

Control • mixing/diverting • Isolation:

# STEVI® Your control system for „variable“ industrial use !

**New from ARI:**  
**„STEVI®472“**  
**PN63-160**



**New**  
from ARI



STEVI®440/441  
Control valves



STEVI®470/471  
Control valves



STEVI®472  
Control valves PN63-160



STEVI®450/451  
Misch-/Verteilventile



STEVI®405/460  
Stop valves



Technology for the Future.  
GERMAN QUALITY VALVES

**New from ARI:  
„STEVI®472”  
PN63-160**



## Control

# STEVI®472

**High-performance and variable –  
up to PN 160!**

- Robust design due to the double guided plug (standard from DN 80 – facilitates higher differential pressures).
- Flexible due to the wide range of applications - body made from cast steel (1.0619+N) or heat-resistant cast steel (1.7379, up to 550°C) – with flanges or butt weld ends.
- Versatile due to the modular system (with more than ten electric or pneumatic actuator variants).
- Highly resistant to wear due to the stellite sealing edge (optional).
- Efficient due to the pressure balancing plug (makes economy a key criterion when selecting the actuator – optional).
- Durable due to the extended bonnet (optional).
- Optimally adjustable due to the linear or equal-percentage characteristic.
- Significantly reduced noise levels due to the perforated plug (optional).



**Plug design:**  
parabolic plug, optional perforated plug

DN 15 - DN 125  
PN 63 - PN 160

With -E (Electric) or -DP (Pneumatic) actuator

**Body materials:**  
e.g. 1.0619+N, 1.7379  
flanges, butt weld ends

**Flow media:**  
water and steam



Higher differential pressures due to the double guided plug (standard from DN 80)



Higher resistance to wear due to the stellite sealing edge (optional)



Increased efficiency due to the pressure balancing plug (optional)

**Actuator Power made by ARI!**

# ARI-PREMIO®

## Electric actuator.

- Flexible: easy to replace in situ (e.g. compact, easy-to-adjust switching- and feedback devices; easy retrofit options)
- Safe: High operating temperature protection (reserves in motor power eliminate excess heat), operating mode S1 100% ED (continuous operation) and S4 80% ED 1200c/h (intermittent operation) to DIN VDE 0530
- High performance: optimised gear transmission (supports precise control positioning) and improved load cut-off (prepared for economical use in BUS systems)

# ARI-PREMIO®-Plus

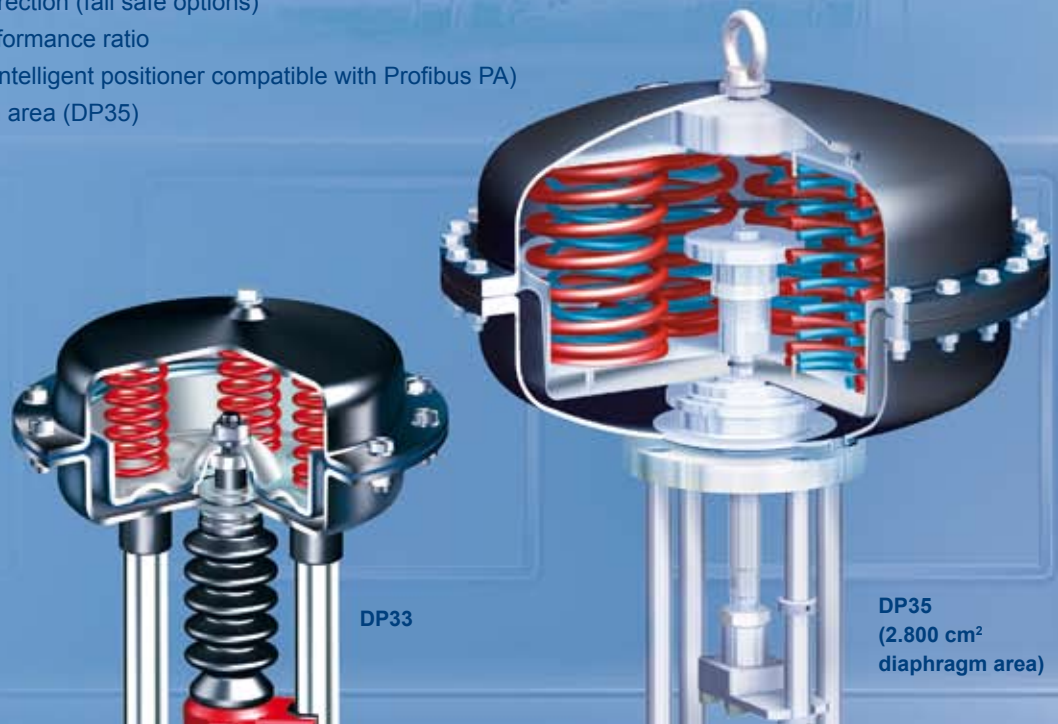
## Electric High-Performance actuator.

