

# Non-Rising Flexgate



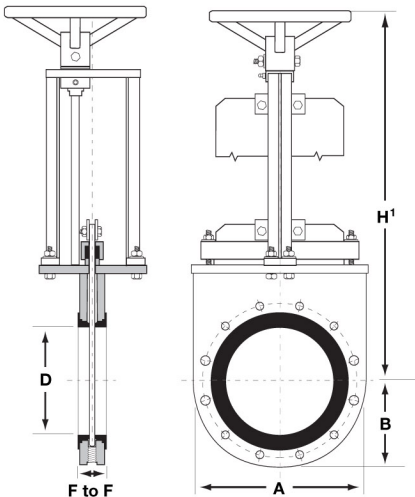
## Materials of Construction

- ▶ Cast iron body through 30"; fabricated steel 36" - 72"; optional 304 SS or 316 SS body
- ▶ Gate ASTM A240 T-316 Optional 17-4 pH, Hastelloy C or teflon-coated 316 stainless steel
- ▶ Slurry sleeves available in Pure Gum Rubber, Buna-N, EPDM and Viton®

Red Valve's Non-Rising Stem Slurry Knife Gate Valve is built to the same engineering standards as the traditional Rising Stem Flexgate Valve. The Non-Rising Stem feature allows this valve to be used in applications where space is limited. Removable rubber cartridge seats on either side of the gate provide a bi-directional seal and excellent wear resistance. The seats are metal reinforced and available in a wide variety of elastomers for abrasion resistance and chemical compatibility. A port at the base of the valve allows for flushing.

The Non-Rising Stem Flexgate Valve provides a bi-directional shutoff. A heavy-duty topworks is standard. The relatively simple design eliminates expensive overhauls, unscheduled shutdowns and costly replacement parts – the only replacement parts are the slurry seats and packing.

Flexgate Valves of 3" - 12" are provided with standard handwheel mechanisms featuring fabricated aluminum tubular handwheels, machined 303 stainless steel stems with yoke sleeves and thrust washers designed to reduce operating torque. It is recommended that manual Flexgate Valves 12" and larger be specified with a 4:1 bevel gear actuator to reduce rim pull. Pneumatic and electric operators are available.



Valve Size D	Length F to F	Width A	Height B	Height Open or Closed H	Stem Diameter	Gate Thickness	Max. Working Pressure (psi)	
							Gate Material	
							316 SS	17-4 pH
3"	2"	8"	3 7/8"	20 1/8"	3/4"	1/4"	150	150
4"	2"	9 1/4"	4 3/4"	21 1/4"	3/4"	1/4"	150	150
6"	2 1/4"	11 1/2"	5 7/8"	24 1/16"	1"	1/2"	150	150
8"	2 3/4"	14"	7"	29 9/16"	1"	1/2"	150	150
10"	2 3/4"	16 3/4"	8 3/8"	35 7/16"	1"	1/2"	150	150
12"	3"	20 1/8"	10 1/16"	40"	1"	1/2"	100	150
14"	3"	21 1/2"	11"	46 5/8"	1"	9/16"	100	150
16"	3 1/2"	24"	12 1/2"	50 1/2"	1 1/2"	5/8"	100	150
18"	3 1/2"	25 3/4"	13 1/4"	55 5/8"	1 1/2"	3/4"	100	150
20"	4 1/2"	27 1/2"	13 3/4"	60 15/16"	1 1/2"	7/8"	100	150
24"	4 1/2"	32 1/2"	16"	69 11/16"	1 1/2"	1"	100	150
30"	5"	38 3/4"	19"	91 5/8"	2"	1 1/8"	75	125