



Your valve made by ARI®
ari-armaturen.com

SHAPE UP

AND BOOST YOUR
ENERGY EFFICIENCY

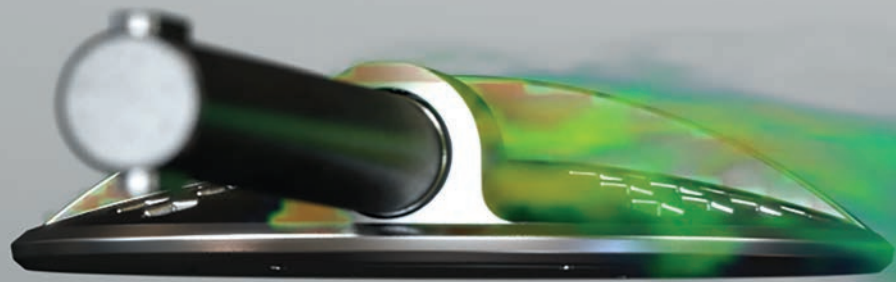


ZEDOX HEXO®

The first double offset butterfly valve
ARI ZEDOX HEXO® with a unique
honeycomb disc design.

INNOVATIVE HEXO HONEYCOMB DISC TECHNOLOGY

Optimise your KVS values by up to 35 %* with the new double eccentric butterfly valve ARI ZEDOX HEXO® and its unique honeycomb disc design.



The innovative HEXO® honeycomb disc technology enables up to 35 % higher KVS (flow co-efficient) values compared to standard High Performance valves. It ensures a significant reduction of pressure losses in the entire system and proves to be a real efficiency booster. This is an important step towards energy saving. The registered HEXO® honeycomb disc design increases the stiffness of the entire disc construction and guarantees maximum process reliability while reducing weight.

„The first double eccentric butterfly valve with honeycomb disc design worldwide“

Another advantage: the innovative technology has a positive effect on the flow characteristics of the ZEDOX® High Performance butterfly valve, as turbulences behind the valve are reduced to a minimum. The ZEDOX HEXO® thus enables significantly shorter downstream pipe sections than standard double eccentric butterfly valves. This offers a clear advantage in limited space conditions as well as the possibility of building more compact systems and thus reducing the total costs of ownership. The optimized flow characteristic also reduces vibrations in the system, which in turn reduces wear and tear and consequently increases the maintenance intervals, hence saves costs.

NEW
AND ONLY
AT ARI!



INNOVATIVE HONEYCOMB DESIGN

New and innovative – the HEXO honeycomb disc design is registered and worldwide unique.



HIGH STIFFNESS

The honeycomb disc technology increases the stiffness of the entire disc construction and guarantees maximum process reliability while reducing weight.



OPTIMISED FLOW CHARACTERISTICS

The flow-optimised design ensures a significantly shorter downstream pipe sections. Therefore, the ZEDOX® is particularly advantageous for more compact systems and limited space.



ZEDOX HEXO® Honeycomb Disc Design

Find an animated comparison with the comparison to standard High Performance valves under zedox-hexo.com

*Compared to standard high performance valves.

ZEDOX HEXO® HIGH PERFORMANCE BUTTERFLY VALVE

SAVE ENERGY COSTS

Optimised KVS values for reduced pressure losses within the system prove to be a real efficiency booster.



