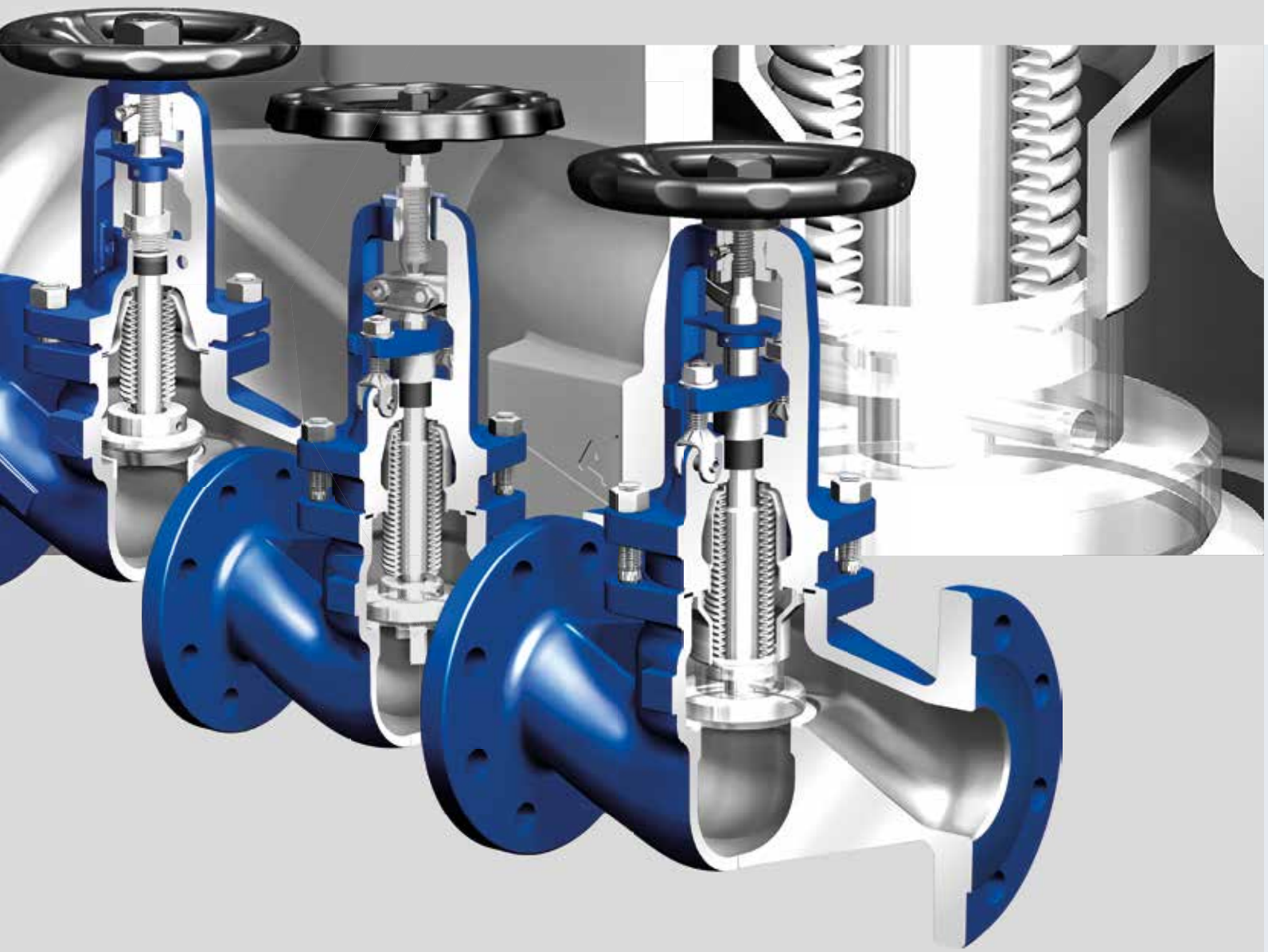
FABA®

The bellows sealed valve

EXTRA-TIGHT SHUT-OFF DUE TO “CUT-OFF EFFECT” – (LINE CONTACT SEALING)



ARI ARMATUREN

FABA® Plus

Profit from the proven power of ou
For all standard applications

Even greater performance …

- … due to the bonnet design (now even more suitable for harsh industrial environments, i.e. water hammer, due to more robust design).
- … due to the reinforced bellows welded to the stem rather than to the plug (vibration is no longer transferred directly from the plug to the bellows).

Ease of use …

- … due to ergonomic handheel with environmentally friendly, corrosion-resistant cataphoretic coating.
- … due to the reduction in weight (optimised bonnet design).
- … due to the recessed lubricating nipple and the separate, flat locking device.
- … due to the easy-to-install limit switch – no need to loosen the bonnet screws (patented).

“Cut effect” (line contact sealing) – due to conical plug and marginal seat (high tightness).

Bonnet design – now even more resistant to water hammer.

Bellows sealed valve 6A2

FABA® Plus

FABA® Supra PN 63-160

New from ARI!

