

ZEDOX®

The High Performance-Valve

DOUBLE ECCENTRIC, METALLIC SEALING

NEW from ARI!



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Your Economical Alternative – For Demanding Applications

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Double eccentric – reliable tightness even under challenging service conditions

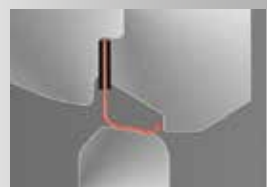
In contrast to centric butterfly valves, the double-eccentric sealing principle of the new ZEDOX® (double shift of the pivot point) reduces the angle of the disc when it enters into contact with the seat sealing ring and relieves that metallic sealing when opening. Your advantages:

- Functional safety even under challenging service conditions (reliably tight at temperatures from -40°C to +260°C, PN 10 to PN 40 as well as Class 150)
- By reducing the contact pressure and minimizing friction, ZEDOX® offers a long service-life.
- The streamlined bearing and shape of the valve-disc stands for a high-energy efficiency.
- The protection of the seat-sealing ring against the influence of negative medium flow creates a long service-life of the ZEDOX®
- The low torques guarantee a perfect handling.

- Easily automated via actuation interface acc. to ISO 5211
- ZEDOX® accomplishes leakage rate A acc. to EN 12266, API 598 (bi-directional), soft-sealing (type TS), metallic-sealing (type CS) with leakage rate B.
- Blow-out proof shaft provides extra safety
- Pressure-temperature rating acc. EN 1092, company standard
- Approvals acc. Firesafe, ATEX

Performance features at a glance:

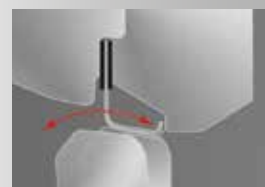
- **Design:** EN 12516, PED, API 609
 - **Flange connection:*** EN 1092, ASME 16.5, ASME 16.47, GOST
 - **Butt-weld ends:*** DIN EN 12627, ASME B16.25, GOST
 - **Nominal diameter:***
 - Double flange: DN 200-1200 / 8" to 48"
 - Wafer type DN 80-800 / 3" to 32"
 - Butt-weld ends: DN 200-1600 / 8" to 64"
 - **Nominal pressure:*** PN 10-40 / Class 150
 - **Material:***
 - Cast carbon steel (1.0619 +N; SA216WCB)
 - Cast stainless steel (1.4408; SA351CF8M)
 - **Temperature:*** -40°C to +260°C
 - **Flow media:** Liquids, gases, vapours
 - **Actuators:** Manual gearbox, pneumatic, electric, hydraulic drives
- *Other designs on request



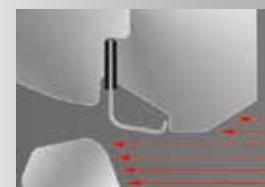
Tight sealing up to max. +260°C with metallic sealing ring



Tight sealing up to max. +180°C with PTFE sealing ring



Minimized friction via reduced contact pressure of the disc and the metallic sealing ring



The protection of the seat sealing ring against the influence of negative medium flow creates a long service life of the ZEDOX®



Bi-directional tightness
The medium-pressure supports the flexible metal sealing-ring to follow the disc during the transition to be compressed in a way that it is almost equal to both flow directions.



ARI Product Diversity

Control



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



STEVI® Vario
(BR 448/449)



STEVI® Smart (BR 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)
REYCO® R



Safety valves (ANSI)
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 pro-
tection, drain valve)



Mechanical pump systems
CONLIFT®, CONA® P

Engineered Systems



e.g. pressure reducing station
PREsys®



e.g. heat exchanger
ENCOSys®



e.g. condensate return
system CORsys®



e.g. feedwater tank
with deaerator dome

Profit from diversity made by ARI.
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