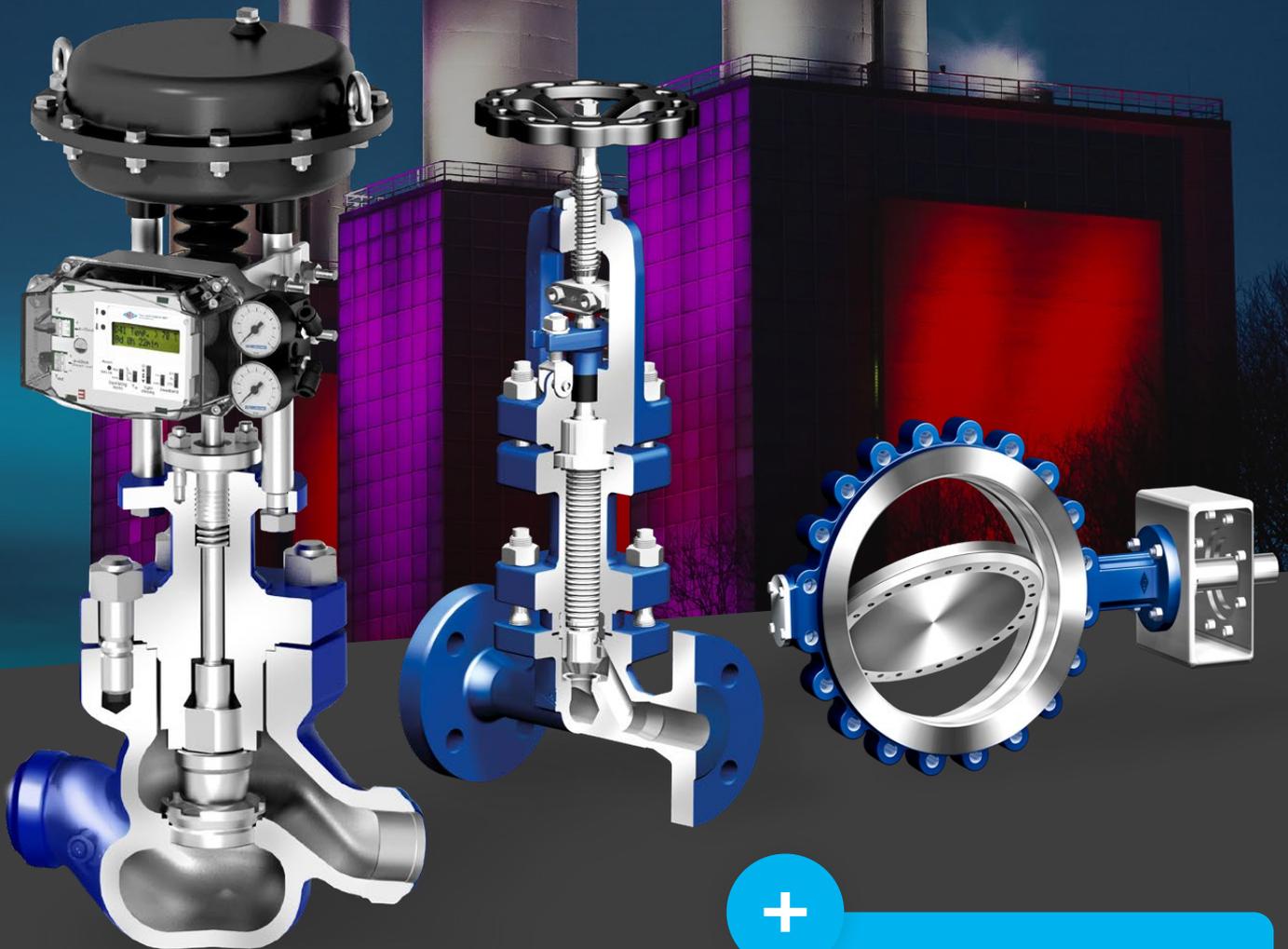




Your valve made by ARI®
ari-armaturen.com

SOLUTIONS FOR THE PRESSURE RANGE UP TO 160 BAR

ARI® VALVES FOR INDUSTRIAL APPLICATIONS



STEVI® Pro | ZETRIX® | FABAs® Supra
CONA® S/B | CHECKO® V | STOBU®
ARI® Strainers

STEVI® Pro

The high-performance control valve



Technical information

Plug design:

Parabolic plug, optional: V-port plug, perforated plug (multi-step), optional for each pressure reduction

Nominal diameters:

DN 25 – 150 / NPS 1" to 6"

Pressure ratings:

PN 63 – 160 / ANSI Class 600

Actuators:

Electric or pneumatic

Body materials:

1.0619+N, 1.4408, 1.7357, SA216WCB, SA217WC6, SA351CF8M

Flow media e.g:

