YOUR STRONG PARTNER
FOR INDUSTRIAL VALVES ACC. TO ANSI

Your valve made by ARI®
ari-armaturen.com

STEVI® PRO

The high-performance control valve – for professional control and critical applications

STEVI® Pro

- High control accuracy (optimised flow paths and characteristic quality)
- Maximum Kvs value can be reduced in five steps
- Various stem seal options (PTFE V-ring unit, PTFE packing, graphite packing, stainless steel bellows, EPDM sealing) and changeable trim (optionally also multi-stage)
- With blow-out proof stem, shaft guided plug and optional two-ply bellows seal
- Long life: precision stem guiding
- For critical operating conditions and a wide range of applications (very high differential pressures up to max. nominal pressure)

Nominal diameter: NPS 1" to 8"

Nominal pressure: ANSI Class 150 / 300 / 600

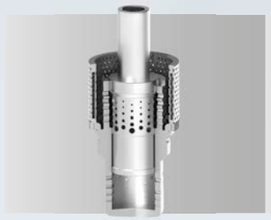
Plug design: Parabolic plug, optional: V-port or perforated plug (option of pressure balancing in each case)

Actuators: Electric or pneumatic

Body materials: SA216WCB

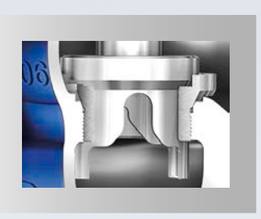
Types of connection: Flanged, butt weld ends

Flow media: e.g. hot water, saturated steam, superheated steam, gas, refrigerant, brine, etc.



The three-stage perforated plug is the ideal trim whenever compressible media such as gases or vapours are involved.

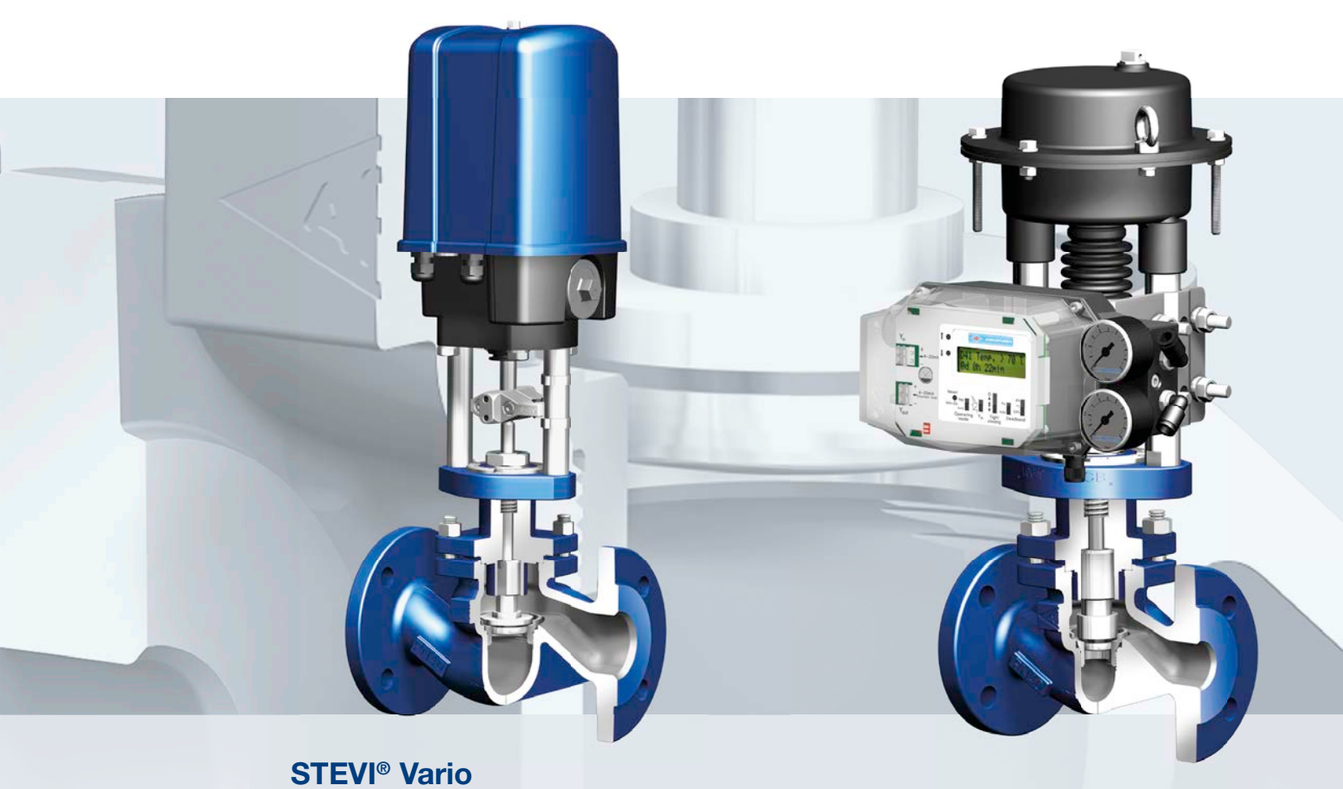
Safe even under demanding conditions (blow-out proof stem / shaft guided plug).