The compact alternative …

- Compact design for optimal handling.
- Extra-tight shut-off due to the bellows seal.
- Tight inner seal due to spherical plug.

Design: DIN EN

Materials: forged steel, stainless steel

Nominal diameter: DN 15-25, NPS 1/2" -1"

Nominal pressure: PN 40

Connection types: Flanges, screwed sockets, socket weld ends, butt weld ends

Profit from the proven power of our 100% tight shut-off technology! For all standard applications

Even greater performance …

- … due to the bonnet design (now even more suitable for harsh industrial environments, i.e. water hammer, due to more robust design).
- … due to the reinforced bellows welded to the stem rather than to the plug (vibration is no longer transferred directly from the plug to the bellows).

Ease of use …

- … due to ergonomic handheel with environmentally friendly, corrosion-resistant cataphoretic coating.
- … due to the reduction in weight (optimised bonnet design).
- … due to the recessed lubricating nipple and the separate, flat locking device.
- … due to the easy-to-install limit switch – no need to loosen the bonnet screws (patented).

Even greater versatility …

- … due to the dual function (can be used simultaneously as a check valve and stop valve with a tight shut-off feature due to the screw-down non-return plug) – now suitable for horizontal or vertical installation owing to the resetting spring.

Offered in a straight-through, angle pattern or Y-pattern design with butt weld, screwed socket or ASME/ANSI connections.

Design: DIN EN, ASME/ANSI

Materials: Cast iron, SG iron, steel, forged steel, stainless steel, ASME materials

Nominal diameter: DN 15-400

Nominal pressure: PN 16-40; ANSI 150 and 300

Connection types: Flanges, butt weld ends, socket weld ends, screwed sockets

"Cut effect" (line contact sealing) – due to conical plug and marginal seat (high tightness).

Bonnet design – even more resistant to water hammer.

Dual function – can be used simultaneously as a check and stop valve with a tight shut-off feature due to the screw-down non-return plug with resetting spring.

Reliable sealing …

- … due to "cut effect" (line contact sealing of the conical plug on the seat ring).
- … due to metal plug / seat design (hardness gradient: hardened stainless steel plug, harder than the seat ring).
- … due to increased seat pressure (longer service life).
- … due to the fine-threaded stem (increased seat pressure).
- Tested tightness: Final test with air for all valves (leakage rate "A" according to DIN EN 12266 or 1 according to DIN 3230).
- Tested tightness: Helium test guarantees that no leakage can occur through the bellows.

For use in medium-pressure systems up to 160 bar!

Even safer to use …

- … due to the balancing plug (optional from DN 65).
- … due to the additional limit switch (optionally 1 or 2).

Reliably tight – even in harsh industrial environments …

- … due to conical plug with cut effect (line contact sealing).
- … due to the serrated seal.
- … due to the gland packing and gland seal stuffing box.
- … due to the stellited seat and plug (ideal hardness gradient: Stellite 21 / Stellite 6).

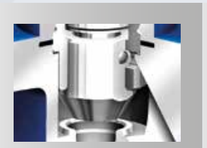
Design: DIN EN

Materials: Cast steel, forged steel, heat resistant steel

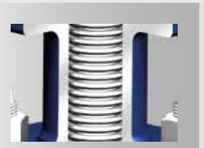
Nominal diameter: DN 10-100

Nominal pressure: PN 63-160

Connection types: Flanges, butt weld ends



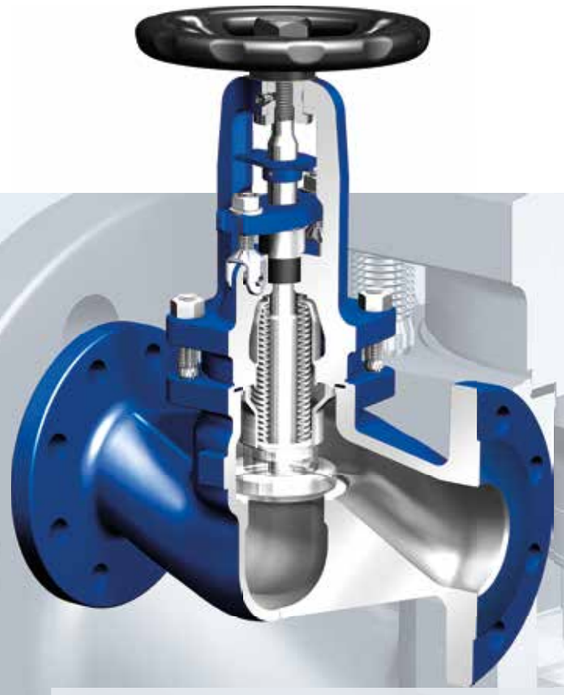
Reliably tight due to conical plug with cut effect (line contact sealing).



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

Optimal force transfer owing to the fine-threaded stem.

FABA® Supra i



Profit from the proven power of our 100% tight shut-off technology!

For all industrial applications

Additional features. Even more reliable …

- … due to the reinforced bellows (10,000 double cycles) – welded to the top part of the body.
- … due to the increased resistance to water hammer (bellows protected by cover).
- … due to the rugged plug / stem guide (permits higher differential pressures).

