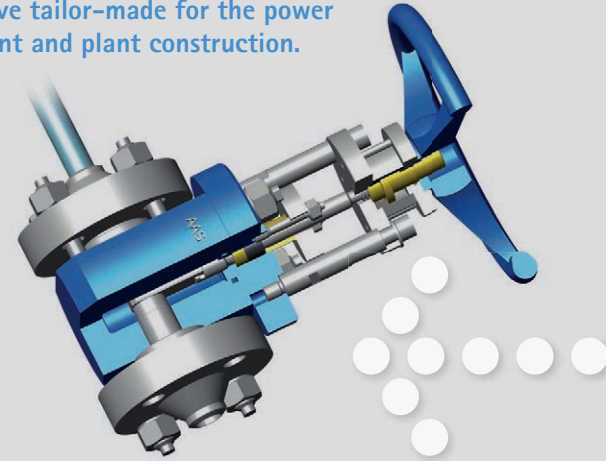


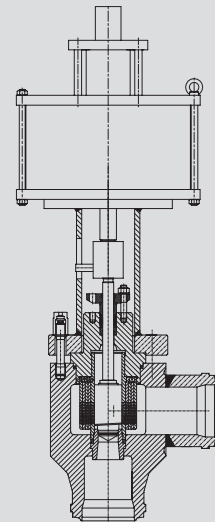


CERTIFICATIONS
DIN ISO 9001
DIN ISO 14001
SCC**
WHG
KTA 1401
DIN ISO 45001
DGRL 2014/68/eu

Our goal is to provide every required valve tailor-made for the power plant and plant construction.



Minimum Flow Valve Type AMV



Isolation Valves

- High Pressure Gate Valve
- High Pressure Swing check Valve
- Preheater Protection Valves

Control Valves

- Water Control Valve
- Minimum Flow Valve
- Steam Control Valve
- Steam Conditioning Valve

Special Valves

- Water Injection Control Valve
- Start-Up Valve
- Discharge Valve
- Drain Valve
- Piston Check Valve
- Three Way Valve
- Recirculation Valve
- Steam Strainer
- Strainer
- Self-Sealing Closure
- Special Valves on request

Available for all pressures and temperatures in power plants and plant engineering

aas

gmbh
armaturen
anlagen service

Headquarters
Mercatorstr. 36a | 46485 Wesel/Germany
T +49 (0)281 206980-0

Sales Office
Krotzenburger Str. 21 | 63796 Kahl am Main
T +49 (0)6188 9142 770
info@asgmbh.de | www.asgmbh.de

Media

Water

Pipe size

DN 25 – 300 / 1" – 12"

Temperature

up to +300°C

Body material

1.0460	(P250GH)	A105
1.5415	(16Mo3)	A182F1
1.7335	(13CrMo4-5)	A182F12
1.6368	(15NiCuMoNb5)	WB36

Additional materials on request

Type of actuation

- Hydraulic
- Elektric
- Pneumatic
- Own medium steered

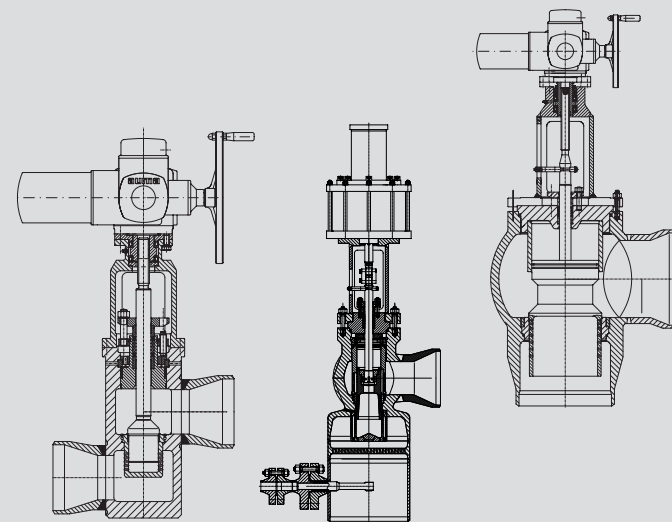
Body design

Globe
Angle
Z-design

Pipe connection

Butt welding end or flanged

Steam Control Valve Type ADRV



Media

Steam

Pipe size

DN 25 – 500

Temperature

up to +650°C

Body material

1.5415	(16Mo3)	A182F1
1.7335	(13CrMo4-5)	A182F12
1.7383	(11CrMo9-10)	A182F22
1.4903	(X10CrMoVNb91)	A182F91
1.4901	(X10CrWMoVNb92)	A182F92

