

Isolation • Safety • Control • Steam trapping:

Your „One-Stop-Shop“ in ANSI!



FABA®
Stop valves



SAFE
Safety valves



STEVI®
Control valves



PREDU®
Pressure reducing valves



CONA®
Steam traps



Technology for the Future.
GERMAN QUALITY VALVES

Certified quality acc. to ANSI/ASME!



CERTIFICATE OF AUTHORIZATION

This certificate accredits the named company as authorized to use the indicated symbol of 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. This use of the Code symbol 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 this symbol 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
33758 Schloss Holte-Stukenbrock
Germany


SCOPE: Manufacture of pressure vessel pressure relief valves & (this authorization does not cover welds)

AUTHORIZED: November 27, 2009
EXPIRES: November 27, 2012
CERTIFICATE NUMBER: 32,885

Alan B...
Director, Accreditation and Certification




THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS
Certificate of Authorization



This is to certify that
ARI-Armaturen Albert Richter GmbH & Co. KG
Nameplate Abbrev.: ARI
Mergelheide 56-60
D-33758 Schloss Holte-Stukenbrock,
GERMANY

is authorized to apply the "NB" mark to specified PRESSURE RELIEF DEVICES in accordance with the provisions of the National Board. The scope of Authorization is limited to National Board Certified devices which have been manufactured, assembled and stamped with the following construction codes:

ASME Section VIII, Division 1: "UV" Stamp

ISSUE DATE: October 28, 2009
EXPIRATION: November 27, 2012

Executive Director
[Signature]



Executive Director

Your advantage by quality.

Use ARI quality management to improve your profitability! For you we manufacture under the most stringent production quality control to comply with DIN EN ISO 9001 and the quality specifications of the National Board (NB)!

**You too can profit from certified safety!
For quality is your safety! And: quality is your profitability!**

Measuring and sizing acc. to ANSI / ASME VIII acc. to API520 !



ARImetec®-S

The multi-function tester for steam plants.

ARImetec®-S an ultrasonic measuring instrument with integrated temperature measurement (optional, up to max. 1472°F/800°C) ...

- for measuring the ultrasound level of steam traps and other valves or fittings (leakage)
- for measuring the surface temperature of steam traps and other valves or fittings (leakage) and pipes in order to determine temperature shifts in the system
- for accepting process inspections – with storage and transfer to a PC via USB interface
- for testing with a combination of ultrasonic and surface temperature measurement (leakage)

ARImetec®-S can also be supplied in an intrinsically safe version for use in hazardous areas.

myValve®

Your calculating program.

myValve® is a powerful software tool that not only helps you size your system components, it also gives you instant access to all other data about the selected product, such as order information, spare parts drawings, operating instructions, data sheets, etc., whenever you need it.



Your strong partner for ANSI: more flexibility,

Isolation

FABA®

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

- Reliable sealing due to the "cut off effect" (the conical shape of the marginal seat causes surface deposits to be removed when the valve closes)
- Reliable sealing due to the metal plug / seat design (conical plug made of hardened stainless steel)
- Reliable sealing due to the conical/marginal plug (significantly increased seat pressure and longer service life)
- Reliable closing 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

FABA®-„Plus“

- Your valve for all standard applications. Extra-tight shut-off due to conical marginal seat geometry with „cut off effect“. Surface deposits are removed from the seat when closing. The valve keeps durably tight shut-off.

FABA®-„Supra i“

- Your solution for ambitious industrial applications. Due to the reinforced and shielded bellows seal – welded to the top part of the bonnet.

FABA®-„Supra C“

- For the chemical industry. With reinforced and flushed bellows seal – welded to the top part of the bonnet. Suitable for process pipes.



NPS 1/2" - 10"
ANSI Class 150/300

Body materials:
SA216WCB, SA105
Straight through with flanges,
screwed sockets, socket weld ends

Flow media:
e.g. Steam, gases, hot water, thermal fluids, hot oil,
process water, vacuum facilities, ammonia



FABA®-Plus 041 ANSI



FABA®-Plus 049 ANSI
screwed sockets



FABA®-Supra i 141 ANSI



FABA®-Supra C 141 ANSI
(optional with pneum. actuator)

more quality, more safety.