High performance due to double guiding (V-port and perforated plugs).

STEVI® VARIO

The variable, compact control valve



STEVI® Vario

- Stem seals already proven millions of times over, service life now further extended (PTFE V-ring sealing units and EPDM linings), optimised stainless steel bellows seal
- Optimal handling: actuators can be rotated 360°
- Changeable, variable trim (at least 4 Kvs values as well as multiple characteristics and plug designs)
- Vibration is prevented even at high differential pressures (stable shaft guiding)
- Small footprint and reduced weight (low height)
- Very low air consumption (smaller pneumatic actuators possible)

Nominal diameter: NPS ½" to 4"

Nominal pressure: ANSI Class 150

Plug design: Parabolic plug / perforated plug

Actuators: Electric or pneumatic

Body materials: SA216WCB, SA351CF8M

Types of connection: Flanged

Flow media: e.g. warm water, hot water, saturated steam, gas, coolant, brine, refrigerant, thermal oil

Clearly visible, optional LED status indicator and fieldbus interface, e.g. for Profibus DP and Modbus.

Parabolic plug – high control performance combined with excellent resistance to dirt.

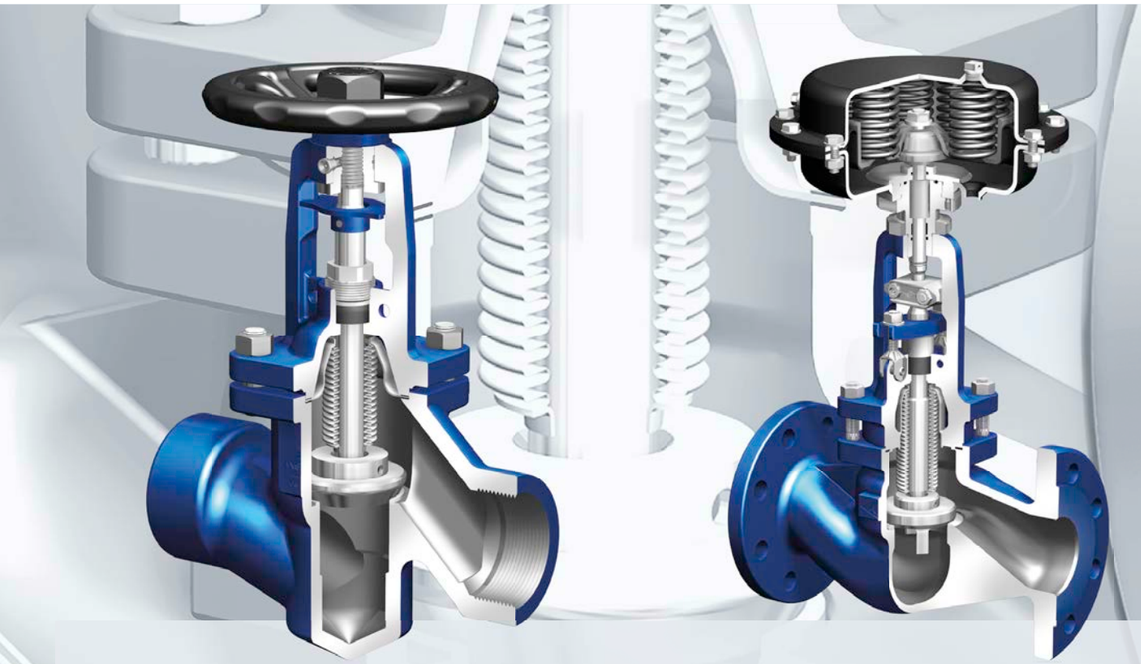
The optional manual override provides added safety. The valve can still be operated even if the supply air fails.

