

## Slurry Wafer Knife Gate Valve SKW



**HEAVY DUTY Slurry Knife Gate Valve isolates flow, even in the most demanding process conditions. The complete valve is built around an ease of maintenance concept.**

**The Flowrox SKW contains only three service parts; ring sleeves, upper seal and the valve gate.**

### USABILITY BASED ON DESIGN

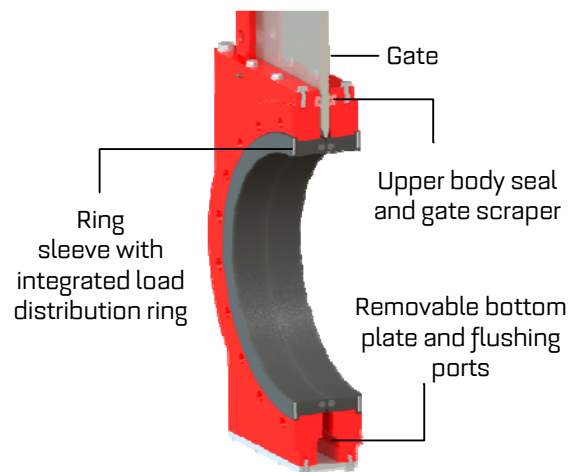
Flowrox SKW represents a new generation of knife gate valves.

The SKW design is born from the many years of experience Flowrox has gained, providing reliable solutions for abrasive and corrosive process applications.

**Distribute the load** – Flowrox SKW features a new load distribution ring that prevents over compression and ensures 100% sealing between the ring sleeve and the valve gate. To add to ease of maintenance, the load ring has been integrated into valve sleeves.

**Act freely** – The universal tower design of the valve accommodates most actuator types, allowing for actuator interchangeability after valve installation. The tower also ensures that the top plate, body and actuator are always aligned with the pipeline and the gate is in the right position.

**Make it easy** – In installation, bolts can be pushed through the flange and they act as a guard during the installation. The valve body itself is one piece and takes away the need for sealing between the body halves. It also makes the maintenance easy to perform.



### Benefits in the process

- Bi-directional flow tolerates backflow
- Free flow of the process medium
- 100% isolation
- Only the ring sleeves in contact with the process medium
- Integrated load distribution ring
- Integrated upper body seal and gate scaper
- Removable bottom plate accommodates flushing ports
- Face-to-face according to industry standard

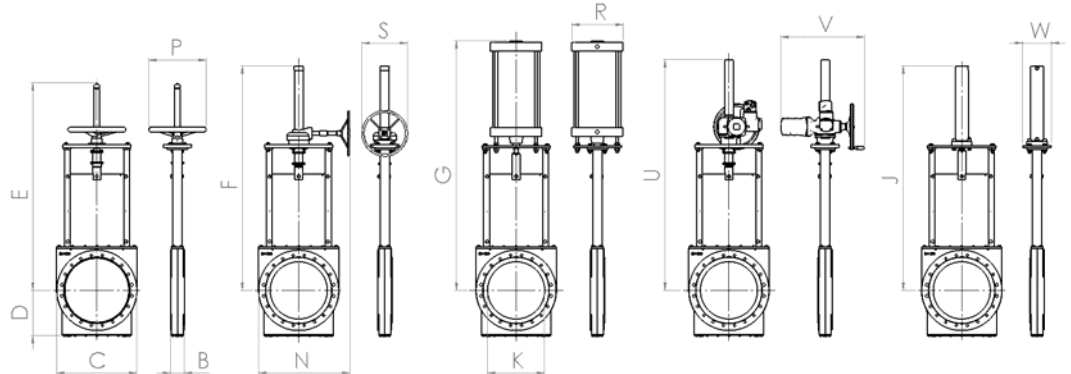
## PRODUCT SPECIFICATION

Type	Size (DN)	Actuator	Pressure class (PN)	Flange drilling	Body material	Gate material	Ring sleeve material	Auxiliaries
SKW	2 3 4 6 8 10 12 14 16 18 20 24	M = handwheel MG = manual with gearbox A = pneumatic AU = pneumatic with pneumatic spring H = hydraulic E = electric	150 = 150 psi standard	2 = DIN PN10 3 = DIN PN16 4 = DIN PN25 5 = DIN PN40 6 = ANSI150 7 = ANSI300 9 = other	Ø = Cast iron / Welded steel 2 = AISI 316 4 = other	S = AISI 316 Other on request COATING: Ø = nothing	NR = natural rubber +167°F max NBR = nitrile +212°F max EPDM = ethylene propylene +248°F max	R = readiness for inductive limits R1 = AC/DC R2 = DC, PNP R3 = DC, NPN Z1 = solenoid valve, 24V DC Z2 = solenoid valve, 220V, 50/60 Hz Z3 = solenoid valve, 110V, 50/60 Hz G = guard

Type marking example: SKW3M150-20S0-NR-R1

### Standard features

- Gate lock out pins (M, MG & A actuators)
- Bottom plate with flushing ports
- Stem protection (M, MG & E actuators)



### DIMENSIONS AND WEIGHTS

Valve size (DN)	B	B*	C	D	E	F	G	J	U	K	N	P	R	S	V	W	Weight (kg)				
					M	MG	A	H	E		MG	M	A	MG	E	H	M	MG	A	E	H
2	2.1	2.3	6.5	4	22.3	-	23	-	-	-	-	13.8	4.3	-	-	-	44	-	37	-	-
3	2.2	2.4	7.9	4.4	24.7	-	26.9	-	29.1	3	-	13.8	4.3	-	20.2	-	53	-	49	106	-
4	2.2	2.4	9	5.2	25.5	-	28.5	-	29.6	4	-	13.8	4.7	-	20.2	-	66	-	62	112	-
6	2.5	2.7	11.2	6.2	36.3	-	38.3	-	34.6	6	-	13.8	6.9	-	20.2	-	93	-	108	141	-
8	3	3.1	13.6	7.4	39.6	45.2	43.9	38.9	38.3	8	18.3	13.8	8.7	15.7	20.2	6	134	192	165	183	130
10	3	3.1	16.1	8.8	44.6	-	51.8	-	45.3	10	-	13.8	9.8	-	21.2	-	181	-	249	229	-
12	3.3	3.4	19	10.3	-	54.3	59.5	-	53.7	12	21	-	13.4	15.7	21.2	-	-	295	419	331	-
14	3.3	3.4	21	11.2	-	57.3	65.4	59.9	58.3	14	22	-	13.4	15.7	28.5	8	-	320	474	406	322
16	3.7	3.9	23.6	12.7	-	62	70.8	66.9	63	16	27.5	-	13.4	15.7	28.5	8	-	410	573	489	412
18	3.7	3.9	25.4	13.9	-	73.8	80.7	72.1	72.2	18	30.1	-	17.7	15.7	28.5	10	-	505	703	578	536
20	4.8	4.9	27.7	15.9	-	77.2	85.8	77.2	79.3	20	31.5	-	17.7	15.7	28.8	10	-	697	882	816	705
24	4.8	4.9	32.5	17.6	-	88.6	91.5	90.2	88	24	33.9	-	24.8	15.7	31.1	10	-	1016	1305	1172	1067

B\* Ring sleeve uncompressed

Dimensions and weights are indicative only – detailed drawings are available on request. All dimensions are in inches.

