

Certificate

for

Alpha Group Co., Ltd.

139 Soi Nuanchan 34,
Nuanchan Road, Nuanchan,
Buengkum, Bangkok 10230
Tel: 0-2792-9333, Fax: 0-2946-1755~6
E-mail: vip@alphagroup.co.th
Website: www.alphagroup.co.th

Thailand

Alpha Group Co., Ltd. Thailand,
is the **EXCLUSIVE DISTRIBUTOR**
of ARI-Armaturen in Thailand

ARI will provide full support to **Alpha Group**
and all Products sold through
Alpha Group are subject to full warranty of **ARI**
according to the terms &
conditions stated in our general brochure.



R. Brechmann
Managing Director



D. Röhrmann
Head of Marketing & Sales



Technology for the Future.
GERMAN QUALITY VALVES



ARMATUREN

FABA®

**The new generation – with
100% tight shut-off technology!
More than 17,000 variations!**

FABA® -Plus

For standard executions

Even greater performance ...

- ... Due to the new bonnet design (now even more suitable for harsh industrial environments ie water hammer due to more robust design)
- ... Due to the reinforced bellows welded to the stem rather than to the plug (vibrations are no longer transferred directly from the plug to the bellows)

Ease of use ...

- ... Due to the new, ergonomic design of the handwheel
- ... Due to the reduction in weight (optimised bonnet in a new 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 cap screws (intellectual property rights are registered)

Even greater versatility ...

- ... Due to the dual function (can be used simultaneously as a check valve and a stop valve with a tight shut-off feature due to the spring and the loose regulating plug) – can now be installed in ANY position owing to the return spring

Offered in a straight-through, angle pattern or Y-pattern design with flanges (butt weld, screwed sockets or ANSI connections)

Materials:

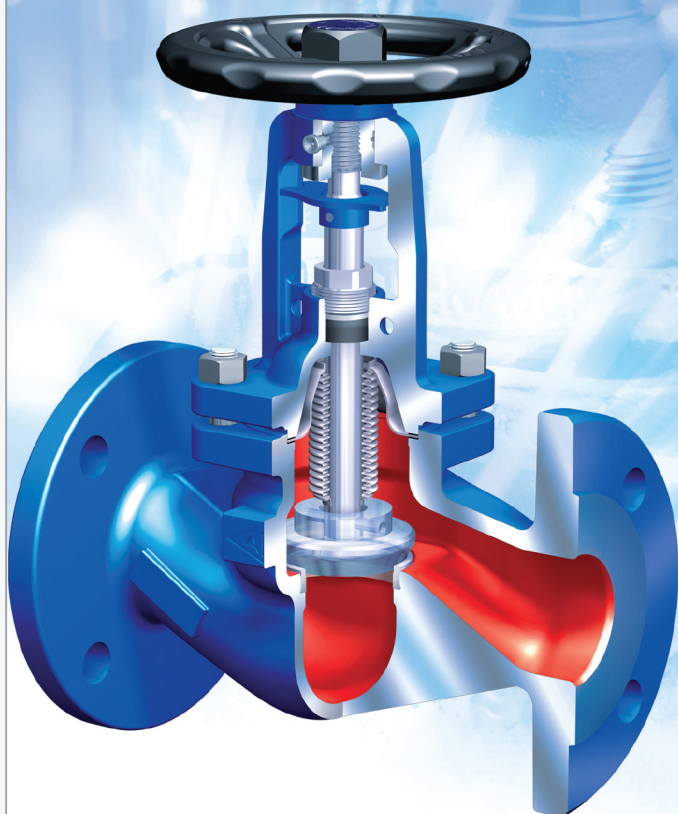
- Grey cast iron, nodular cast iron, cast steel, forged steel, stainless steel, ANSI materials

Nominal diameter:

- DN 15 to 400

Nominal pressure:

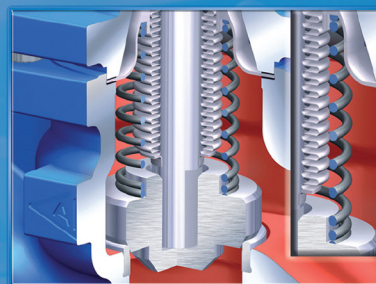
- PN 16 to 40; ANSI 150 and 300



1. "Cut off effect" – the conical shape of the marginal seat causes surface deposits to be removed during sealing



