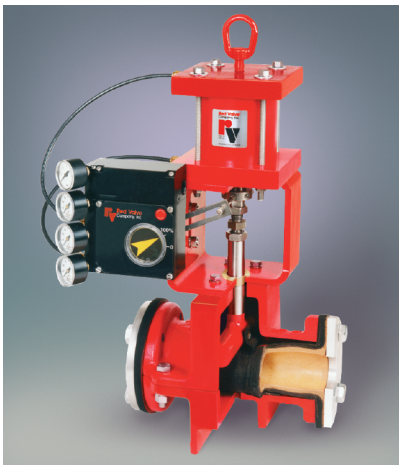
Series 5200

Control Pinch Valve

Red Valve Company, Inc.

- **High cycle life, repeatable control**
- **Sleeve is the only component in contact with the media, eliminating the need for expensive alloy bodies**
- **Versatile choice of sleeve trims to meet exact flow requirements**
- **External stroke adjustment**
- **Bi-directional, drop-tight shutoff**



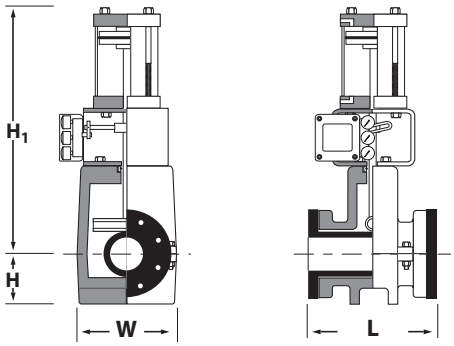
The Red Valve Series 5200 Control Valve design offers maximum durability with precise control and virtually eliminates maintenance. A heavy-duty pinch mechanism positions the sleeve for accurate control over a wide flow range. The valve has no packing to maintain or seats to wear, and the elastomer sleeve eliminates the need for expensive alloy bodies.

In sizes over 4", a bottom pinch bar is used to reduce the stroke length of the valve by pre-pinching the sleeve into a D-shaped port. The D-Port provides a more immediate response to control signal with no loss of flow capacity.

Cone Sleeves can be specified to further enhance control performance and match the exact Cv level desired. True feedback positioning is accomplished through the direct linkage of the pneumatic positioner to the valve stem shaft. There is no splitting of the positioner output. The benefits of true feedback positioning on Red Valve's Series 5200 valves are accurate small-change response signals to the positioner, causing similar changes in true valve position, greatly enhancing control accuracy.

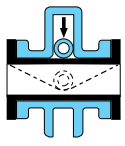
Materials of Construction

- **Ductile iron body**
- **Actuators: ATO/ATC, ATO/FC, ATC/FO**
- **Sleeves available in Pure Gum Rubber, Neoprene, Hypalon®, Chlorobutyl, Buna-N, EPDM and Viton®**
- **Drilled and tapped to mate with ANSI B16.5 Class 150 flanges**



SERIES 5200

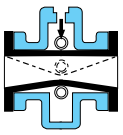
VALVE SIZE	LENGTH L	WIDTH W	HEIGHT H	HEIGHT ATO/ATC H_1*	WORKING PRESSURE psi**	WEIGHT ATO/ATC lbs*
1"	7-1/4"	6"	2-7/16"	19"	150	50
1-1/2"	8-3/4"	8"	2-3/4"	19"	150	95
2"	10"	8"	3-1/2"	22"	150	125
2-1/2"	10-7/8"	9"	4"	24"	150	150
3"	11-3/4"	11-1/2"	4-1/4"	26"	150	185
4"	13-7/8"	13-1/2"	6-5/8"	29"	150	225



Closing Action

SERIES 5200 - D PORT

6"	17-3/4"	16-7/8"	7-5/8"	36"	150	305
8"	21-3/8"	19-7/8"	9-1/8"	43"	125	395
10"	26-1/2"	23-1/2"	11"	43"	100	520
12"	29"	27-1/2"	11-13/16"	46"	100	709
14"	28"	31"	14"	51"	175	1,200
16"	32"	34"	15"	56"	50	1,600
18"	36"	44"	16-1/2"	59"	50	2,000
20"	40"	40"	17"	62"	50	2,450



Closing Action

* Consult factory for specific heights and weights of fail-close or fail-open valves.

** Higher working pressures available.

For larger valve sizes up to 72", consult factory.

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