Saturated steam, overheated steam, warm and hot water, gases, coolants, cooling brine, heat transfer oil, other media on request

Temperature range:

-10 °C to +530 °C

ZETRIX®

The premium process valve



Technical information

Nominal diameters:

Fully lugged: DN 80 – 400 / 3" to 16"
Butt weld ends: DN 80 – 300 / 3" to 12"

Pressure ratings:

PN 63, PN 100 / ANSI Class 600

Actuators:

Manual gearbox, pneumatic, electric or hydraulic drives

Body materials:

1.0619+N; SA216WCB, 1.4408; SA351CF8M

Flow media e.g:

Liquids, gases, vapours

Temperature range:

-60 °C to +450 °C

For professional control and critical applications

- ✓ Precision control even in demanding operating conditions thanks to its optimised flow paths and accurate characteristics
- ✓ Maximum flexibility for diverse operating conditions due to a range of available Kvs values
- ✓ Tailored resistance using versatile sealing options such as PTFE V-ring sealing unit, PTFE or graphite packing or EPDM sealing
- ✓ Easy to maintain and adjust due to replaceable inner trims for a long service life
- ✓ Greatly reduced noise emissions with optional multi-stage trim for sensitive application areas
- ✓ Increased safety from blow-out-proof stem for protection even under extreme operating conditions
- ✓ Stable performance even at high differential pressures thanks to shaft-guided plug
- ✓ Longevity in continuous operation thanks to precision guided stem even under high mechanical load
- ✓ Safe operation even under extreme process conditions



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



Can be customised for your process – variable inner trim from spindle to the plug to the seat-sealing ring.



A double-guided plug (V-port and perforated plug) ensures process safety and resistance to vibration.



Always in the correct position: The digital, electro-pneumatic positioner STEVI-POS®.

Reliably tight – even in harsh industrial environments!

The triple offset sealing principle of the ZETRIX® (the rotating shaft of the disc is offset both from the centre line of the disc seat, the body seal and from the pipe's centre line. The seat's axis of rotation is also asymmetrically disposed to the pipe axis.)

- ✓ Maximum closing force with minimum torque (triple offset disc design)
- ✓ "Smart" sealing ring (uniform closing force as the ring is self-aligning and free-floating on the sealing surface)
- ✓ With a wide range of additional safety options



Maximum closing force with minimum effort because the contact angles are optimised with our special geometry optimisation software.



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. The neck length allows insulation thicknesses in line with industrial standards.



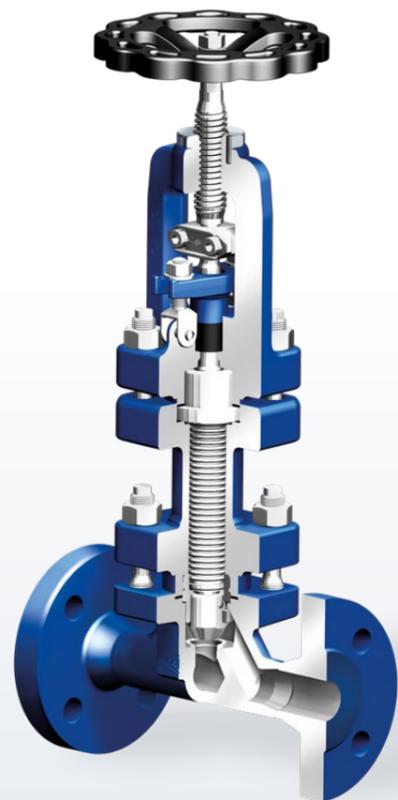
Double Block & Bleed (DBB) is a safe double block with intermediate monitoring and optional pressure relief to atmosphere.



Learn more about our ZETRIX® process valve.

FABA® Supra

The bellows sealed globe valve



Technical information

Plug design:

Conical valve seat,
optional pressure-balanced plug

Nominal diameters:

DN 10 – 100 / 3/8" to 4"

Pressure ratings:

PN 63 – 160 / ANSI Class 600

Actuators:

Electric or pneumatic

Body materials:

EN 1.0619+N, 1.0460, 1.7335,
1.7357, 1.5415

Flow media e.g.:

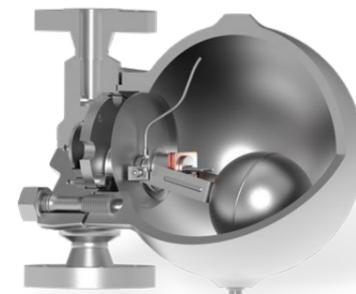
Warm and hot water, saturated steam,
overheated steam, gases, heat transfer oil,
additional media on request

Temperature range:

