



Materials of Construction

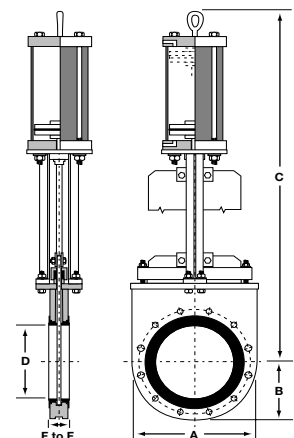
- ▶ Ductile Iron body 3" - 12"; cast iron body 14" - 30"; fabricated steel body 36" - 42"
- ▶ Standard sleeve materials: Pure Gum Rubber or EPDM, other materials available on request
- ▶ Standard gate: ASTM A240 T-316
- ▶ Optional gate: 17-4 pH, Hastelloy C or teflon-coated 316 SS

Series D Flexgate Actuated

Red Valve's Series D Flexgate Valves are available with pneumatic, electric or hydraulic actuators. Other options include limit switches, solenoids and air regulators.

The actuated Flexgate provides long-term abrasion resistance under high-cycle conditions. The valve self-cleans each time it is cycled and is ideal for automated operations.

Red Valve manufactures its pneumatic actuators using Black Amalgon, a fiberglass-reinforced epoxy resin. The actuator material is inert to most corrosive chemicals, hydraulic fluids, water and oil. It has an operating temperature range from -90°F to 225°F and can withstand maximum working pressures of 250 psi. Inside actuator walls are polished and impregnated with molydisulfide for reduced friction and wear. The piston seal is a long lasting O-ring. The piston rod is sealed with a lip seal, which is protected by a rod wiper ring. This wiper ring prevents dirt from being dragged through the seal.



Series D Flexgate Pneumatic

Valve Size	Working Pressure						Plant Air (psi)
	25 psi	50 psi	75 psi	100 psi	125 psi	150 psi	
3" - 4"	RD-6	RD-6	RD-6	RD-6	RD-6	RD-6	60
	RD-6	RD-6	RD-6	RD-6	RD-6	RD-6	80
6"	RD-6	RD-6	RD-6	RD-6	RD-6	RD-6	60
	RD-6	RD-6	RD-6	RD-6	RD-6	RD-6	80
8"	RD-6	RD-6	RD-6	RD-6	RD-6	RD-8	60
	RD-6	RD-6	RD-6	RD-6	RD-6	RD-6	80
10"	RD-6	RD-6	RD-8	RD-8	RD-8	RD-10	60
	RD-6	RD-6	RD-6	RD-6	RD-8	RD-8	80
12"	RD-6	RD-8	RD-8	RD-8	RD-10	RD-10	60
	RD-6	RD-6	RD-8	RD-8	RD-8	RD-10	80
14"	RD-6	RD-8	RD-8	RD-10	RD-10	RD-12	60
	RD-6	RD-6	RD-8	RD-8	RD-10	RD-10	80
16"	RD-6	RD-8	RD-10	RD-10	RD-12	RD-12	60
	RD-6	RD-8	RD-8	RD-10	RD-10	RD-12	80
18"	RD-8	RD-10	RD-10	RD-12	RD-14	RD-14	60
	RD-6	RD-8	RD-10	RD-10	RD-12	RD-12	80

Electric Actuators recommended for valve sizes 20" - 72". Consult factory for dimensions.