2. Bonnet design – now even more resistant to water hammer



3. Dual function – can be used simultaneously as a check and stop valve with a tight shut-off feature due to the re-setting spring and to the loose plug

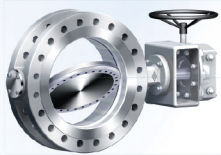
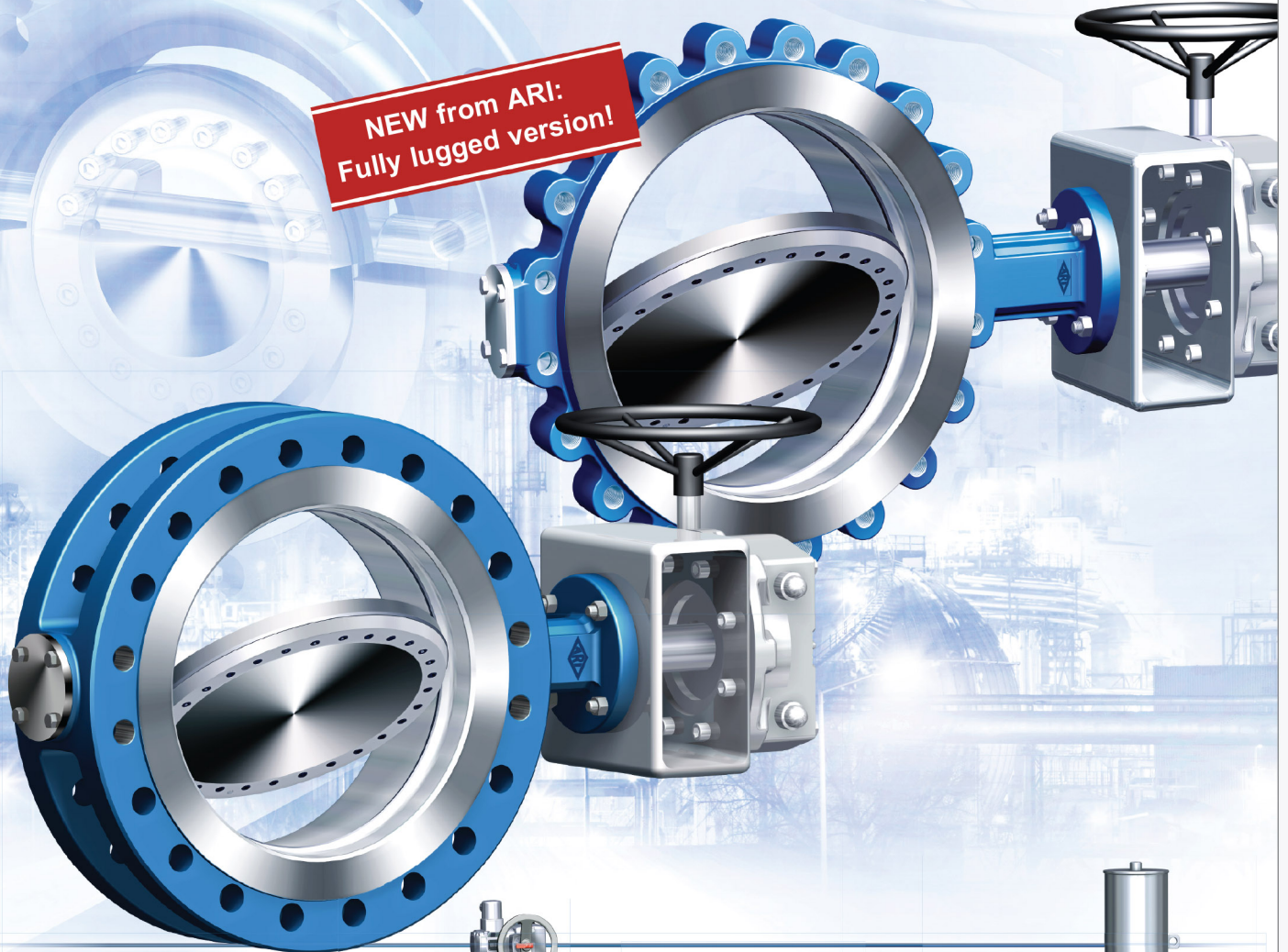
Now up to DN 1200! Triple offset design — Metal seal — Self-aligning sealing ring:

ZETRIX®

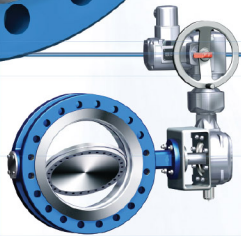
The ARI process valve



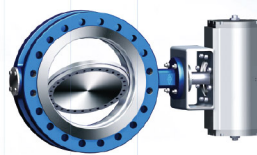
NEW from ARI:
Fully lugged version!



