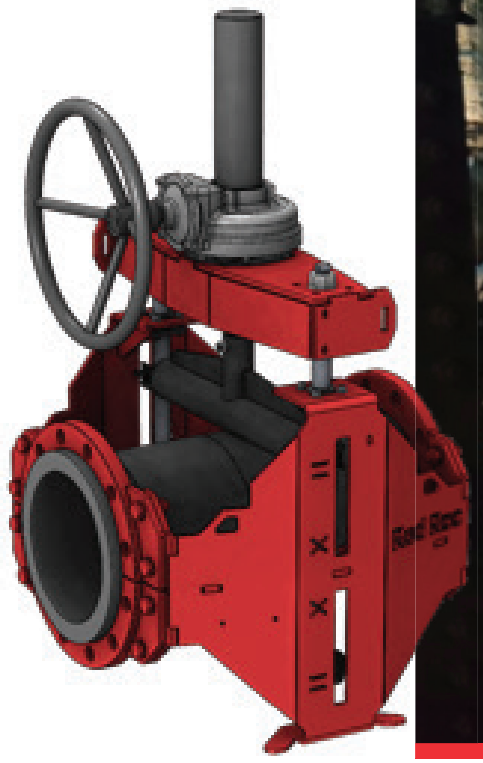
Red Roc Pinch Valve

Red Roc Pinch Valves are reliable, low maintenance, cost-effective valves engineered for tough slurries, dry and wet abrasives, and corrosive chemical applications. When fully open the 100% full bore design is identical to a rubber lined pipe. This design completely encapsulates the media being transported, and eliminates the risk of the media contaminating the mechanical working parts where in most other types of valves slurry can build up and impair operation of the valve or even cause complete valve failure.

Typical applications for Red Roc Pinch Valves:

- **Mineral Processing**
  - Mine tailings
  - Slurries
  - Corrosives
  - Acids
- **Power Generation**
  - Ash handling
  - Coal
  - Dust and scrubber slurries
- **Oil Sands**
  - Oil Drilling mud
- **Chemical Plants**
- **Mineral Dressing Plants**
- **Fertilizer manufacturers**
- **Sewage effluent treatment**
- **Slurry tailings valve**
- **Thickener or clarifier**
- **Cyclone isolation**
- **Dry hoppers**
- **Pneumatic Conveying**
- **Paper pulps**
- **Cement**
- **Pump isolation**



Features and Benefits

Due to the full bore design, turbulence is greatly reduced, which reduces wear and increases the life of the valve. Scale build stuck to the sleeve wall will break up and dislodge passing through the valve because of the flexing of the rubber sleeve. Red Roc Pinch Valves are bi-directional and feature a drop tight shutoff. They have been designed with a shortened face-to-face dimension, similar to that of a diaphragm valve.

Handwheel

Considered rim pull for ease of opening and closing

Feedback

Engineered for linear response for modulating and control applications; may be substituted for electronic encoder if required, recommended on large sizes

Position Indication

Valve position highly visible

Sleeve

Colour coded to designate pressure rating. Only wetted and wearing part wears

Actuator

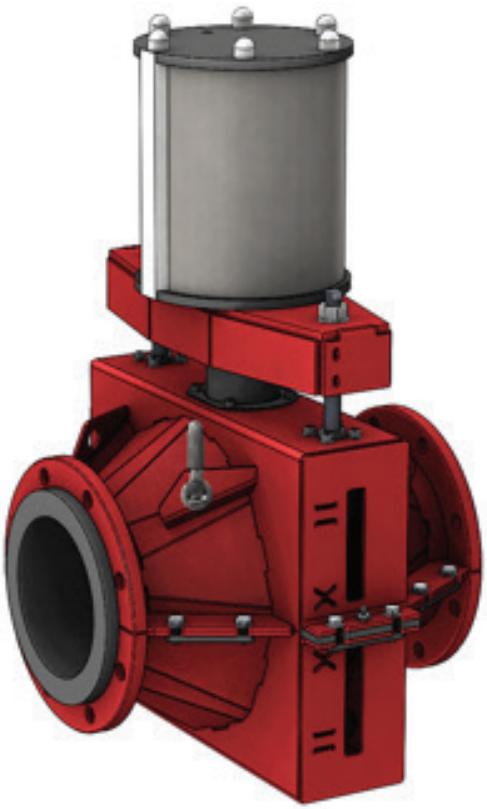
Designed and engineered to be correctly sized for the application

Actuator Coupling

Designed to be removed without disassembling the valve body

Bridge

Designed gap to reduce the risk of finger trapping



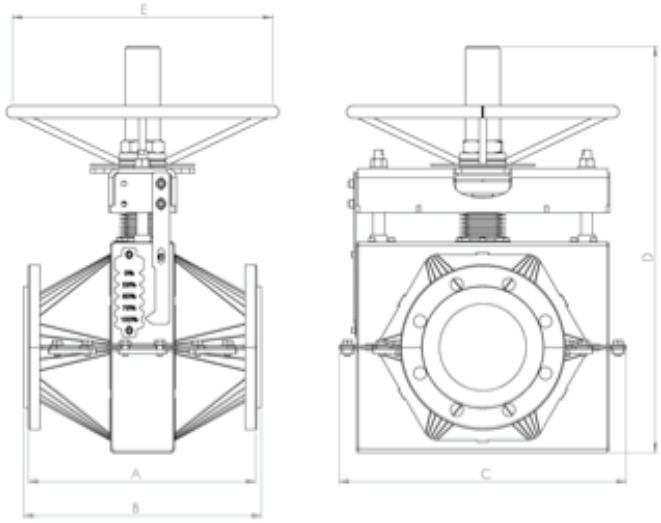
Body

Robust and shrouded to limit spillage trouble but it is not sealed. Finished with a high quality paint to offer superior corrosion resistance

