

PAV - Type A Megaflex Air-Actuated Pinch Valve



- Cost-effective, large-diameter pinch valve
- Body functions as built-in actuator
- Simple two-piece design made of body and sleeve
- No packing or seats to replace or maintain
- Seals on solids
- Full-port design eliminates head loss and reduces pumping costs

The Type A Megaflex is an economical large-diameter pinch valve that eliminates costly actuators. First introduced by Red Valve, the Type A Megaflex Air-Actuated Valve is available in sizes 30-84" (750-2100mm) and is simple in design and principle. As with every Red Valve Pinch Valve, the elastomer sleeve is the only wetted part, drastically reducing maintenance costs. The Megaflex Valve's actuation is accomplished by air or hydraulic pressure. The fabricated steel body acts as a built-in actuator, eliminating costly pneumatic, electric or hydraulic components. Pressure within the space between the body and the sleeve can open, throttle or close the valve. Unlike traditional gate and butterfly valve designs, there are no discs or gates to obstruct flow or create turbulence.

Like all Red Valve Pinch Valves, the Type A Megaflex Valves have a full port. Thousands of dollars of savings are realized because the Type A Megaflex has little head loss, which substantially reduces pumping costs.

Type A Megaflex are ideally suited for applications such as effluent discharge valves controlling raw sewage, storm overflow, flow equalization, tailings in mining operations and bulk material handling.

Red Valve also manufactures a line of large diameter manual or electric actuated pinch valves, available in sizes 30"-96" (750-2400mm).

Materials of Construction

- **Body:** Fabricated steel
- **Sleeves:** 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.
- **Drilled and tapped flanges:** ASME 125, ASME 150

Type A Megaflex

VALVE SIZE	DIMENSIONS in/mm		WORKING PRESSURE** psi/kPa	WEIGHT lbs/kg
	LENGTH L	HEIGHT H		
30" 750mm	60.00 1524	40.00 1016	50 350	4100 1860
36" 900mm	72.00 1829	48.00 1219	50 350	5000 2268
48" 1200mm	96.00 2438	60.00 1524	50 350	6200 2812
60" 1500mm	120.00 3048	74.00 1880	50 350	7900 3583
72" 1800mm	144.00 3658	87.00 2210	25 170	9900 4491
84" 2100mm	168.00 4267	100.00 2540	25 170	10,500 4763

** Higher working pressures are available.