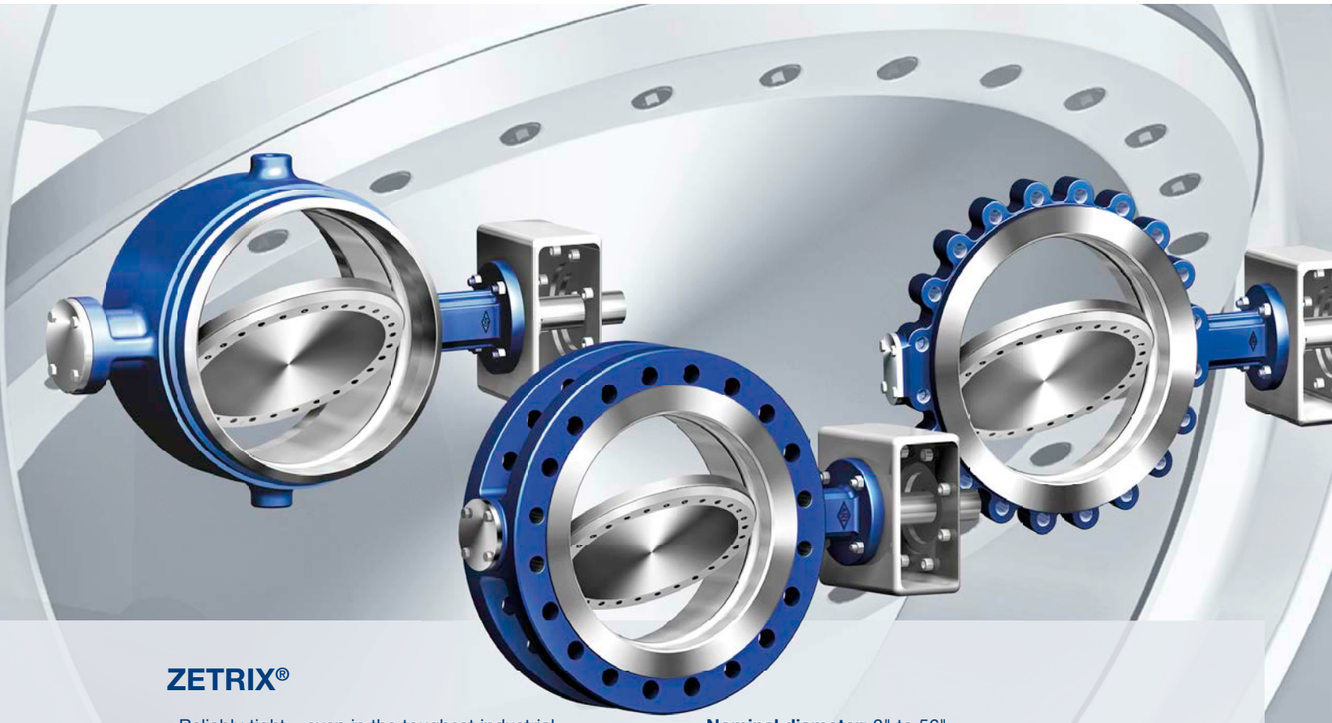
FABA®

Bellows sealed valve – profit from our 100% tight shut-off technology!