Reliably tight – even in harsh industrial environments …

- … due to the double-wall bellows seal.
- … due to the welded seat.
- … due to the secondary seals (back sealing on bellows cover and emergency stuffing box seal to atmosphere with gland follower).
- … due to the option of welding the top part of the body to the bottom part (optionally).

Even greater flexibility …

- … due to the option of a one or two-piece (couple-divided) stem (for example, for retrofitting with an actuator).

Offered in a straight-through, angle pattern or Y-pattern design with butt weld, screwed socket or ASME/ANSI connections.

Design: DIN EN, ASME/ANSI

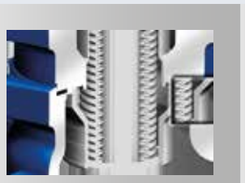
Materials: Cast steel, forged steel, stainless steel, ASME materials

Nominal diameter: DN 15-400

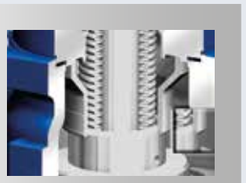
Nominal pressure: PN 16-40; ANSI 150 and 300

Connection types: Flanges, butt weld ends, socket weld ends, screwed sockets

Reinforced bellows (10,000 double cycles) – welded to the top part of the body.



Bellows cover – for increased resistance to water hammer.



Rugged plug / stem guide – permits higher differential pressures.

FABA® Supra C

Reliable sealing …

- … due to “cut effect” (line contact sealing of the conical plug on the seat ring).
- … due to metal plug / seat design (hardness gradient: hardened stainless steel plug, harder than the seat ring).
- … due to increased seat pressure (longer service life).
- … due to the fine-threaded stem (increased seat pressure).
- Tested tightness: Final test with air for all valves (leakage rate “A” according to DIN EN 12266 or 1 according to DIN 3230).
- Tested tightness: Helium test guarantees that no leakage can occur through the bellows.

For the chemical industry

Additional features compared to FABA® Supra i
Even more reliable …

- … due to the reinforced – and medium-flushed – bellows that is welded to the top part of the body (10,000 double cycles). Suitable for process applications.
- … due to the additional stem guide via the V-port plug (permits higher differential pressures).

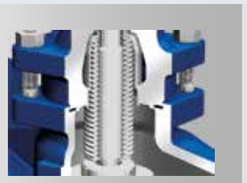
Design: DIN EN, ASME/ANSI

Materials: Cast steel, forged steel, stainless steel, ASME materials

Nominal diameter: DN 15-400

Nominal pressure: PN 16-40; ANSI 150 and 300

Connection types: Flanges, butt weld ends, socket weld ends, screwed sockets



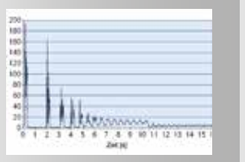
Bellows – flushed by the medium (also suitable for process applications).

Reinforced bellows (10,000 double cycles) – welded to the top part of the body.

Additional stem guide via the V-port plug (permits higher differential pressures).

FABA®- tight
With certified,multiply bellows!

- FABA®-tight due to rigorous testing of PN 40 compressive strength up to 200 bar at the Fraunhofer-Institute in Oberhausen (FABA® Supra C).
- FABA®-tight due to seamless automatic weld between the bellows and stem.
- FABA®-tight due to helium leak testing (tested tightness).
- FABA®-tight due to bellows welded to the top part of the body (FABA® Supra i and FABA® Supra C).
- Durable and reliable due to bellows protection from water hammer (FABA® Supra i).
- Durable and reliable due to bellows welded to the stem as standard rather than to the plug (all FABA® types).



Test documentation at the Fraunhofer-Institute up to 200 bar, water hammer as a function of time.

Rigorous test conditions on the Fraunhofer-Institute's experimental facility.

- Durable and reliable due to bellows positioning outside the medium (FABA® Supra PN 63-160).
- Durable due to option of cleaning medium-flushed bellows in chemical applications (FABA® Supra C).
- Durable due to the slim bellows design. Vibration is reduced to a minimum, protecting the bellows against turbulences.

Bellows cover – for increased resistance to water hammer.

- Durable due to the long, modified, pressure resistant bellows design (FABA® Supra PN 63-160).
- Durable due to bellows reinforcement for up to 10,000 double cycles (FABA® Supra and FABA® Supra PN 63-160).
- Certified safety – approved acc. to DIN EN ISO 15848-1 / TA-Luft.
- Tailored to individual requirements – wide choice of FABA® variants.

ARI product diversity

Control

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

STEVI® Vario
(Series 448/449)

STEVI® Smart (Series 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, ASME)
REYCO® R

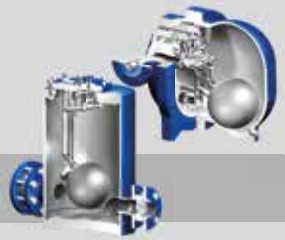
Safety valves (ASME)
REYCO® RL

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

Edition 02/2021 - Data subject to alteration

Profit from diversity made by ARI.
Please don’t hesitate to ask for more information!

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