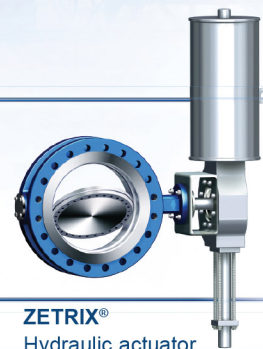
ZETRIX®
Manual



ZETRIX®
Electric actuator



ZETRIX®
Pneumatic actuator



ZETRIX®
Hydraulic actuator

Design

- Body acc. to EN 12516, ASME B16.34 and API 609
- Tight metal shut-off
- Triple offset sealing geometry
- Flexible, self-aligning, lamellar metal sealing ring (floating)
- Optimised characteristic permits shut-off and control function
- Extended bonnet suitable for pipe insulation from -60°C to +400°C
- Easy to automate due to the actuator interface incl. position indicator acc. to ISO 5211

Benefits from the ARI- 'One-stop-shop-philosophy' for steam.

Your confidence.
Because steam needs competence.



FABÄ®-Plus

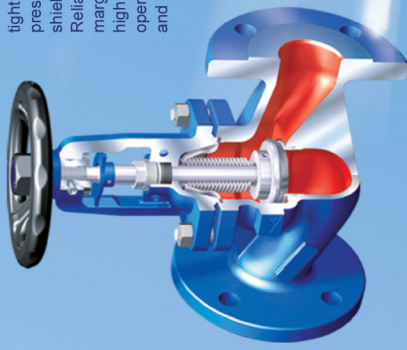
Safety and

trouble-free operation

Extra long life through double wall bellows, excellent isolation of plant through leak tight shut off to TA-Luft. For extreme shock pressures FABÄ® - Supra I with strengthened, shielded bellows seal.

Reliable sealing due to the conical/marginal plug. Improved safety through high spec. bonnet material. Smooth operation through flat lubricating nipple and locking device (countersunk).

DN 15-400; PN 16-40
Size 1/2" -10"; ANSI Class 150/300
Cast iron, nodular iron, cast steel, forged steel, stainless steel, ASTM-materials

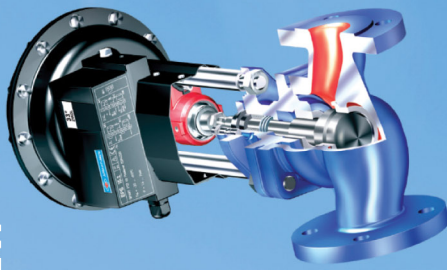


STEVI®

Precision through 100 percent process control

ARI-control valves, e.g. for steam: flexible through easily interchangeable, reducible seat/plug trim even at site, safety due to blow-out proof stem, highest turn downs through shaft-guided plug... noise control through perforated plug and overcritical pressure reduction.

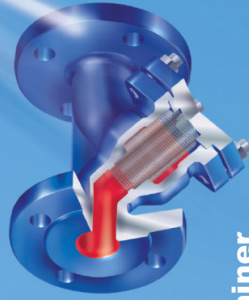
DN 15-500; PN 16-40
Size 1" -8"; ANSI Class 150/300
Cast iron, nodular iron, cast steel, stainless steel, ASTM-materials



Safety in operation even with dirty media

ARI-strainers - dirt and debris will quickly damage finely finished surfaces in control valves, block steam trap orifices and generally detract from accurate and repeatable control of plant.

