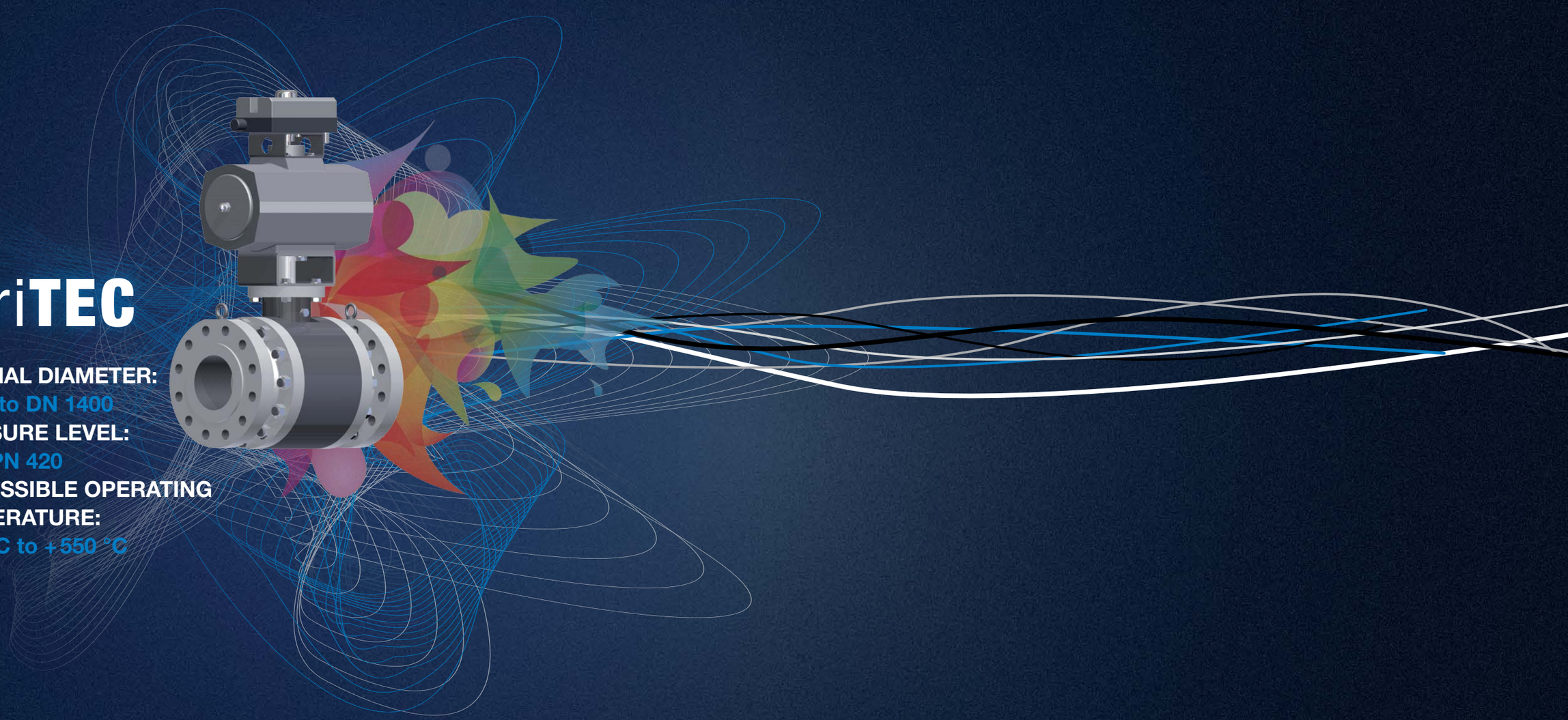
High Performance Valves

Engineering competence
in well-defined structures.



_variTEC

NOMINAL DIAMETER:
DN 25 to DN 1400
PRESSURE LEVEL:
up to PN 420
PERMISSIBLE OPERATING TEMPERATURE:
– 196 °C to + 550 °C

MEMBER OF THE AVK GROUP

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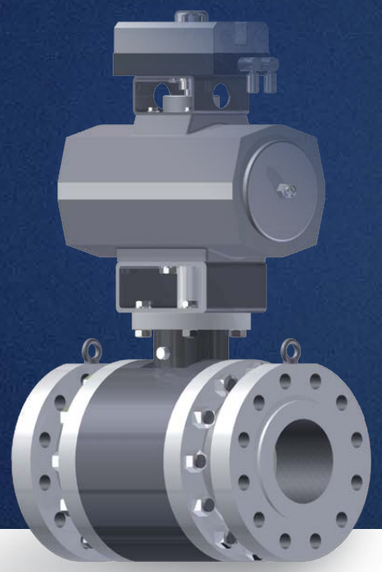
_variTEC
Ball valve



REFERENCES

Verbundnetz Gas AG, ExxonMobil, E.ON, Vattenfall, RWE, ThyssenKrupp, Evonik Degussa GmbH, Hyflux Ltd., Gasunie

DESCRIPTION

Our variTEC ball valve is used for shut-off, control and safety functions (HIPPS).
The ball valve provides universal possible applications for shut-off and/or regulation of the medium. This valve is suitable for almost every application due to the wide temperature range and the design with trunnion mounted ball, Double Piston Effect and Double-Block-and-Bleed function.

“YOUR TASK IS OUR VARIABLE SOLUTION!”

APPLICATIONS

Due to the robust construction, this valve is mainly used in power plants, crude oil and natural gas as well as in refineries, chemical process technology and for cavern hollowing and in cavern storage operation.

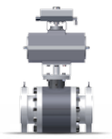
Suitable for media such as:
- hot steam
- water
- natural gas
- crude oil
- chemicals
- suspended solids
- district heat

CHARACTERISTICS

The ball valve enables precise control and regulation as well as reliable shut-off.
With rotary movement of the spindle between 0° and 90°, the hole of the ball releases the medium via the regulating wheel. There are two separate function levels due to the sealing function via the seat ring on the inlet side and the regulating function via the regulating wheel on the outlet side. The shut-off valve allowing flow in both directions where the sealing surfaces are in the reduced flow area guarantees a long service life.
The metallic sealing design with highly wear-resistant coating enables surface hardness up to 1600 HV10 which guarantees use as a wear valve.

Characteristics:
- screwed three-part case
- single-part fully welded case
- linear or even percentage control characteristics
- sealing on both sides
- blow-out safe spindle
- trunnion-mounted ball
- maintenance-free spindle sealing using Viton O-rings

DESIGNS



- shut-off valve
- control valve
- safety valve HIPPS

Actuation:
- manual actuation
- with mounting flange according to DIN ISO5211 for
  - electric drives
  - pneumatic drives
  - hydraulic drives
- flange according to DIN or ANSI
- weld-on end
- fully welded case
- underfloor with PUR coating
- spindle extension
- test/drainage line
- with blower
- ceramic versions (ball, seat and all parts coming into contact with media)