ZETRIX®

The triple offset, metal-sealing butterfly valve for challenging applications





FABA®

- Reliable sealing due to “cut effect” (the conical design of the marginal seat causes debris to be “cut off” when the valve closes)
- Metal plug / seat design (conical plug made of hardened stainless steel)
- All FABA® valves have a multi-walled bellows structure and a conical plug with a marginal seat as standard, resulting in line contact sealing on the seat and hence optimal tightness even with critical media as well as a longer service life
- Special stem with fine thread (increased seat pressure)
- Tested tightness: Final test with air for all valves (acc. to API 598), helium test guarantees that no leakage can occur through the bellows

FABA® Plus for all standard applications

FABA® Supra I – with chambered bellows – for demanding industrial applications

FABA® Supra C – with medium-flushed bellows – for the chemical industry

Nominal diameter: NPS 1/2" to 10"

Nominal pressure: ANSI Class 150 / 300

Body materials: SA216WCB, SA105

Types of connection: Flanged, screwed sockets, socket weld ends, butt weld ends

Flow media: e.g. steam, gas, hot water, thermal oil, process water, ammonia

FABA® Plus for all standard applications.

FABA® Supra I for all industrial applications.

FABA® Supra C for the chemical industry.

Durable – extra-long, modified, pressure resistant bellows design (positioned outside the medium).

ZETRIX®

- Reliably tight – even in the toughest industrial environments
- Triple offset disc design (maximum closing force with minimum effort)
- “Smart” sealing ring (uniform closing force, the ring is self-aligning and free-floating on the sealing surface)
- Maintenance-free stellited seat (Stellite™ 21) as standard
- Metal seal principle
- Rotary movement without wear or friction (seat and sealing ring) due to optimised contact angles
- Hardened stainless steel bearings

Nominal diameter: 3" to 56"

Nominal pressure: ANSI Class 150 / 300 / 600

Design: ASME B16.34, API 609

Types of connection: Double flanged, fully lugged ASME B16.4 / B16.47, butt weld ends ASME B16.25

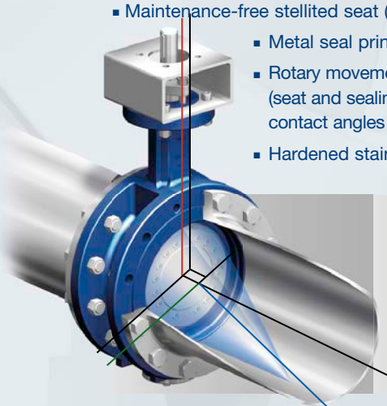
Face to face: ISO 5752, API 609 (double flange)

Materials: SA216WCB, SA351CF8M, SA217WC6 (+550°C)

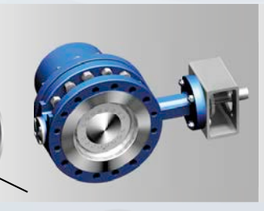
Temperature: -60°C to +550°C

Flow media: e.g. liquids, gases, steam

Approvals: Firesafe acc. to API 607, ISO 15848-1, SIL, ATEX



The triple offset design of the process valve guarantees a frictionless rotary movement as well as permanent tightness due to the metal seal principle.

