

Type R All-Rubber Pinch Valve



- Automatic valve uses plant air
- Lightweight, all-elastomer design
- High cycle life
- Full port, large sealing area
- Cost-effective, virtually maintenance-free design

Red Valve's Type R All-Rubber Pinch Valve is an ideal valve for water, chemicals, solids and slurry applications. The Type R is easily installed between two pieces of pipe with hose clamps. Simply add 20-psi air pressure over line pressure and the valve closes drop-tight. For example, if process line pressure is 45 psi, 65 psi closes the valve.

The Type R has all the advantages of a Pinch Valve. There are no packing glands or seat crevices, and the full-port design eliminates bridging or slurry dewatering. Each time the valve flexes, it self-cleans.

Materials of Construction

- **Body:** Elastomer reinforced with high strength fabric
- **Tube:** Pure Gum Rubber, Ethylene Propylene Diene Terpolymer (EPDM)*, Acrylonitrile-Butadiene (NBR), Fluoroelastomer (FKM)*, Chloroprene (CR)*, Chlorosulfonated Polyethylene (CSM), Chloro-Isobutylene-Isoprene (CIIR)

* White food grade options available.

The Type R Pinch Valve is excellent for use with pulse-type control systems. The lightweight design of the Type R Pinch Valve makes pipe supports unnecessary. The Type R is an ideal valve to have in stock for an instant repair or to isolate a pipeline.

The Type R Valve's body is elastomer-reinforced with fabric bonded to the inner sleeve. The sleeve is the only wetted part. Air connection is a 5/16" valve stem. The unique one-piece design of the Type R Pinch Valve eliminates the need for actuators, making this an affordable and virtually maintenance-free valve.

Type R

DIMENSIONS in/mm								
VALVE SIZE	INNER DIAMETER D	LENGTH F TO F	BODY OUTER DIAMETER A	INSERTION DEPTH B	STEM HEIGHT C	NUMBER OF CLAMPS EACH END	WORKING PRESSURE psi/kPa	WEIGHT lbs/kg
1"	1.32	8.00	2.63	1.00	1.00	1	100	2
25mm	34	203	67	25	25	1	690	1
1.25"	1.61	8.00	3.00	1.00	1.00	1	100	2.5
32mm	41	203	76	25	25	1	690	1
1.5"	1.90	9.00	3.25	1.50	1.00	1	100	3
40mm	48	229	83	38	25	1	690	1
2"	2.38	10.00	3.69	2.00	1.00	2	100	4
50mm	60	254	94	51	25	2	690	2
2.5"	2.88	14.00	4.19	2.00	1.00	2	75	6
65mm	73	356	106	51	25	2	520	3
3"	3.50	16.00	4.88	3.00	1.00	2	75	8
80mm	89	406	124	76	25	2	520	4
4"	4.50	20.00	5.88	3.00	1.00	3	75	12.5
100mm	114	508	149	76	25	3	520	6
5"	5.56	22.00	7.00	3.00	1.00	3	75	17
125mm	141	559	178	76	25	3	520	8
6"	6.63	24.00	8.00	3.00	1.00	3	75	22
150mm	168	610	203	76	25	3	520	10
8"	8.63	30.00	10.06	3.00	1.00	3	50	35
200mm	219	762	256	76	25	3	350	16