-10 °C to +530 °C

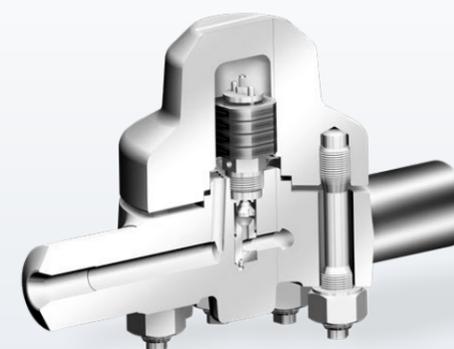
CONA® S

Ball float steam trap



CONA® B

Bimetallic steam trap



Technical information

CONA® S

Nominal diameters:

DN 15 – 100 / 1/2" to 4"

Pressure ratings:

PN 63 – 160 / ANSI Class 300 – 900

Body materials:

1.5415, 1.7335, 1.7357

Flow media:

Steam, compressed air and water-based
gases, other media on request

Temperature range:

-10 °C to +545 °C

CONA® B

Nominal diameters:

DN 15 – 50 / 1/2" to 2"

Pressure ratings:

PN 63 – 630 / ANSI Class 150 – 2500

Body materials:

1.5415, 1.7335, 1.7383, 1.4903, 1.4901

Flow media e.g.:

Saturated steam, superheated steam

Temperature range:

-10 °C to +630 °C

Maintenance-free globe valve with bellows seal

- ✓ Durable due to multi-walled bellows for at least 10,000 operating cycles
- ✓ Standard stem with back seal
- ✓ Double-chambered yoke gaskets
- ✓ Comb-profiled seals
- ✓ Stellite seat
- ✓ Secondary sealing: gland packing / gland follower with swing type eye bolts
- ✓ Guided plug



Suitable for demanding operating conditions due to the guided plug (gland in top section).



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



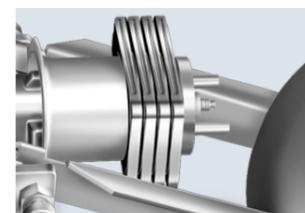
Bellow torsion protection from 2-part shaft.



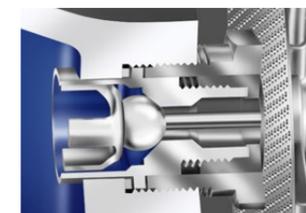
100 % leaktight. Line contact sealing of the conical valve seat.

Ball float steam trap for large pressure and volume fluctuations

- ✓ For instant discharge with no temperature loss
- ✓ To discharge boiling hot condensate
- ✓ Integrated non-return protection
- ✓ Integral automatic vent
- ✓ Exceptionally robust ball float
- ✓ In situ conversion from vertical to horizontal installation (or vice versa)
- ✓ The regulating element can be replaced without removing the housing from the piping



Rapid system start-up due to thermostatic control element (liquid drainage).



Powerful and economical thanks to integrated non-return protection as standard. You benefit by not needing an additional and otherwise essential check valve.



Precision regulation and longevity due to the profiled bimetallic discs.



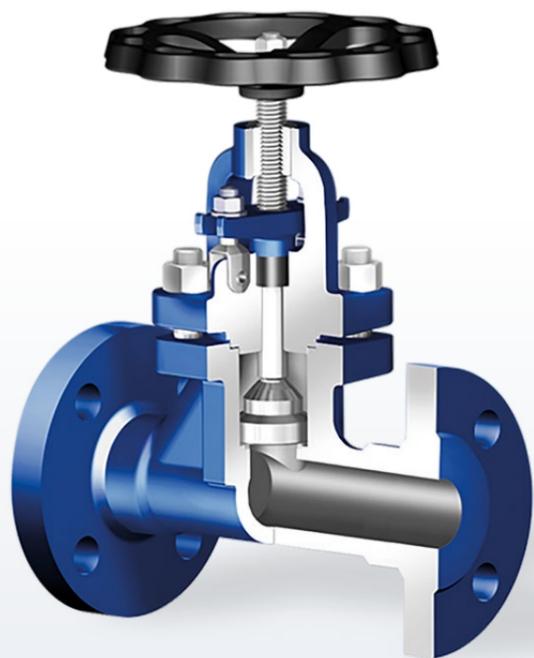
Robust and powerful due to its self-aligning bearings and combination valve.

