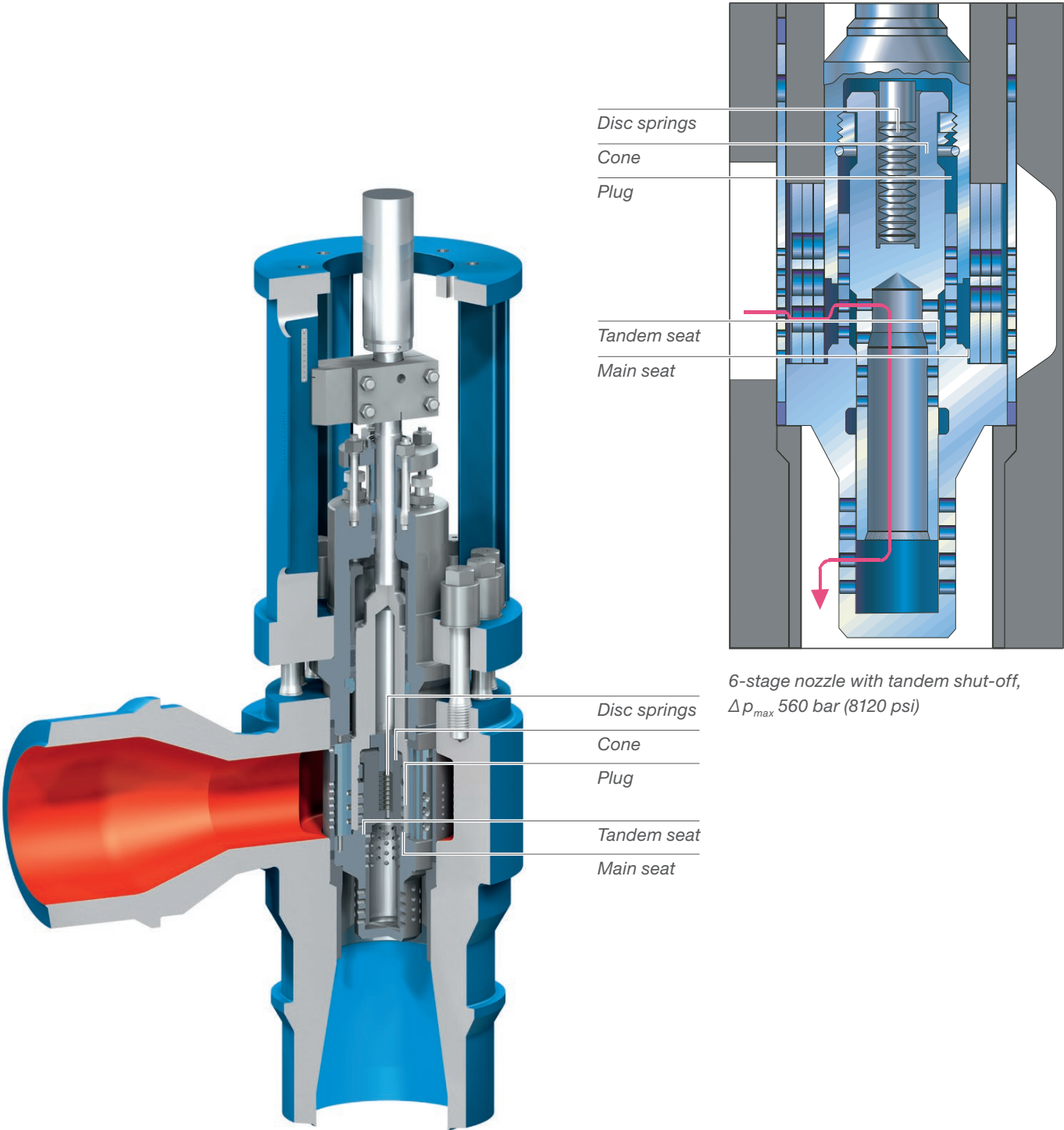


# Control Valve ZK 213 with Tandem Shut-Off



### Control Valve ZK 213

$\Delta p_{\max}$  300 bar (4350 psi)

$K_{vs}$  10 – 90 m<sup>3</sup>/h

$\Delta p_{\max}$  560 bar (8120 psi)

$K_{vs}$  10 – 70 m<sup>3</sup>/h

The tandem shut-off of control valve type ZK 213 ensures stable and low-wear operation as a control and shut-off valve for a pressure drop of  $\Delta p_{\max}$  300 bar or  $\Delta p_{\max}$  560 bar.

With this control valve, there is a choice of maximum differential pressures of  $\Delta p_{\max}$  300 bar or  $\Delta p_{\max}$  560 bar depend on the design. A subsequent change is possible by changing the internals.

The two additional throttling elements fitted downstream in the high-pressure version provide effective protection against wear. Due to the tandem shut-off, it combines the functions of a conventional isolating valve and control valve, and offers long service lifetimes. The leakage rates are in accordance with the highest EN and FCI classifications.

<b>Connections</b>	Butt-weld ends (EN, ASME)
<b>Actuators</b>	Electric (rotary, linear or lever actuator), hydraulic
<b>Body material</b>	16 Mo 3 (1.5415)
	15 NiCuMoNb 5 (1.6368, WB 36)
	Other body materials on request



*ZK 213 internals when new*



*Internals of a leak-off valve ZK 213,  
DN 100, after 13 years of operation  
 $p_1 = 374$  bar (5420 psi),  $p_2 = 11$  bar (159.5 psi),  
 $t = 172^\circ\text{C}$ ,  $\dot{m} = 35$  kg/s*