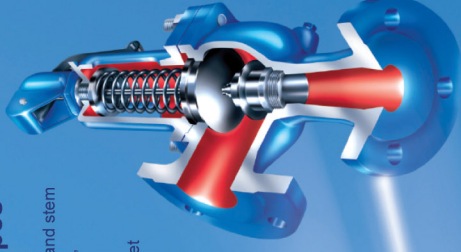
Available with a variety of screen sizes, and are designed to facilitate maintenance. DN 15-300; PN 6-40
Size 1/2"-10"; ANSI Class 150/300
Cast iron, nodular iron, cast steel, stainless steel, ASTM-materials



Strainer

Pressure-security for vessels and pipes

ARI-safety-valves, e.g. for steam: Precision machined guided plug and stem to safeguard plant and personnel, reliably holding the set pressure by vented spring, even at high temperatures through open bonnet design. Reliability and security through inner parts in Cr-Ni-steel. DN 20-150; PN 16-40
Size 1" -6"; ANSI Class 150/300 (with ASME-UV-stamp)
Cast iron, nodular iron, cast steel, ASME-materials

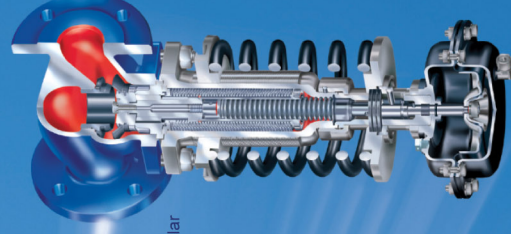


PREDU®

Reduction of system pressure

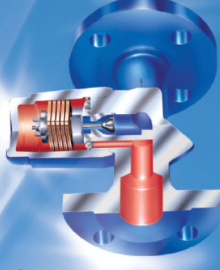
ARI-pressure reducing valves: Economy through precise control of downstream pressure and will compensate for fluctuations in upstream pressure, withstanding inevitable moisture and small dirt particles through a very robust design. Quick pressure setting through quick access to spring by pillar free actuator attachment.

DN 15-100; PN 16-40
Size 1" -4"; ANSI Class 150/300
Cast iron, nodular iron, cast steel, ASTM-materials



Your economy through energy saving

Different operating principles for different steam system requirements
Bi-metallic traps for tracing and high pressure, balanced pressure traps for air venting and small heat exchange plate, ball float traps for high capacity and variable load, thermodynamic traps for line drainage, integrated strainer and non-return function. Depending on the different product groups in DN 15-50 (100); PN 6-630
Size 1" -2"; ANSI Class 150-2500
Cast iron, nodular iron, cast steel, forged steel, high temperature steel, stainless steel, ASTM-materials



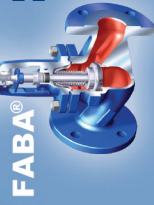
CONA® steam traps

Benefit from the know-how of a strong partner:

Do you know of a wider range for thermal oil?

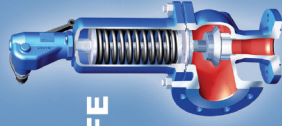


High reliability, e.g. by double-walled bellows



DN 15 - 400; PN 16 - 40
NPS 1/2" - 10"; ANSI Class 150 - 300
1) Materials: Nodular cast iron, cast steel, forged steel, ASTM materials

SAFE

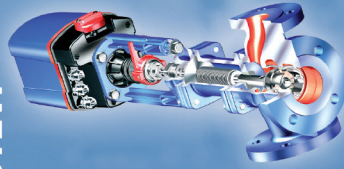


Guaranteed safety, e.g. by multiple certifications (TÜV, Lloyd's, GL, GOST, etc.)

DN 20 - 150; PN 16 - 40
NPS 1" - 8"; ANSI Class 150 - 2500
1) Materials: Nodular cast iron, cast steel, ASTM materials

Flexibility, e.g. by choosing between a mixing or diverting plug

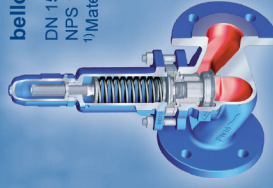
DN 15 - 250; PN 16 - 40
NPS 1/2" - 8"; ANSI Class 150 - 300
1) Materials: Nodular cast iron, cast steel



STEVI®

Plant safety, e.g. pump protection by a bellows sealed pressure regulating valve

DN 15 - 100; PN 16
NPS 1/2" - 4"; ANSI Class 150
1) Materials: Nodular cast iron, cast steel, ASTM materials