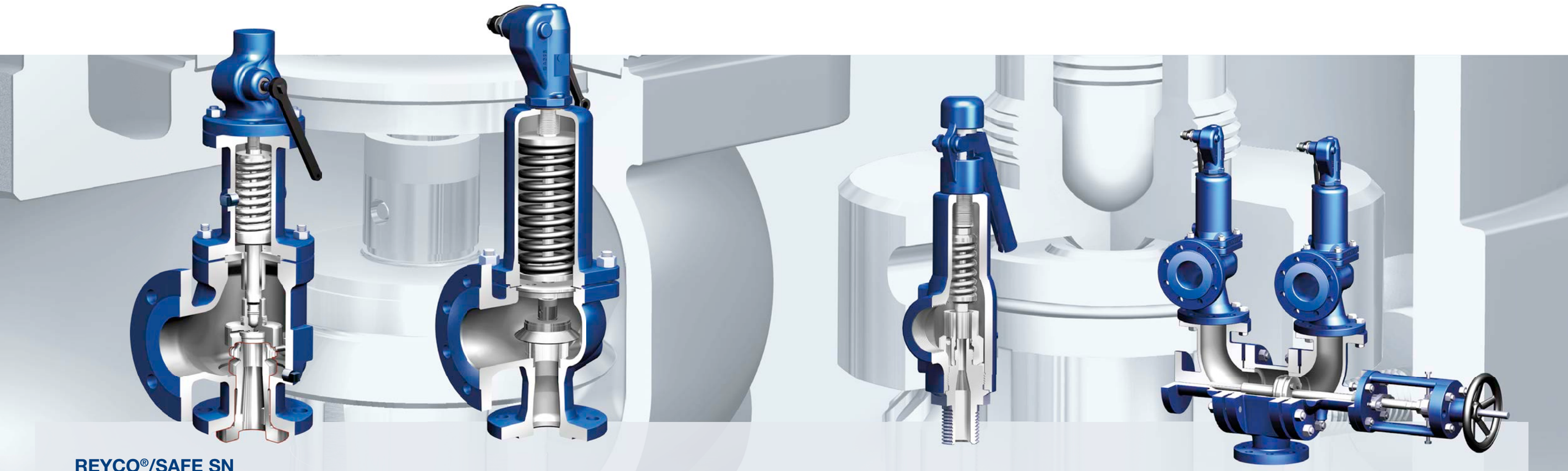


ZETRIX® is extremely versatile. It can be used as a pipe-end valve on both sides (accident prevention regulations must be observed). The bracket for mounting the actuator is defined according to ISO 5211.

Double block & bleed (DBB) provides safe double blocking with the void monitored and optional pressure relief to atmosphere.

REYCO®/SAFE SN

Safety valves – complete range acc. to API 526: accurate response, reversible disc, optimal disc alignment – up to 6000 psi (414 bar)!



REYCO®/SAFE SN

- Precise repeatability of the set pressure
- Optimal nozzle / body alignment
- Protection against crevice corrosion due to gas-tight nozzle thread
- Backpressure-compensating, corrosion-resistant bellows made of Inconel 625
- Reversible disc (double-sided sealing system)
- Highly reliable due to optimal alignment of the disc on the seat (two-piece stem)
- Wide range of applications due to standardised O-ring soft sealing disc and easy-to-change disc sealing surface
- For high-performance use, oil and gas processing
- In combination with a changeover valve, no plant shutdown is needed for servicing, so that maintenance costs are reduced to a minimum

Nominal diameter: NPS 1/2" to 8"

Nominal pressure: ANSI Class 150 to 2500

Set pressure: 15 to 6000 psi (414 bar)

ASME materials / temperatures:

SA216WCC / -20°F to +800°F (-29°C to +427°C)

SA217WC6 / -20°F to +1000°F (-29°C to +538°C)

SA352LCC /-51°F to +653°F (-46°C to +345°C)

SA351CF8M / -321°F to +1000°F (-196°C to +538°C)

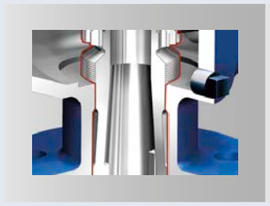
Special materials: Monel, Duplex, Super Duplex – Hastelloy and other materials on request

Flow media: e.g. steam, hydrogen, ammonia, hydrocarbon gases, chemical substances, neutral gases, vapours and liquids

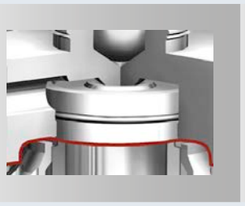
Requirements: ASME Code Section XIII Div. 1, API 526

Construction: Closed bonnet, open bonnet, with / without lifting mechanism (gas-tight)

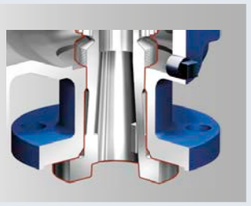
Features: Inconel bellows (REYCO®), stainless steel bellows, soft sealing disc, rupture disc, changeover valve, proximity switch, heating jacket



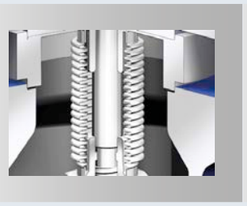
The top-threaded nozzle design allows particularly easy servicing.