Bimetallic steam trap to drain steam networks

- ✓ To discharge slightly to highly sub-cooled condensate
- ✓ Ideal regulation through a combination of stepped bimetallic discs, self-aligning bearings and combination valve
- ✓ Insensitive to dirt due to the shape of the bimetallic discs
- ✓ Gasket-free design that is easy to maintain thanks to its screwed cap (PN 63 / DN 15 – 25)
- ✓ Integrated non-return protection and strainer
- ✓ The regulating element can be replaced without removing the housing from the piping

STOBU®

Gland seal globe valve



Technical information

Plug design:

Throttling plug, loose plug with resetting spring, pressure-balanced plug

Nominal diameters:

DN 10 – 100 / 3/8" to 4"

Pressure ratings:

PN 63 – 160

Body materials:

1.0619+N, 1.0460, 1.7335, 1.7357, 1.5415

Flow media e.g:

Saturated steam, condensate, overheated steam, warm and hot water

Temperature range:

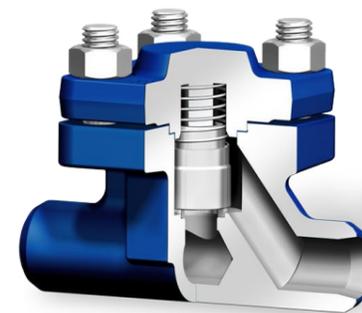
-10 °C to +550 °C

Special designs:

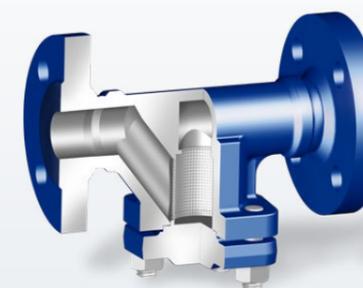
e.g. limit switch (mechanical or inductive), chain wheel

CHECKO® V

Check valve



ARI® Strainers



Technical information

CHECKO® V

Nominal diameters:

DN 10 – 100

Pressure ratings:

PN 63 – 160

Body materials:

1.0460, 1.5415, 1.7335, 1.7357, 1.0619+N

Flow media:

Liquids, gases, vapours

Temperature range:

-10 °C to +450 °C

ARI® Strainers

Nominal diameters:

DN 10 – 100

Pressure ratings:

PN 63 – 160

Body materials:

1.0460, 1.7335, 1.0619+N

Flow media e.g:

Liquids, gases, vapours

Temperature range:

-10 °C to +450 °C

Reliable and proven – for robust isolation

- ✔ Easy to service due to simple replacement of gland seal packing
- ✔ Optimal handling thanks to the stuffing box gland follower being easy to tighten with swing type eye bolts
- ✔ Permanently leakproof due to the burnished stem
- ✔ Durable due to bonnet top having threaded bushing
- ✔ Easy to service due to fixed connection of swing type eye bolts in the bonnet design
- ✔ Optimum seal due to ideal hardness difference between the plug and seat
- ✔ Durable owing to the surface finish (stellite) of plug and seat
- ✔ Double protection from the additional back seal
- ✔ Exterior seal optimised thanks to chambered yoke gasket
- ✔ Optimal handling using the non-rising handwheel (optional)

Further solutions for the medium pressure range in PN 63 – 160

CHECKO® V Check valve in DN 10 – 100 with flanges or butt weld ends.

- ✔ Hardened plug
- ✔ Stellite seat
- ✔ Stainless steel resetting spring
- ✔ Precise plug guidance
- ✔ Chambered, grooved gasket

ARI® Strainers in DN 10 – 100 with flanges or butt weld ends.

- ✔ Screen made from stainless steel (standard and fine screen)
- ✔ Reinforced screen from DN 50
- ✔ Precise guidance of screen in cover and body
- ✔ Chambered, grooved gasket
- ✔ Optional: Drain screw or bar magnet (up to +450 °C)



Optimum handling: non-rising handwheel.



The plug on the top section provides a back seal in addition to pure graphite gland packing.



Flexibility: Option of electric or pneumatic actuators.



Swing type eye bolts for easy maintenance



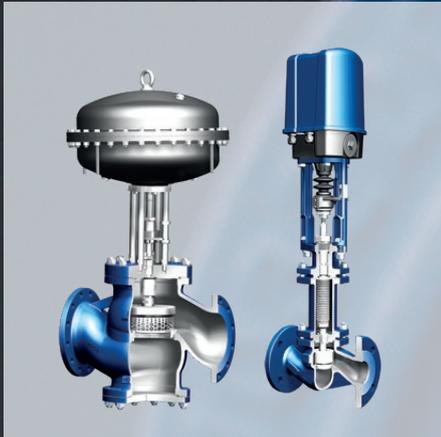
Durable thanks to precise plug guidance.

ARI® product diversity



Benefit from our one-stop shop philosophy.

At ARI® we stand by our reliability, passion for technology and personal commitment to our customers. We manufacture our high-quality products tailored to your specific requirements. Your valve made by ARI®. Please contact us for further information, we would be happy to discuss the options you have with ARI®.



Control valves



Globe valves



Butterfly valves



Safety valves



Steam traps



Engineered systems



Your valve made by ARI®
ari-armaturen.com

ARI-Armaturen Albert Richter GmbH & Co. KG

Mergelheide 56-60

33758 Schloß Holte-Stukenbrock, Germany

Tel.: +49 5207 994-0

Email: info.vertrieb@ari-armaturen.com