



High Performance Valves

Engineering competence
in well-defined structures.

TECtemp HTL

Use from DN 150 steam line

COOLING WATER:

from DN 25

PRESSURE LEVEL:

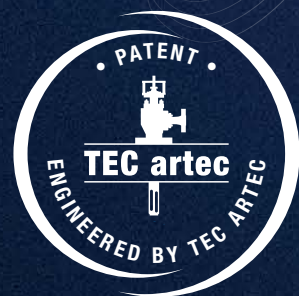
PN 25 to PN 400

TEMPERATURE:

max. 750 °C

CONTROL RATIO:

up to 50:1



MEMBER OF THE **AVR** GROUP



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TECtemp HT L

Lance cooler



REFERENCES

RWE, ALSTOM, energcity

DESCRIPTION

Our patented desuperheater TECtemp HT L lance cooler is suitable for applications at temperatures up to 750 °C due to non-moving parts in the steam flow.

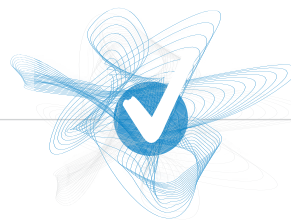
The three-part design makes it possible to bring the control unit with drive out of the high temperature range. The reduced weight of the steam lance has a positive effect on the support load of the steam line.

The functional principle is based on the design of the proven TECtemp desuperheater. During maintenance, the compact control unit can be easily removed and serviced individually.

APPLICATIONS

The injection system is suitable for installation in steam lines and in combination with steam pressure control valves in power plants, waste incineration plants, chemical plants etc.

- steam cooling



“LARGE CONTROL RATIO, NO LEAKS,
MINIMAL REMAINING PRESSURE LOSS!”

CHARACTERISTICS

The TECtemp HT L is an injection system which enables precise dosing of the injection amount for the temperature regulation of steam and hot gases by injecting water. It is possible to perform micro fine atomisation due to special nozzle actuation and the use of several regulated nozzles.

Characteristics:

- precise regulation of injection water amounts
- no moving parts in the steam flow
- easy to maintain thanks to easy access to the control section with drive
- linear characteristic curve, even percentage or customer-specific
- thermal separation by water feed at 0 m³/h injection to the mechanical moving and electrical parts
- thermal expansions between the individual components are absorbed using feed pipelines
- significantly reduced weight of the injection lance
- reduction of system vibrations
- very high operational reliability

DESIGNS

Actuation:

- electric
- pneumatic
- hydraulic

Connections:

- flange according to DIN or ANSI
- weld-on end
- metallic seal for high pressure and temperature applications