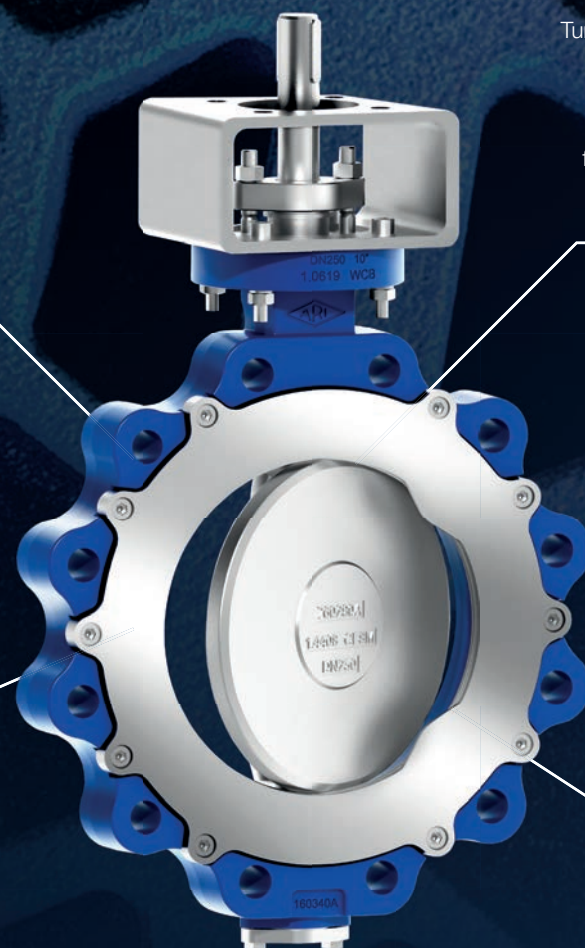
IMPROVE YOUR PROCESS SAFETY

The optimised flow characteristics reduce vibrations that can occur. This reduces wear and tear and increases the maintenance intervals.



ZEDOX HEXO®
High Performance Valve

More information regarding ZEDOX HEXO® can be found here zedox-hexo.com



OPTIMISE YOUR FLOW

Turbulences after the valve are reduced to a minimum by the optimised disc shape. This ensures significantly shorter downstream pipe sections for smoothing the flow than is usually recommended on the market.



RELIABLE TSO

TSO tight-shut-off end stops as a standard feature for safe closed position even with bare shaft

DOUBLE ECCENTRIC

Reliable tightness even under challenging operating conditions

In contrast to centric butterfly valves, the double-eccentric sealing principle of the new ZEDOX HEXO® (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. The minimised frictional pressure of the disc with the metallic sealing ring extends the durability of the entire valve.

YOUR ADVANTAGES

- Functional safety even under challenging operating conditions (reliably tight at temperatures from -40°C to +260°C, PN 10 to PN 40 as well as ANSI Class 150)
- By reducing the contact pressure and minimizing friction, ZEDOX HEXO® 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 HEXO®
- The low torques guarantees a perfect handling
- Easily automated via actuation interface acc. to ISO 5211
- ZEDOX HEXO® accomplishes leakage rate A acc. to EN 12266, API 598 (bi-directional), soft-sealing (type TS), metallic sealing (type CS) with leakage rate B
- TSO tight-shut-off end stops
- Blow-out proof shaft provides extra safety
- Pressure-temperature rating acc. EN 1092, company standard
- Approvals acc. to Firesafe and ATEX



ZEDOX HEXO® 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 200-1400/8" up to 56"
 - Wafer type: DN 80-800/3" up to 32"
 - Butt-weld ends: DN 200-1600/8" up to 64"
 - Fully Lugged Type: DN 80-800 /3" up to 32"
- **Nominal pressure:***
 - PN 10-40/Class 150
- **Material:***
 - Cast carbon steel (1.0619+N; SA216WCB)
 - Cast stainless steel (1.4408; SA351CF8M)
- **Temperature:***
 - 40°C up to +260°C
- **Flow media:**
 - Liquids
 - Gases
 - Vapours
- **Actuators:**
 - Manual gearbox
 - pneumatic actuators
 - electric actuators
 - hydraulic actuators

ZEDOX HEXO® AREAS OF APPLICATION

ZEDOX HEXO® is the optimal choice for planners, plant constructors and operators for a wide range of applications with water and steam.

MORE
ENERGY
EFFICIENCY
FOR YOUR
APPLICATION



AQUA GLIDER For Your Water Applications

Typical Areas of Application:

- Heat Supply / District Heating
- HVAC Applications
- Steel Industry
- Paper Industry
- Food and Beverage Industry, Sugar Industry

STEAM WHISPERER For Your Steam Applications

Typical Areas of Application:

- Heat Supply
- Power and Steel Plants
- Textile, Paper and Tyre Industry
- Food and Beverage Industry, Sugar Industry
- Shipbuilding and Airports
- Chemical and Pharmaceutical Industry



ZEDOX HEXO® Applications

More information about
ZEDOX HEXO® can be
found here zedox-hexo.com

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® / TEMPTRON®

Isolation



Process Valves
ZETRIX®
High Performance-Valves
ZEDOX®



Butterfly valves
ZESA®/GESA®



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®



Safety valves (ANSI)
REYCO® RL-series

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

Engineered Systems



Pressure reducing station
PREsys®



Heat exchanger
ENCOsys®



Condensate return system
CORsys®



**Feedwater tank
with deaerator dome**



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