



High Performance Valves

Engineering competence
in well-defined structures.

TECpress

NOMINAL DIAMETER:

Inlet:
DN 25 to DN 500

Outlet:
DN 50 to DN 2000

PRESSURE LEVEL:

Inlet:
PN 25 to PN 630

Outlet:
PN 25 to PN 250

TEMPERATURE:

max. 620 °C



MEMBER OF THE **AVR** GROUP



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TECpress

Steam conversion station



REFERENCES

RWE, Bilfinger, Kraftanlagen München, ALSTOM, voestalpine, E.ON, Vattenfall



DESCRIPTION

The TEC artec TECpress steam conversion station is a combination of pressure, quantity and temperature control.

The subcritical controlled pressure release is integrated with the proven downstream temperature control systems into a complete solution.

Due to different design versions, various applications such as turbine bypass stations or district heat extraction can be realised.

APPLICATIONS

The TEC artec steam conversion station is specially intended for the reduction of pressure and temperature of steam (superheated steam).

Application areas:

- Turbine Bypass Station, HP/IP/LP applications
- District heat extraction



“ALWAYS SUBCRITICAL
AT CRITICAL PLACES!”

CHARACTERISTICS

Due to the special design, subcritical pressure reduction is performed in all load phases in accordance with the process conditions using a combination of spindle with perforated basket, regulated perforated baskets or labyrinth discs or static perforated baskets in the outlet. The temperature reduction is always realised using steam coolers, e.g. TECtemp injection valve or TECsteam steam booster nozzle. In this way, the components for the pressure reduction are protected against excessive load as compared with seat injection for temperature differences between feed water and steam. The use of silencers guarantees compliance with noise specifications.

Characteristics:

- angle-type body
- subcritical pressure regulation in all load ranges
- multiple stage pressure reduction with regulated restrictors
- homogenisation of the hot steam flow using downstream perforated discs
- pressure reduction with downstream steam cooling using steam booster nozzle or desuperheater
- forged parts
- manufacturer declaration SIL 2

DESIGNS

Actuation:

- electric
- pneumatic
- hydraulic

Connections:

- flange according to DIN or ANSI
- weld-on end