Additional materials on request

Type of actuation

- Hydraulic
- Elektric
- Pneumatic
- Hand wheel

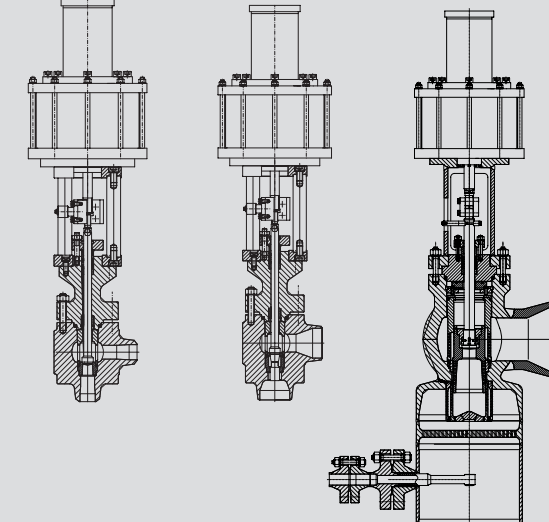
Body design

Globe
Angle
Z-desin

Pipe connection

Butt welding end or flanged

Steam Conditioning Valve Type ADUV HD/MD/ND Bypass



Media

Steam

Pipe size

DN 25 – 1500

Temperature

up to +650°C

Body material

1.5415	(16Mo3)	A182F1
1.7335	(13CrMo4-5)	A182F12
1.7383	(11CrMo9-10)	A182F22
1.4903	(X10CrMoVNb91)	A182F91
1.4901	(X10CrWMoVNb92)	A182F92

Additional materials on request

Type of actuation

- Hydraulic
- Elektric
- Pneumatic

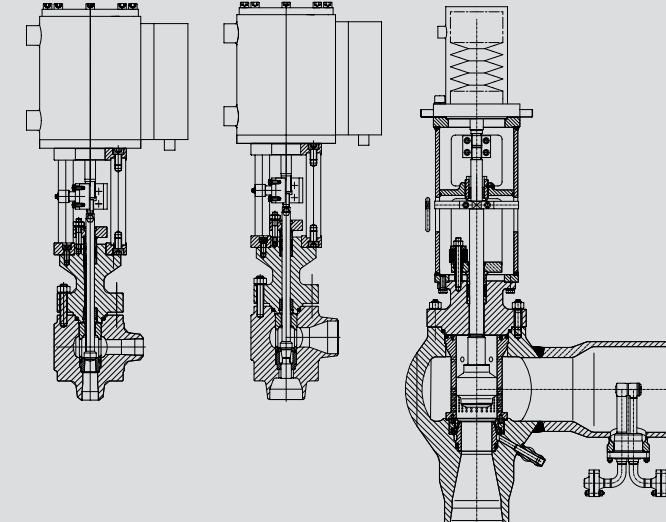
Body design

Angle
Z-design

Pipe connection

Butt welding end or flanged

Safety Overflow Valve Type SUEV and Special Valves



Media

Steam

Pipe size

DN 80 – 600

Temperature

up to +650°C

Body material

1.7335	(13CrMo4-5)	A182F12
1.7383	(11CrMo9-10)	A182F22
1.4903	(X10CrMoVNb91)	A182F91
1.4901	(X10CrWMoVNb92)	A182F92

Additional materials on request

Type of actuation

- Hydraulic
- Elektric
- Pneumatic

Body design

Angle

Pipe connection

Butt welding

Delivery program

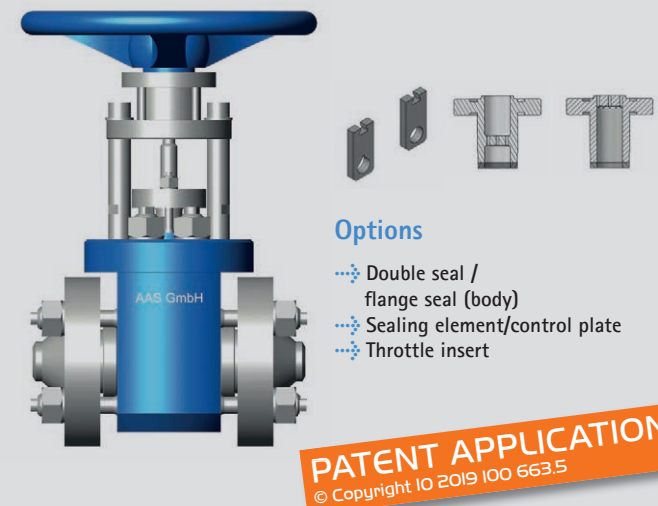


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High pressure shut-off, drainage
and control valve in straight form
Type ARED-V