- Optimised handling due to the self-initialisation feature (automatic adjustment to the valve stroke on start-up)
- Even more durable due to Economy-Function (Economical Signal Conditioning). Prevents cycling of the valve, reducing wear
- Even more durable due to the in-trapped hood gasket

# ARI-DP

## Pneumatic actuator.

- High performance: broad spring rangeability (higher closing forces)
- Practical: reversible operating direction (fail safe options)
- Economical: favourable size/performance ratio
- Variable: BUS-compatible (with intelligent positioner compatible with Profibus PA)
- Sizes up to 2800 cm<sup>2</sup> diaphragm area (DP35)



# You demand - flexible industrial solutions!

## Control

# STEVI® 440/441

**The classic STEVI®.**

**Your economical control valve!**

- 50:1 rangeability for precision and high performance
- Variable: reducible KVS values
- Variable: stem seal options  
(PTFE V-ring unit, PTFE packing, graphite packing, stainless steel bellow seal)
- Long life: precision stem guidance
- Economical: compact technology concept
- Safe: emission free, two-ply bellows seal (option)



**Plug design:**

parabolic plug, optional V-port plug

DN 15 - DN 150 / NPS 1/2" - 2"

PN 16 - PN 40 / ANSI Class 150/300

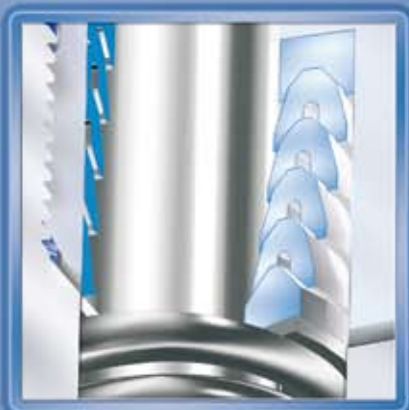
With -E (Electric) or -DP (Pneumatic) actuator

**Body materials:**

e.g. EN-JL1040, EN-JS1049, 1.0619+N, 1.4408, SA105

**Flow media:**

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



Stem seal options for flexibility  
(here: PTFE V-ring units)



Economical due to rolled seat ring



Flexibility through diversity: STEVI 440 ANSI  
with screwed sockets or socket weld ends

# You demand - tailor-made control technology

## Control

# STEVI® 470/471

**Your high performance, variable control valve  
For exacting operating conditions.**

- 50:1 rangeability for precision and high performance
- Variable: up to 6 (!) reducible KVS values
- Variable: stem seal options  
(PTFE V-ring unit, PTFE packing, graphite packing, stainless steel bellow seal)
- Variable: replaceable interior parts  
(plug, stem, screwed seating)
- Noise minimisation: perforated plug (option)
- Safety: blow out-proof plug
- Safety: shaft guided plug
- Safety: emission free, two-ply bellows seal (option)
- Precision stem guidance for long life



### Plug design:

parabolic plug, optional V-port or perforated plug

DN 15 - DN 150 / NPS 1" - 8"

(for larger diameter see rear side)

PN 16 - PN 40 / ANSI Class 150 - 300

With -E (Electric) or -DP (Pneumatic) actuator

### Body materials:

e.g. EN-JL1040, EN-JS1049, 1.0619+N, SA216WCB

### Flow media:

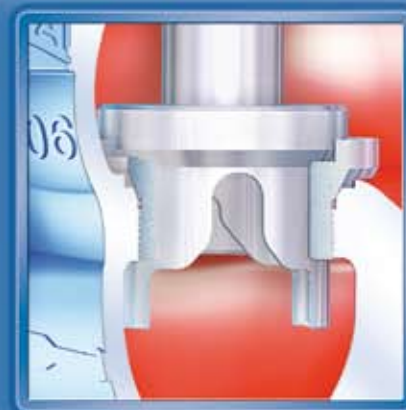
e.g. cooling water, cooling oil, warm water, hot water, steam, gas, refrigerant, heat transfer oil



Safe even under exacting conditions  
(blow-proof stem / shaft guided plug)



Flexibility: internal parts - stem, plug  
(here: perforated plug), seating - can be  
replaced variable of each other in situ.



