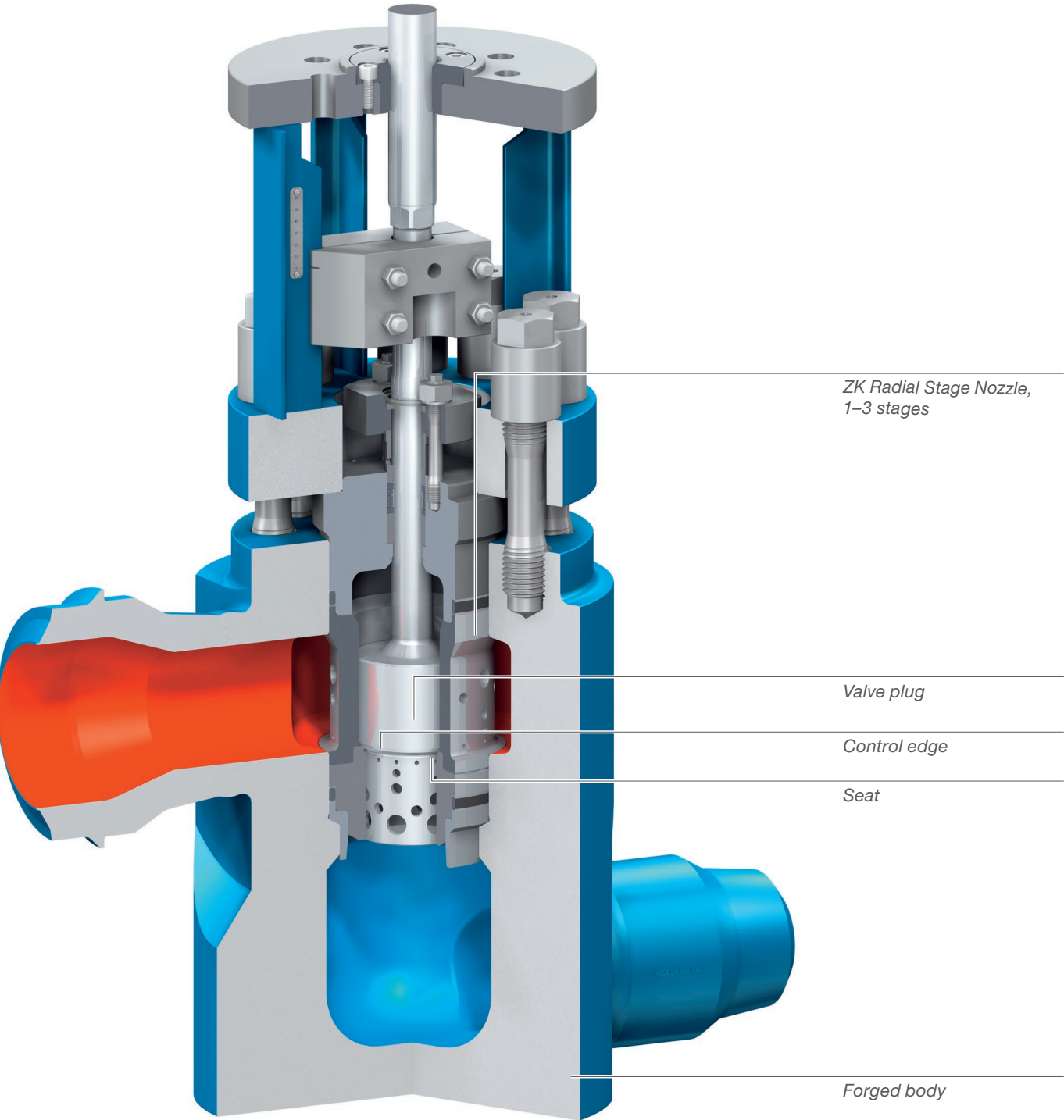


# Control Valve ZK 610 and ZK 613



## Control Valve ZK 610, ZK 613

ZK610, PN 250

ZK613, PN 630

$\Delta p_{\max}$  40 bar –  $\Delta p_{\max}$  120 bar (1740 psi)

$K_{vs}$  28 – 969 m³/h

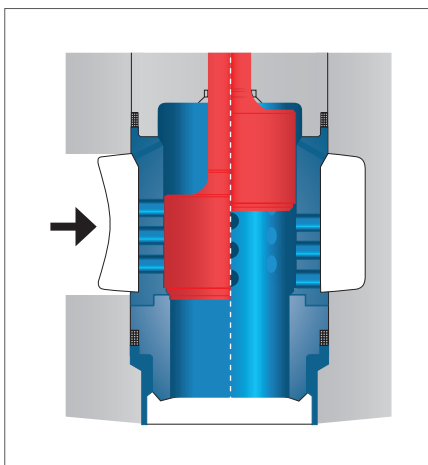
The control valve types ZK 610 and ZK 613 round off the ZK valve range with large  $K_{vs}$  values. Thanks to the modular design, it is possible to optimize the number of throttling units to suit the operating conditions. In addition, leakage-free pressure balancing can be used to reduce the actuating forces.

As with the ZK 29, the seating surfaces are protected against high flow velocities by means of a control edge at the valve plug. This design feature achieves the highest leakage-rate classifications according to EN and FCI with long service lifetimes. The entire ZK Radial Stage Nozzle including seat is easy to change, ensuring the highest level of availability.

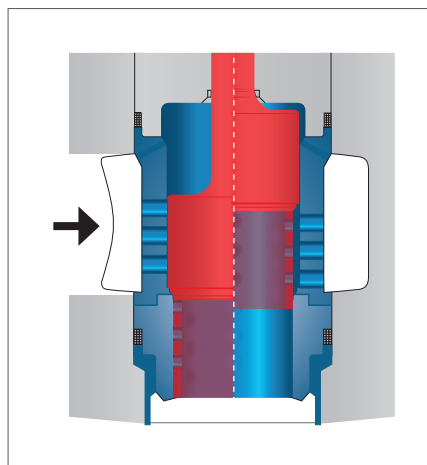
<b>Connections</b>	Butt-weld ends (EN, ASME)
<b>Actuators</b>	Electric (rotary or linear actuator), hydraulic, pneumatic
<b>Body material</b>	C22.8 (1.0460)
	16 Mo 3 (1.5415)
	10 CrMo 9 10 (1.7383)
	Other body materials on request

### Modular System of the ZK Radial Stage Nozzle for ZK 610, ZK 613

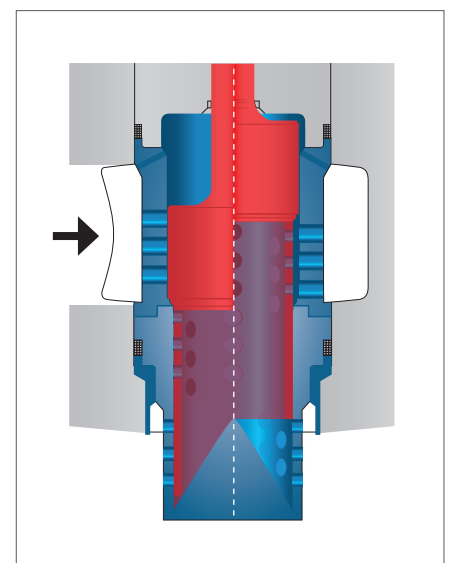
*The multi-stage pressure drop is adapted precisely to suit the operating conditions.*



1-stage expansion



2-stage expansion



3-stage expansion