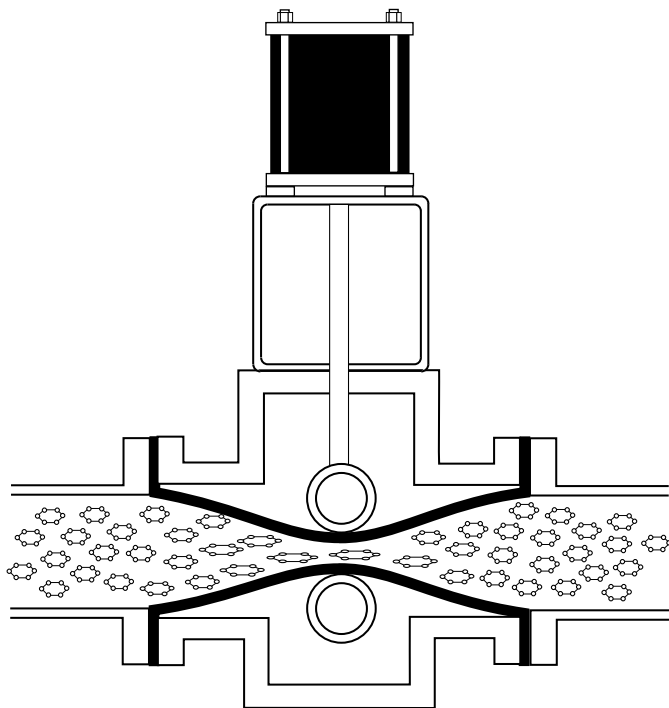


# Application Data

Chemical ♦ Shear Sensitive Polymers ♦ Control Valves



## RED VALVE IN SHEAR SENSITIVE POLYMER SERVICE



Shear sensitive polymers are not broken up and damaged by turbulence or cutting when passing through a Red Valve – the soft elastomer sleeve ‘caresses’ them.

## OUTSTANDING PERFORMANCE RECORD ON SHEAR SENSITIVE POLYMERS

Red Valves handle sensitive Polymers gently. They do not break up the polymer chain, but caress the chain as it flows through the valve. Microscopic inspection shows that there is less polymer breakdown after passing through a Red Valve than with any other type of valve on the market. Red Valve Control Valves are specified for this type of service because of this.

**Synthetic Polymer Fiber** materials also have long polymer filaments which lose their chain strength and length if subjected to agitation present in conventional type valves.

Red Valve’s Type A and Series 75 Valves are also used in producing **photographic film emulsions**. Photographic film emulsions are subject to shear damage caused by the cutting action and turbulence of standard butterfly, gate, and plug valves. A Belgian film manufacturer uses Red Valves to eliminate shear damage to their film emulsions. And, for similar reasons, **Aluminum Companies** use Red Valve Series 5200 Control Valves for their **‘Flocculent Injection’** processes.

Red Valve’s unique ‘flow through unobstructed design’ makes it an ideal valve for applications where other types of valves shear the polymer chain. The Red Valve closes gently on the polymer chain, thereby eliminating the shearing action that is caused by butterfly, plug, ball, and knifegate valves.

## Red Valve – The “Gentle Valve”.