High performance due to double guiding  
(V-port plug)

## Mixing / Diverting

# STEVI® 450/451

### Your three-way control valve Mix-and-divert function.

- 30:1 rangeability for precision and high performance
- Variable: reducible KVS values
- Variable: stem seal options  
(PTFE V-ring unit, PTFE packing, graphite packing, stainless steel bellows seal)
- Variable and economical: 2 screwed seat rings (optional)
- Long life: stable plug guidance (mixing plug / diverting plug)
- Long life: precision stem guidance
- Safety: emission free, two-ply bellows seal (option)



#### Plug design:

Mixing plug / diverting plug

DN 15 - DN 150

(for larger diameter see rear side)

PN 16 - PN 40

With -E (Electric) or -DP (Pneumatic) actuator

Body materials:

e.g. EN-JL1040, EN-JS1049, 1.0619+N, 1.4408

Flow media:

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



Variable: mixing plug



Variable: diverting plug



Two-ply bellows seal for safety  
(option)

## Isolation

# STEVI® 405/460

**Your compact stop valve**

**With -E (Electric) or -DP (Pneumatic) actuator!**

- Economical: compact technology concept
- Variable: stem seal options  
(PTFE V-ring unit, PTFE packing, graphite packing, stainless steel bellow seal)
- Long life: precision stem guidance
- Safe: emission free, two-ply bellows seal (option)



**Plug design:**

Isolation plug, optional PTFE soft seal insert

DN 15 - DN 500

PN 16 - PN 40

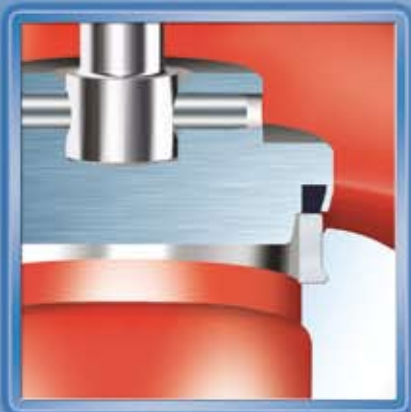
With -E (Electric) or -DP (Pneumatic) actuator

Body materials:

e.g. EN-JL1040, EN-JS1049, 1.0619+N, 1.4408

Flow media:

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



Sealing options for flexibility  
(here: plug with PTFE-insert)



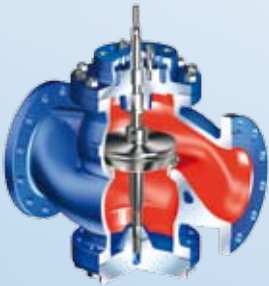
Diverse materials acc. to application  
e.g. stainless steel option (machined seat)



**STEVI® BBD 415 (Boiler Blow Down):**  
the new blow-down valve for steam  
boilers, autoclaves, etc.

ARI control technology: precise, high performance, flexible.

## Even more variety to make you flexible!



**STEVI®**  
**Control function**

EN-JL1040, EN-JS1049, 1.0619+N / DN 200-500 / PN 16-40



**STEVI®**  
**Mixing and diverting function**

EN-JL1040, EN-JS1049, 1.0619+N / DN 200-300 / PN 16-40

# 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.



ARI-Armaturen Albert Richter GmbH & Co.KG · D-33756 Schloß Holte-Stukenbrock  
Phone (+49) 5207 994-0 · Fax (+49) 5207 994-158  
email: [info.vertrieb@ari-armaturen.com](mailto:info.vertrieb@ari-armaturen.com) · <http://www.ari-armaturen.com>



**Technology for the future.**  
**GERMAN QUALITY VALVES**