Options

- Double seal / flange seal (body)
- Sealing element/control plate
- Throttle insert

Main application

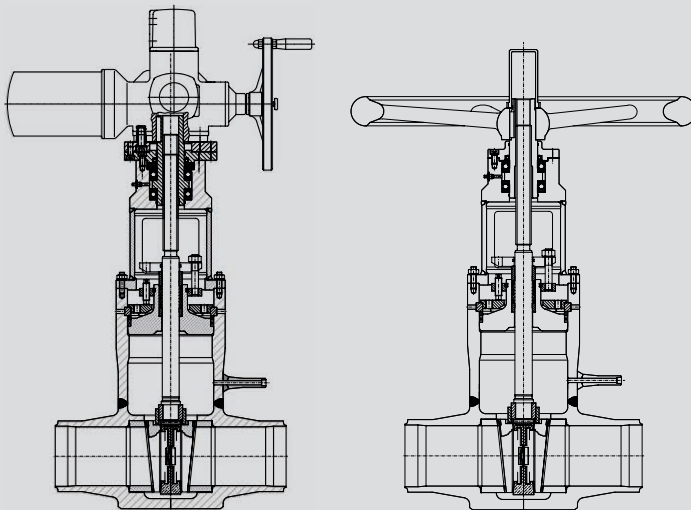
- Conventional power plants
- Process engineering
- Boiler feed/ Boiler drainage
- Chemical Industry
- Petrochemical Industry
- Pulp and paper industry
- Sugar industry
- Descaling plant

Media

- Water
- Steam
- Other non-aggressive media such as oil and gas on request



High Pressure Gate Valve
Type AKS /APS



Media

Water, steam, gas, oil and other aggressive and non-aggressive media.

Pipe size

DN 25– 550

Temperature

up to +650°C

Body material

1.0460	(P250GH)	A105
1.5415	(16Mo3)	A182F1
1.7335	(13CrMo4-5)	A182F12
1.7383	(11CrMo9-10)	A182F22
1.4903	(X10CrMoVNb91)	A182F91
1.4901	(X10CrWMoVNb92)	A182F92
1.6368	(15NiCuMoNb5)	WB36

Additional materials on request

Type of actuation

- Hydraulic
- Pneumatic
- Elektric
- Hand wheel
- Gear box

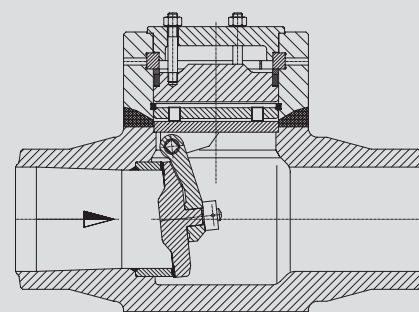
Body design

Globe

Pipe connection

Butt welding end or flanged

High Pressure Swing Check Valve
Type ARK



Media

Water, steam, gas, oil and other aggressive and non-aggressive media.

Pipe size

DN 25– 550

Temperature

up to +650°C

Body material

1.0460	(P250GH)	A105
1.5415	(16Mo3)	A182F1
1.7335	(13CrMo4-5)	A182F12
1.7383	(11CrMo9-10)	A182F22
1.4903	(X10CrMoVNb91)	A182F91
1.4901	(X10CrWMoVNb92)	A182F92
1.6368	(15NiCuMoNb5)	WB36