Both sealing surfaces of the disc are lapped. Simply reverse the disc in order to use the “back”.



Our nozzles are available in various materials depending on each customer’s wishes and requirements.



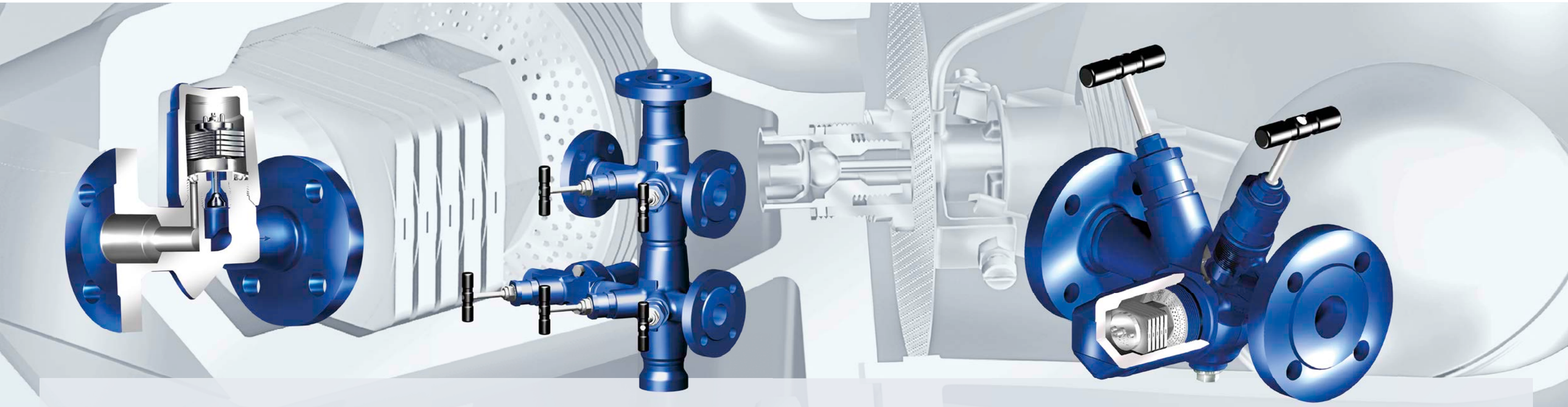
Bellows seal available as a retrofit option, made from Inconel 625 as standard.

Several possible options up to ANSI Class 2500. Butt weld ends or socket weld ends are optionally available in addition to flanged designs.

Combination with a rupture disc – zero leakage allows the use of media which tend to harden or become sticky in contact with the atmosphere. Protects the valve against corrosion.

CONA®

Steam traps – Energy efficient for even better economy!



CONA® S/SC – Ball float steam trap

- For extreme fluctuations of pressure and volume – instant discharge with no temperature loss

CONA® TD – Thermodynamic steam trap

- For discharge of condensate close to saturation temperature. Small, practical, insensitive to ambient conditions

CONA® B – Bimetallic steam trap

- For condensate drainage in steam systems. Option of targeted condensate sub-cooling for high energy utilisation and minimisation of flash steam (due to banking up of condensate)

CONA® M – Thermostatic steam trap

- Option of drainage in steam systems. Targeted condensate sub-cooling for high energy utilisation and minimisation of flash steam (due to sub-cooling and banking up of condensate)

CONA® All-in-One

- Compact condensate discharge in a multi-valving system. Integrated system comprised of a steam trap, stop valve, strainer, check valve and drain valve

CONA® Universal Connector

- For thermostatic, thermodynamic and mechanical trap functions. Optionally with integral stop valves

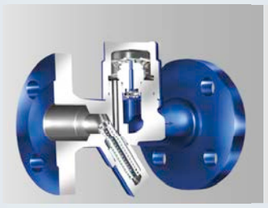
Nominal diameter:
CONA® S/SC: ½" to 4"
CONA® TD: 3/8" to 1"
CONA® B: ½" to 2"
CONA® M: ½" to 2"
CONA® All-in-One: ½" to 1"