Safety



Certified acc. to
ASME-Code with UV-stamp

SAFE

**Complete range according to API 526:
Accurate response, reversible plug, optimal
plug guiding – up to 6000 psi (414 bar)!**

- **Reliable and durable:** precise repeatability of the set pressure and increased service life due to the accurately centred nozzle (nozzle thread close to the seat)
- **Durable:** increased service life due to protection against crevice corrosion (nozzle thread close to the seat)
- **Simple handling:** easy to service due to reversible plug (sealing surfaces can be used on both sides)
- **Reliable:** high level of reliability due to optimal guiding of the plug on the seat (two-piece stem)
- **Simple handling:** multifunctional conversion in a few simple steps thanks to the modular system (standardised trim)
- **Simple handling:** straightforward replacement of the plug sealing plate
- **Flexible + simple handling:** broad spectrum of applications due to the standardised O-ring soft sealing plug
- **Simple handling:** identical nozzle ring for each orifice size (code letters)
- **Durable:** increased service life due to the corrosion-resistant bellows seal made of Inconel 625; bellows also provides back pressure compensation as standard

NPS 1"x2" - 8"x10"

Orifice letters D, E, F, G, H, J, K, L, M, N, P, Q, R, T
ANSI Class 150 - 2500

Body materials:

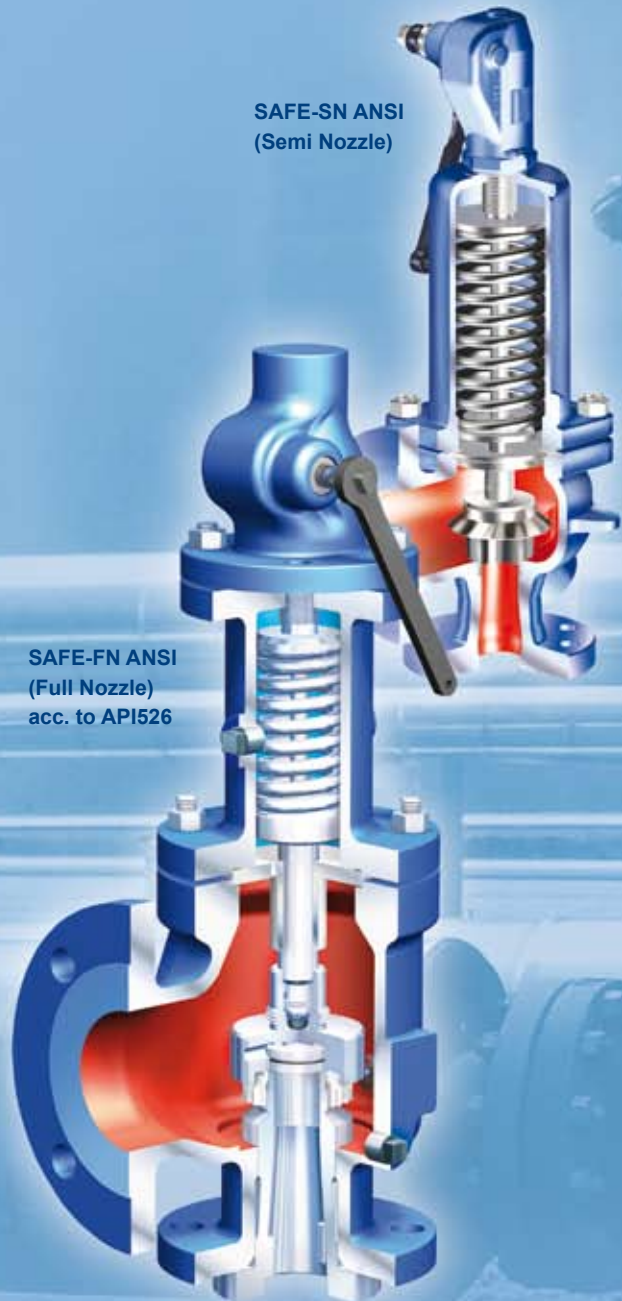
SA216WCB, SA217WC6, SA351CF8M
with flanges

Flow media:

e.g. steam, neutral gases and vapours
as well as liquids

SAFE-SN ANSI
(Semi Nozzle)

SAFE-FN ANSI
(Full Nozzle)
acc. to API526



SAFE-FN ANSI acc. to API526
closed lifting device



SAFE-FN ANSI acc. to API526
gastight cap



SAFE-FN ANSI acc. to API526
open lifting device



SAFE-SN ANSI

Control

STEVI®

Your high performance, variable control valve for exacting operating conditions.

