

Sleeve Trim Selection

Standard Sleeves provided by Red Valve are very specialized components. Great care is taken to match the type of elastomer, pressure rating, and temperature limits to the customer's needs. This insures a long and maintenance-free service life. The full port of the standard sleeve provides uninterrupted flow just like another piece of pipe, and the flow remains streamlined when throttled.



Standard Sleeve

Cone Sleeves patented by Red Valve are designed for control applications. Cone sleeves provide tighter control with a 20:1 turndown ratio and 0.89 pressure recovery factor, along with an extra thickness of elastomer on the downstream side of the cone to increase its service life.



Cone Sleeve*

Double Wall Sleeves are designed for extremely abrasive slurries. The double wall sleeve has triple the thickness of elastomer than the Standard Sleeve. The next larger valve size must be used with the double wall to maintain a full port due to the additional thickness of the sleeve.



Double Wall Sleeve

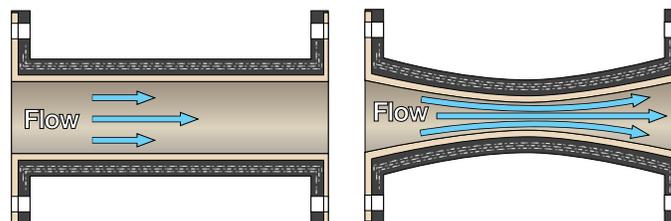
High Pressure Sleeves are designed for high pressure ANSI 300# applications up to 720 psi.



High Pressure Sleeve

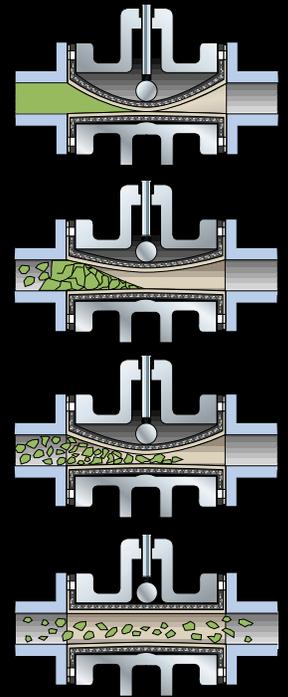
* Patented

Only a Red Valve Pinch Sleeve offers a laminar, non-turbulent flow pattern, due to the internal configuration of the sleeve. The flow pattern is streamlined, even when throttled.



Red Valves Self-Clean

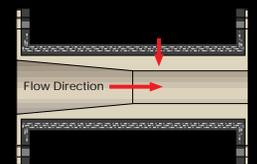
The pinch valve sleeve's flexing action breaks away any solid or dewatered slurry buildup. The full round port sleeve has no pockets for slurry to plug in or erode.



The self-cleaning design breaks up even dewatered lime.

Cone Sleeve Advantages

Cone sleeve trim provides tighter control with a 20:1 turndown ratio and 0.89 recovery factor. Pressure recovery occurs downstream of the sleeve, so cone sleeves can handle a higher pressure drop than other sleeve designs.



Throttling Service

The configuration of the cone sleeve reduces erosion and provides a smooth Venturi flow pattern for superior throttling capability.

