

HP/LP Bypass valve

type DSV

the regulating cone and atomises the centrally supplied coolant immediately it leaves the regulating cone.

1. Application

The DSV series is suitable for conditions of the highest pressures and temperatures. Steam condition regulating valves of type DSV are used in all branches of industry where steam has to be simultaneously expanded and desuperheated.

The DSV carries out both duties without the need to install a cooler. For this reason its use is particularly attractive in power stations, steam distribution systems, in the chemical industry and paper mills, sugar factories etc.

2. Design and mode of operation

The steam condition regulating valve throttles and cools superheated steam in a single valve body.

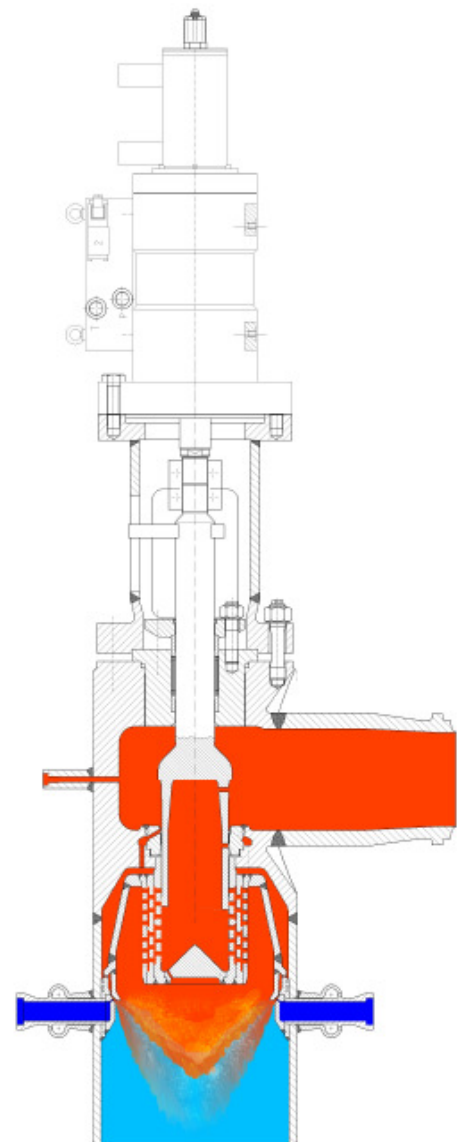
The operation of this valve is straight forward. It occupies very little space and is extremely economical due to its compactness and relatively low initial cost.

The steam condition regulating valve can be applied to practically any available steam condition from the highest pressures and temperatures right down to the lowest initial values. Through put rates for the valves are unlimited.

The coolant is not supplied directly into the steam flow, but is injected through a central hole in the valve spindle.

When the valve is opened, a relatively smaller flow from the main steam supply automatically enters an annular chamber in

The auxiliary steam flow immediately heats the coolant approximately to evaporation temperature. Even under conditions of partial load this ensures thorough mixing.



3. Design Features

- angular body
- Z-type body

- hydraulic actuator
- pneumatic actuator
- electric actuator

- steam atomising ring nozzle

- steam atomising spray nozzle

-forged materials

1.7335

1.7380

1.4903

-available sizes

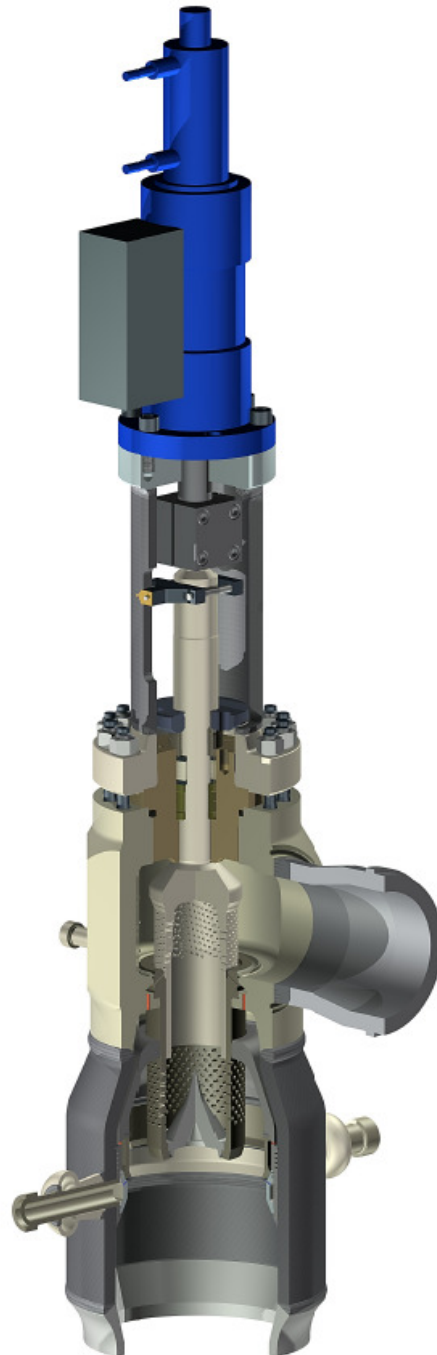
inlet

DN 50 – DN 500

Outlet

DN 80 – DN 1500

Multistage silencer



HP/LP STOP VALVE