- 50:1 rangeability for precision and high performance
- Variable: up to 6 (!) reducible Cv-/Kvs-values
- Noise minimisation: perforated plug (option)
- Safety: blow out-proof plug
- Safety: shaft guided plug
- Safety: emission free, two-ply bellows seal (option)

PREDU®

Your self-acting pressure reducing valve!

- Economical: precise regulation of variable downstream pressure with fluctuating upstream pressures (self acting P-type controller)
- Practical: easy handling (simplified „adjustment“ and compact, pillar-free design)
- High performance: unaffected by upstream pressure fluctuations in the system (pressure relief bellows)
- High performance: durable steam sealing (with additional stainless steel bellow seal)
- Durable: high insensitivity to dirt

Plug design:
parabolic plug, optional V-port or perforated plug
NPS 1/2" - 8"
ANSI Class 300

With electric or pneumatic actuators

Body materials:
SA216WCB, SA105
with flanges, screwed sockets, socket weld ends

Flow media:
e.g. cooling water, cooling oil, warm water, hot water,
steam, gas, refrigerant, heat transfer oil

NPS 1" - 4"
ANSI Class 150/300

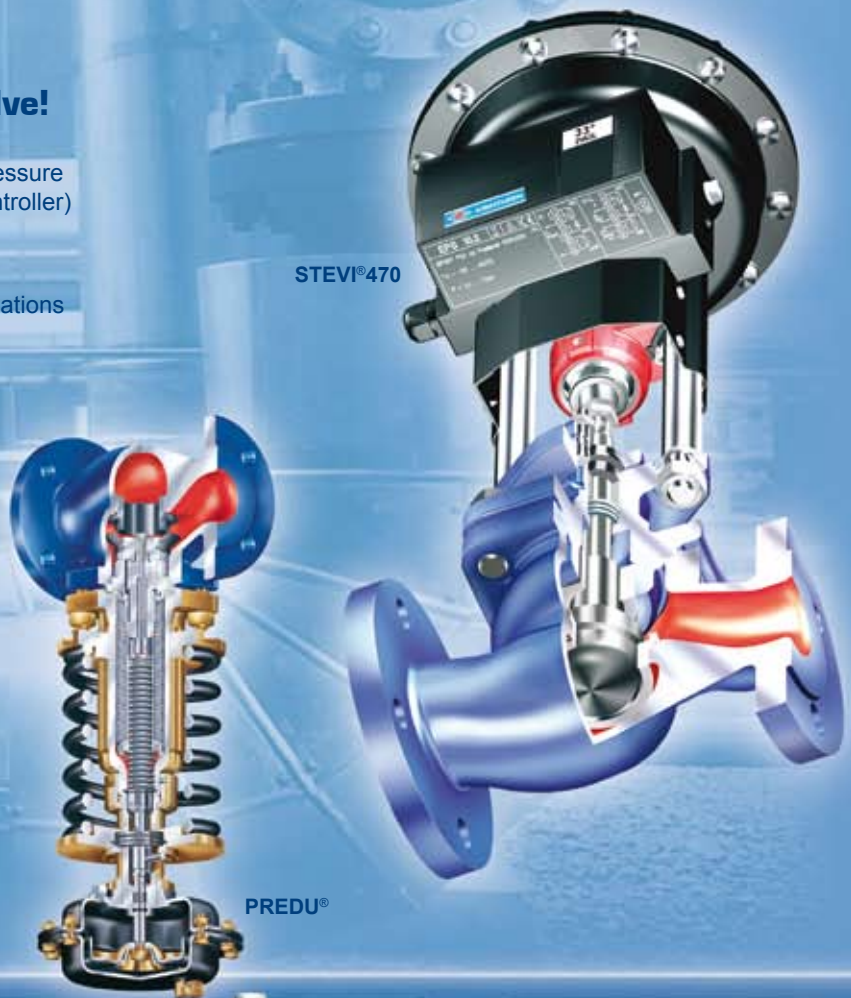
Pressure reducer with 5 diaphragm actuator sizes
and 6 graduated set point ranges

Body materials:
SA216WCB

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

STEVI®470

PREDU®



STEVI®470
with electric actuator PREMIO



STEVI®470
with pneumatic actuator DP



STEVI®471 in
bellows seal design
with electric actuator AUMA



PREDU® pressure reducing valve
with diaphragm actuator DMA

Steam trapping

CONA[®]

Your economic efficiency through energy saving!

