

# WSV SUPERIOR WATER STOP VALVE FOR SERIES 6P4

**NEW**



WSV Superior with 6P4 nozzle



WSV Superior without nozzle

During thermomechanical rolling of steel plate and when rolling stainless steel strip, descaling is not performed for every roll pass. Nozzle check valves are used here to prevent undesired surface cooling of the rolling stock caused by the system prefilling water, which would otherwise flow unrestricted through the nozzles.

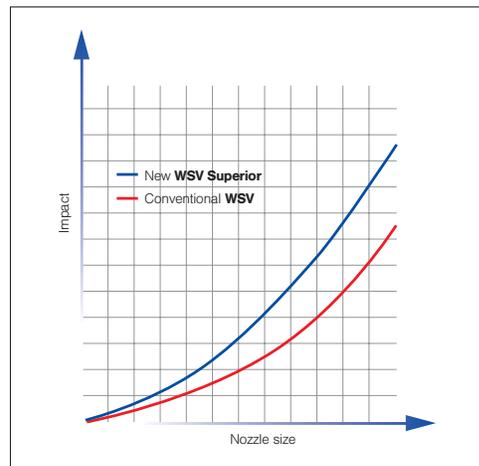
Increasing the impact compared with conventional nozzle check valves was the primary development goal for the WSV Superior water stop valve for the SCALEMASTER HPS series.

This was achieved in two stages of turbulence reduction. In the first stage the turbulences created when the water is passing through the valve seat are being calmed down by the patented needle geometry.

As a result of omission of a valve piston, this is followed by a further calming section in the flow guide tube with a large cross section before the water passes the second turbulence reduction stage, the proven jet stabilizer.

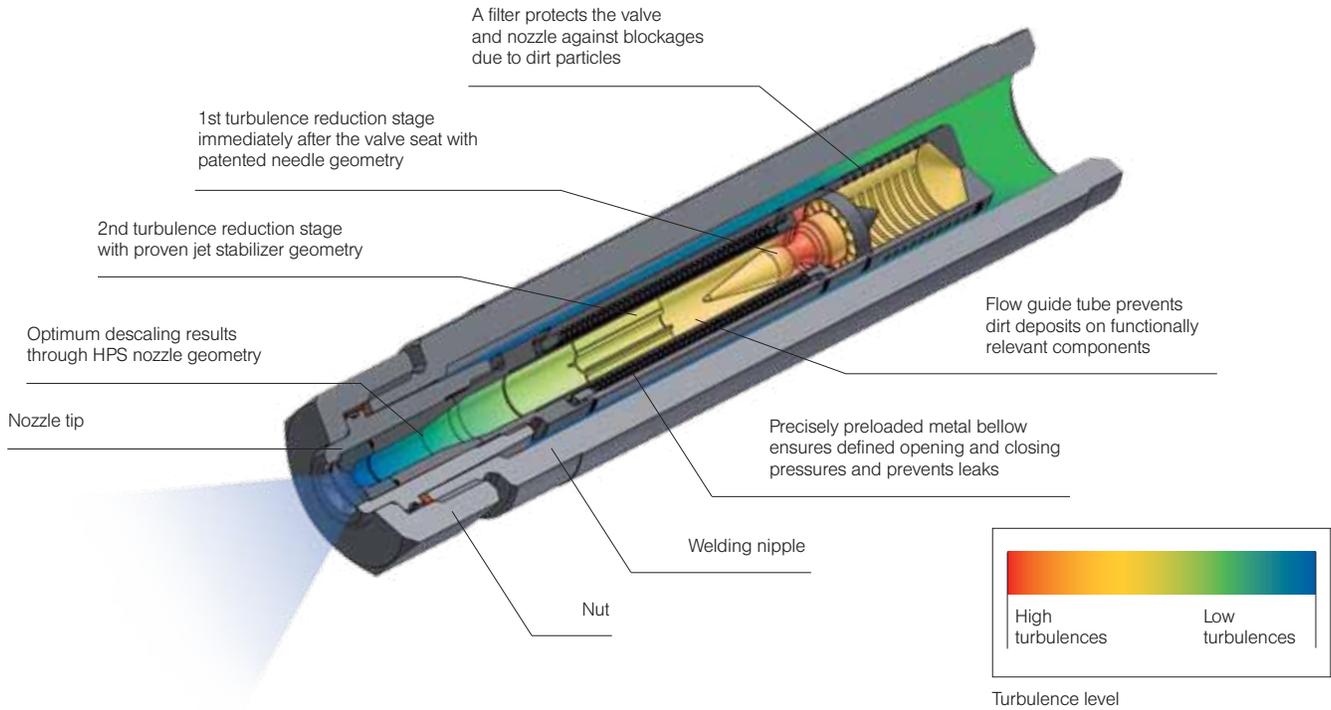
In comparison with conventional valves, the piston and coil spring were replaced in the new WSV Superior by a precisely preloaded metal bellows, which ensures defined opening and closing pressures and prevents leaks. A flow guide tube prevents dirt deposits on functionally relevant components. The metal and thus wear-resistant seal is maintenance-free and therefore reduces servicing costs.

A filter protects the valve and nozzle and increases operating reliability. The nozzle geometry of the SCALEMASTER HPS series ensures optimum descaling results.



Impact increase by WSV superior compared to conventional WSV depending on the nozzle size.

# FEATURES AND BENEFITS



For series	Ordering no.	Opening pressure [psi]	Closing pressure [psi]	Material
<b>SCALEMASTER HPS (6P4)</b>	<b>06P. 460. 1Y. 00. 00. 0</b>	203	116	Stainless steel