Nominal pressure:
CONA® S: ANSI Class 150 to 900
CONA® TD: ANSI Class 150 to 600
CONA® B: ANSI Class 150 to 2500
CONA® M: ANSI Class 150 to 300
CONA® All-In-One: ANSI Class 300

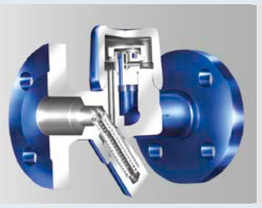
Body materials: SA105, SA182F321, SA182F12Cl.2, SA182F22CL3, SA182F91, A743CA40, SA182F6A, SA350LF2

Types of connection: Flanged, screwed sockets, socket weld ends, butt weld ends

Flow media: e.g. steam, condensate

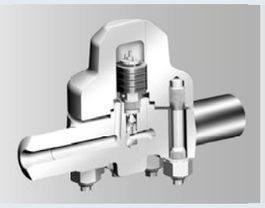


CONA® M thermostatic steam trap for drainage in steam systems.

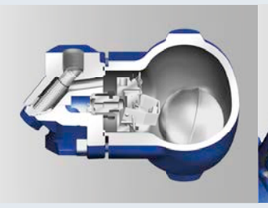


CONA® TD thermodynamic steam trap for discharge of condensate close to saturation temperature.

CONA® S/SC ball float steam trap for extreme fluctuations of pressure and volume – instant discharge with no temperature loss.



CONA® B ANSI Class 2500, body material SA182 F91, for high pressure and high temperature applications > 600 °C.



CONA® SC ANSI Class 300 with outside strainer (Y). Compact and lightweight due to the slim design.

Bellows seal type on request.

CERTIFIED QUALITY

acc. to ANSI/ASME!

CERTIFICATE OF AUTHORIZATION

UV

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

ARI-Armaturen Albert Richter GmbH & Co. KG
Mergelheide 56-60
Schloss Holte-Stukenbrock D33758
Germany

SCOPE:

Manufacture of pressure vessel pressure relief valves at the above location only

AUTHORIZED: **September 20, 2021**
EXPIRES: **September 20, 2024**
CERTIFICATE NUMBER: **32885**

Board Chair, Conformity Assessment

Managing Director, Conformity Assessment

The American Society of Mechanical Engineers

THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS

Certificate of Authorization

VR

This is to certify that

ARI-Armaturen Albert Richter GmbH & Co. KG
Mergelheide 56-60
Schloss Holte-Stukenbrock 33758
Germany
Acceptable Abbreviation: ARI

is authorized to use the VR Symbol in accordance with the provisions of the National Board Inspection Code and NB-514, Accreditation of "VR" Repair Organizations.

The scope of this Authorization is limited to:

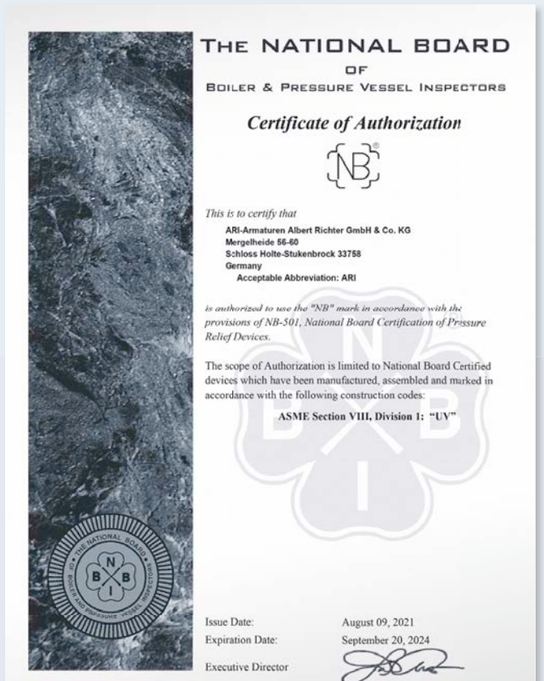
Location	VR Special Processes/Provisions
Shop	Machining NB-514, 4.0 Repairs by Manufacturer