Technical Specification

Available Flanges			
Spec	Pressure	Spec	Pressure
BS 4504/SANS 1123 1000/3	10 bar	DIN PN 10	10 bar
BS 4504/SANS 1123 1000/16	16 bar	DIN PN 16	16 bar
BS 4504/SANS 1123 1000/25	25 bar	DIN PN 25	25 bar
BS 10 TABLE D	6.89 bar	ANSI/ASME B16.1 #125 (grey cast iron, fits to B16.5 #150)	(<38°C) 1-12": 13.8 bar 14-24":10.3 bar
BS 10 TABLE E	13.78 bar	ANSI/ASME B16.5 #150 (steel)	17.2 bar

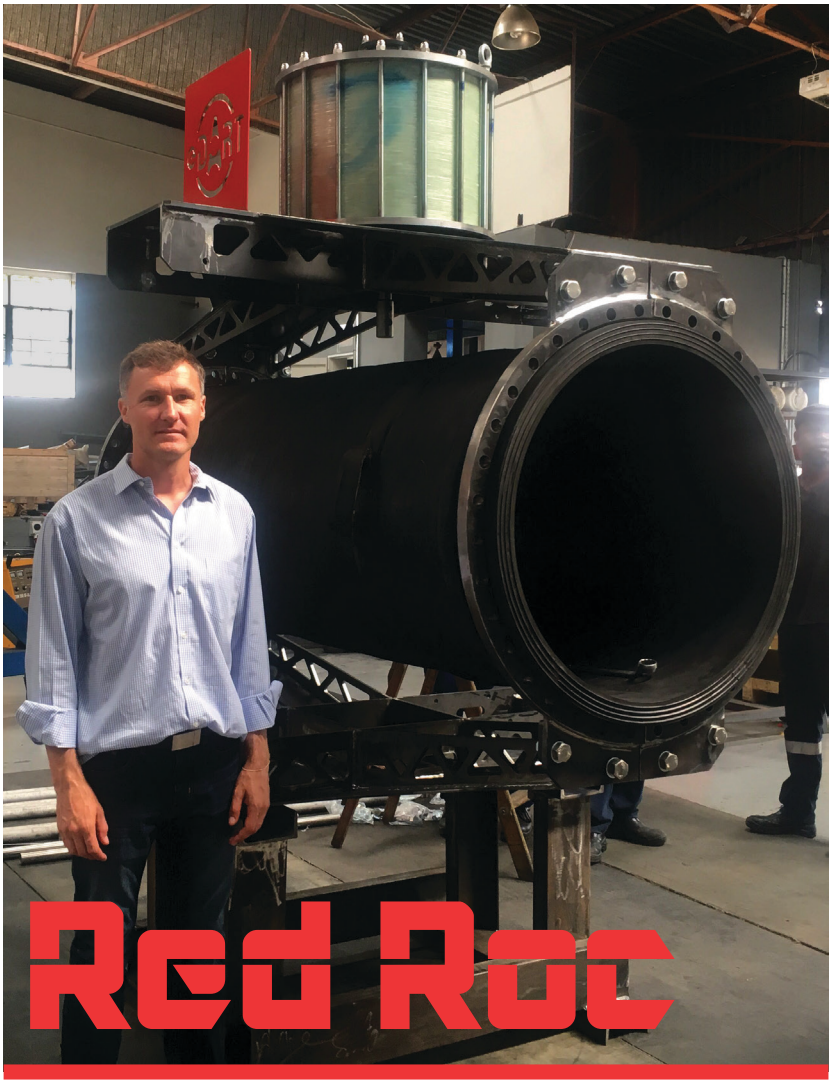
Material of Construction			
Part	Material Options	Part	Material Options
Body	Stainless Steel 316 or Phenoline Painted S355JR steel	Actuator	ECoated endplates and StSt 304 cover or all 316 Stainless Steel.
Pedestal	Stainless Steel 316 or Phenoline Painted S355JR steel	Sleeve	Reinforced Rubber



Higher pressures and larger sizes available on request

Dimension Table								
Size		Face-to-Face		C	D	E	Clearance	Weight
mm	in	A (frame)	B (sleeve)	(width)	(height)	(H/W)		
150	6	395	411	430	653	450	300	95
200	8	500	530	510	770	450	400	119
250	10	615	645	610	1043	600	450	181
300	12	730	760	780	1309	701	550	259
350	14	950	990	930	1670	900	680	438
400	16	1160	1200	1030	1915	GB‡	800	578
450	18	1310	1350	1090	2015	GB	900	624
500	20	1460	1500	1180	2135	GB	900	656

Contact Details



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