Additional materials on request

Type of actuation

- Own medium steered
- Pneumatic
- Hydraulic

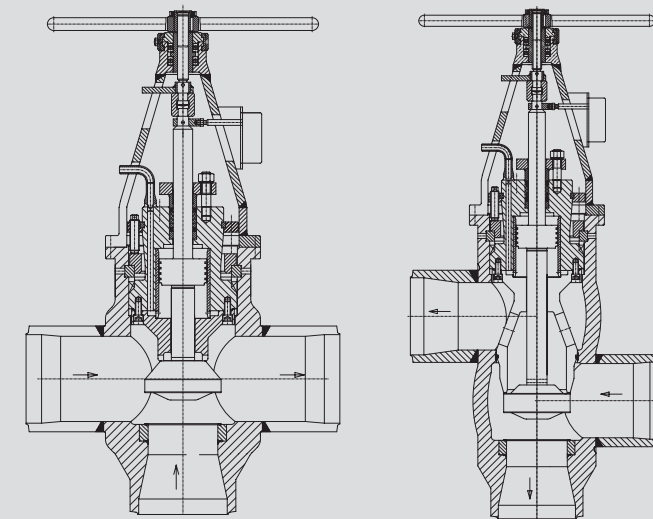
Body design

Globe

Pipe connection

Butt welding end or flanged

Preheater Protection Valves
Type ASV/AUV Change over valve
and Quick closing Valve



Media

Water

Pipe size

DN 50 – 500 / 2" – 20"

Temperature

up to +400°C

Body material

1.0460	(P250GH)	A105
1.5415	(16Mo3)	A182F1
1.7335	(13CrMo4-5)	A182F12
1.6368	(15NiCuMoNb5)	WB36

Additional materials on request

Type of actuation

- Own medium steered
- Pneumatic
- Hydraulic
- Elektric

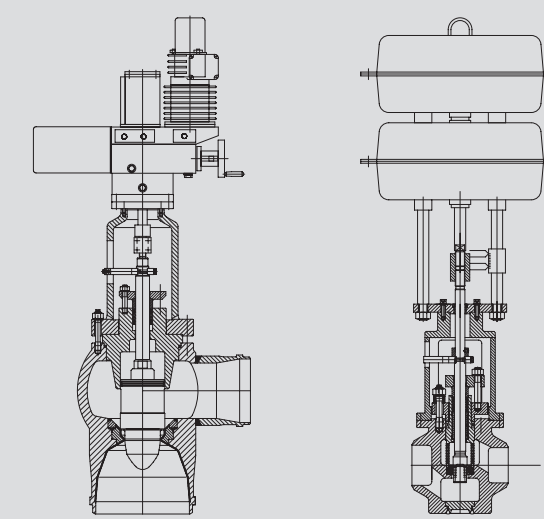
Body design

3-Way/2-Way

Pipe connection

Butt welding end or flanged

Water Control Valve
Type AWR



Media

Water

Pipe size

DN 25 – 500

Temperature

up to +400°C

Body material

1.0460	(P250GH)	A105
1.5415	(16Mo3)	A182F1
1.7335	(13CrMo4-5)	A182F12
1.6368	(15NiCuMoNb5)	WB36

Additional materials on request

Type of actuation

- Hydraulic
- Elektric
- Pneumatic
- Hand wheel

Body design

Globe
Angle
Z-design

Pipe connection

Butt welding end or flanged

High pressure shut-off, drainage
and control valve in straight form Type ARED-V
Wear-free valve

Modul

ARED-V 15-25 / DN 15-25, PN 250-500

ARED-V 32-50 / DN 32-50, PN 250-500

ARED-V 15-25 / DN 15-25, PN 40-160

ARED-V 32-50 / DN 32-50, PN 40-160

Advantages of the valve

- Wear and pressure loss-free shut-off valve
- Increase of energy efficiency
- Significant increase in service life
- Greater availability of the production plant
- Larger maintenance intervals
- Considerably shorter assembly time when replacing the valve
- Modular design / four assemblies for all valves
- Seat rings exchangeable
- Seat rings hardfaced by Laser
- sealing element made of stellite 6
- Easy conversion to drives

Operating data

Parameter	Value
Nominal pressure	PN 250-500
Nominal pressure 1)	PN 40-160
Nominal diameters	DN 10-65
Max. allowable pressure	500 bar
Max. allowable pressure 1)	160 bar
Min. allowable temperature	-10 °C
Max. allowable temperature	+ 650 °C

Overview of available materials

	Material number	Temperature limit
C 22.8	1.0460	≤ 480 °C
16Mo3	1.5415	≤ 530 °C
15NiCuMoNb5	1.6368	≤ 450 °C
13 CrMo45	1.7335	≤ 550 °C
10CrMo910	1.7380	≤ 580 °C
X20CrMoV121	1.4922	≤ 650 °C
X10CrMoVNb9.1	1.4903	≤ 650 °C
X10CrWMoVNb9.2	1.4905	≤ 650 °C
X3CrNiMoBN 17 13 3	1.4910	≤ 650 °C

or on request.