PRESO®

Strainer

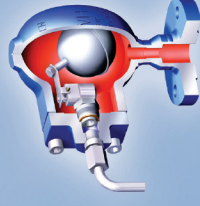


Flexibility and plant safety, e.g. by a wide range of different mesh sizes

DN 15 - 400; PN 16 - 40
1) Materials: Nodular cast iron, cast steel

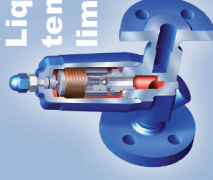
High reliability and efficiency, e.g. by immediate air discharging

DN 15 - 25; PN 16 - 40
NPS 1/2" - 1"; ANSI Class 150 - 300
1) Materials: Nodular cast iron, cast steel, ASTM materials



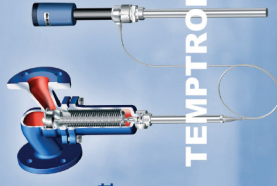
Automatic air vents

Liquid return temperature limiter



Economy, e.g. by efficient utilisation of the fluids energy

DN 15 - 50; PN 40
NPS 1/2" - 2"; ANSI Class 150 - 300
1) Materials: Forged steel, ASTM materials



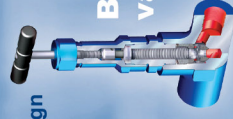
TEMPROL®

Optimal handling, e.g. by easy and precise setpoint adjustment

DN 15 - 100; PN 16 - 40
NPS 1/2" - 4"; ANSI Class 150 - 300
1) Materials: Nodular cast iron, cast steel, ASTM materials

Optimal handling, e.g. by compact bellows sealed design

DN 1/2" - 1"; PN 40
1) Materials: Forged steel



Blow-down valve

Plant safety, e.g. by protecting the pump against reverse flowing water

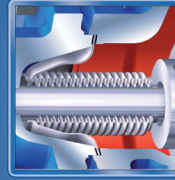
DN 15 - 500; PN 16 - 40
NPS 1/2" - 10"; ANSI Class 150 - 300
1) Materials: Nodular cast iron, cast steel, forged steel, stainless steel, ASTM materials



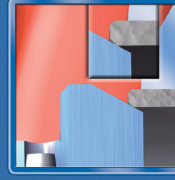
CHECKO®

1) Materials recommended in Germany acc. to DIN 4754

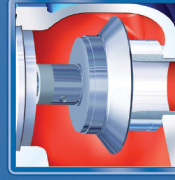
Quality that pays off – maximum safety, even in harsh industrial environments!



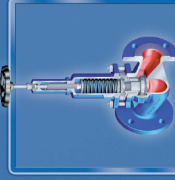
FABA-Plus / Supra:
High pressure bellows welded to stem (vibrations are not transferred directly from the plug to the bellows)



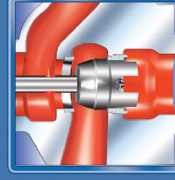
FABA-Plus / Supra:
Flat edge of the conical shape of the marginal seat causes surface deposits to be cut away



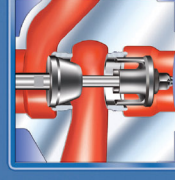
SAFE:
Reliability and security by inner parts in CNI-steel causes surface deposits to be cut and splinter



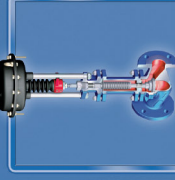
PRESO®:
Simple handling by adjusting the opening pressure with an external manual device



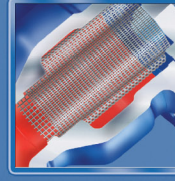
STEVI® 451/463:
Three-way control valve with mixing design



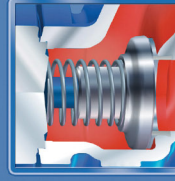
STEVI® 451/463:
Three-way control valve with diverting design



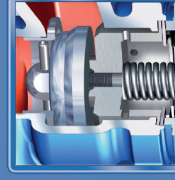
STEVI® 460 mit DP:
Plus safety shut-off closing when overheated



Strainer:
Protected by a screen surface to nominal diameter ratio up to 10:1



CHECKO®:
Plus safety by light shut-off closing, spring supported



TEMPROL®:
Throttling valve (for heating systems) closes with rising temperature