CONA[®]-S Ball float steam trap

- For major fluctuations in pressure and volume - for instant drainage with no temperature loss ...!

CONA[®]-B Bi-metallic steam trap

- For condensate drainage in steam systems – with the option of targeted condensate sub-cooling for high energy utilisation and minimisation of re-evaporation due to condensate back pressure

CONA[®]-M Diaphragm capsule thermostatic steam trap

- For condensate drainage in steam systems – with the option of targeted condensate sub-cooling for high energy utilisation and minimisation of re-evaporation due to condensate back pressure

CONA[®]-TD Thermodynamic steam trap

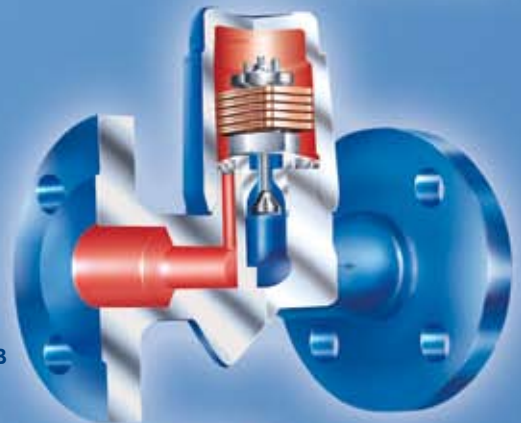
- Small, practical, weather resistant option
- User friendly, separate control cartridge and heat chamber replaceable on site



CONA[®]TD

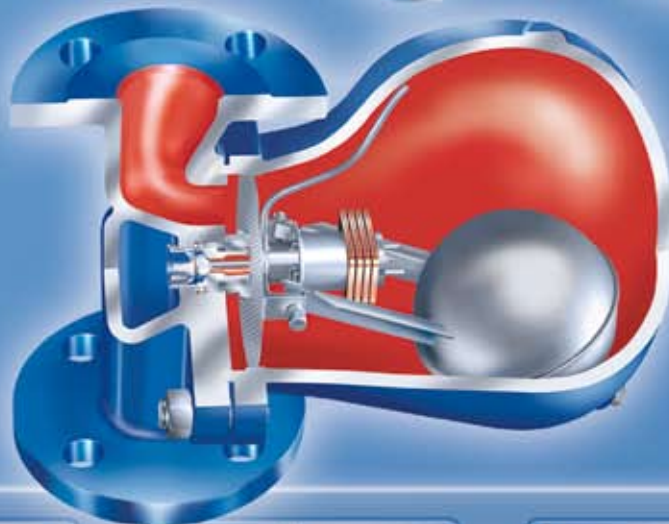


CONA[®]M



CONA[®]B

CONA[®]S



NPS 1" - 4"

ANSI Class 150 - 2500

Body materials:

SA105, SA182F321, SA182F12CL2, SA182F22CL3, SA182F91, A743CA40, SA182F6A

with flanges, screwed sockets, socket weld ends, butt weld ends

Flow media:

e.g. steam, condensate



CONA[®]Universal/Connector steam traps can be exchanged or maintained quickly and easily



CONA[®]All-in-One compact condensate discharge by multi-valving



CONA[®]Control patent-pending, calorimetric test system



CODI[®]B/S collects and distributes condensate, steam and fluids

Your ANSI partner - in more than 50 countries worldwide.

... and -branch offices in

- **America:** USA
- **Asia:** China, Malaysia, Singapore
- **Europe:** Denmark, France, Great Britain, Austria, Russia
- **Middle East:** Dubai



We stand by to serve you - any time.

Benefit from the all-round service concept of the ARI Service Partnership.
Your local ARI partner will advise on any queries - at any time.

Quickly, expertly and dependably. Your service advantage - on every continent.

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Technology for the Future.
GERMAN QUALITY VALVES