ASME Code Section	Test Media
VIII Div. 1	Air/Gas, Liquid, Steam

Certificate Number: 1412

Issue Date: August 09, 2021
Expiration Date: July 02, 2024

Executive Director



THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS

Certificate of Authorization

NB

This is to certify that

ARI-Armaturen Albert Richter GmbH & Co. KG
Mergelheide 56-60
Schloss Holte-Stukenbrock 33758
Germany
Acceptable Abbreviation: ARI

is authorized to use the "NB" mark in accordance with the provisions of NB-501, National Board Certification of Pressure Relief Devices.

The scope of Authorization is limited to National Board Certified devices which have been manufactured, assembled and marked in accordance with the following construction codes:

ASME Section VIII, Division 1: "UV"

Issue Date: August 09, 2021
Expiration Date: September 20, 2024

Executive Director

All our products undergo rigid in-process controls in accordance with DIN EN ISO 9001 and the specifications of the National Board (NB) – as certified by our ARI Quality Management.

ARI DIGITAL SERVICES

The **myValve®** sizing program

myARI – Your service and information portal

The **ARI-ID** – Digital product information

myValve®

SIZING PROGRAM

All calculations for your ARI valves are now possible using the online version of the myValve® sizing program without having to install the software.

- Product selection with order information, spare parts drawings, operating instructions, data sheets, etc.
- Characteristics and pressure / temperature diagrams of your online data

myARI

YOUR SERVICE AND INFORMATION PORTAL

The new myARI portal is a modern service and information channel which you can access 24/7 regardless of whether ARI is open or not.
It provides you with a quick, easy and convenient way to check your order or delivery status at any time of the day or night.
You can additionally use myARI to notify us of repairs, returns or complaints as well as to request spare parts directly.

ARI-ID

PRODUCT INFORMATION

- Integral part of each ARI valve
- Globally unique code that clearly identifies each ARI valve
- On-site scanning of the ARI ID with a smartphone saves time
- All product information and spare parts at a glance

ARI PRODUCT DIVERSITY

Control

Control valves
STEVI® Pro
(BR 422/462, 470/471)

STEVI® Vario
(BR 448/449)

STEVI® Smart (BR 423/463, 425/426, 440/441, 450/451)

Control without auxiliary power
PREDU® / PREDEX® / PRESO® / TEMPTROL®

Isolation

Process Valves
ZETRIX®
High Performance-Valves
ZEDOX®

Butterfly valves
ZESA®/GESA®/ZIVA®

Bellows sealed valves
FABA® Plus, FABA® Supra I/C

Stop valves with gland seal
STOBU®

Safety

Safety valves (DIN)
SAFE

Safety valves
SAFE TCP

Safety valves (API 526)
ARI-REYCO®

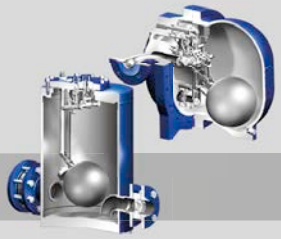
Safety valves (ANSI)
ARI-REYCO® RL-series

Steam trapping

Steam traps CONA®
(mechanical ball float / thermostatic bimetallic and membrane / thermodynamic), **monitoring systems**
CONA® Control

Manifolds
CODI® for collecting and diverting purpose

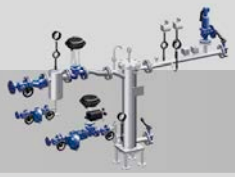
Steam traps with multi-valving technology CONA®
„All-in-One" (incl. stop valve, inside strainer, back-flow protection, drain valve)



Mechanical pump systems
CONLIFT®, CONA® P

Application technology

e.g. pressure reducing station
PREsys®



e.g. heat exchanger
ENCOsys®

e.g. condensate return system CORsys®

e.g. feedwater tank with deaerator dome

Edition 02/2024 - Data subject to alteration

Benefit from ARI's diverse range of valves.
Please don't hesitate to ask for more information!

Your valve made by ARI®
ari-armaturen.com