



# | Valves with the Leading Edge

## Model 980 Bonneted Knife Gate Valve

FIG 980 is the bonneted version of the FIG 950 uni-directional knife gate valve. It features a cast or fabricated body with mounting flange and a cast or fabricated bolt-on bonnet. The sealing to atmosphere is achieved using a round gland sealing arrangement on the top of the bonnet. This assures very tight sealing that is normally not feasible on standard knife gate valves with a large rectangular packing. A standard superstructure mounted above the bonnet with a rising stem hand wheel is generally used. Adaptations for non-rising stem, enclosed gear hand wheel, extensions etc. are also available. Valves are offered in ductile iron or stainless steel body construction with bonnets in the same material and CWP rating as standard.



### Typical Applications

- Applications requiring extreme gland tightness such as involving dangerous gases
- Buried services

### Specifications

Type	Bonneted uni-directional knife gate valve
Size range	2" to 60" (higher sizes on application)
Pressure rating	CWP-150psi standard up to 12"; others on request
Endstyle	Wafer, flangeless
Face-to-face	As per MSS SP-81
Drilling	Suitable for mounting between flanges drilled to ANSI 150lb (standard); others on request.
Body	Ductile iron standard; steel, stainless steel options
Bonnet	Ductile iron standard; steel, stainless steel options. Purge ports are provided as standard
Seat	Replaceable, drop-in seats; 304/316 Stainless steel, stellite is standard; others on request.
Gate	304/316 stainless steel; others on request
Packing	PTFE syntax standard; others on request
Stem	304 stainless steel standard; others on request
Superstructure	Steel, epoxy coated standard; others on request
Actuator options	Direct mounted rising stem hand wheel standard; non-rising hand wheel, chain wheel, geared hand wheel, pneumatic cylinder and electric actuator options available

\* Also available as model [FIG 985](#) in a [FULL LUG](#) version

### Test Specifications

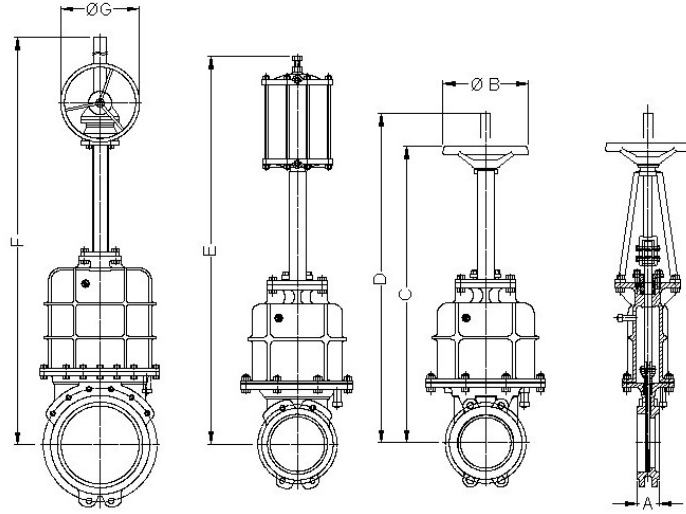
Body shell test	As per MSS SP-81 norms- tested at 1.5 times CWP
Seat test	Generally as per MSS SP-81 norms – consult VAAS for details

## Painting

Standard paint is two-pack epoxy in blue color (other paint options available on request)

## Dimensions (inches)

Size	A	B	C	D	E	F	G
2"	1.88	8	23	24	30	--	--
3"	2	8	27	30	33	--	--
4"	2	8	29	32	38	--	--
5"	2.25	10	32	36	42	--	--
6"	2.25	10	34	39	45	--	--
8"	2.75	12	40	47	54	--	--
10"	2.75	16	45	55	60	58	20
12"	3	16	50	62	70	64	20
14"	3	20	53	66	79	69	20
16"	3.5	20	58	73	82	75	20
18"	3.5	20	64	82	91	84	20
20"	4.5	20	76	95	106	97	20
24"	4.5	20	86	108	120	111	20



Dimensions given above are indicative. Please request certified drawings for piping layout

## Actuator Selection

Size	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Direct Handw heel	CHG	CHG	CHG	CHG	CHG	CHG	CHG	CHG	CHG	CHG	CHG	CHG
Gear Handw heel	--	--	--	--	--	G01	GO1	GO1	GO1	GO1	GO1	GO2
Pneumatic DA cylinder	CCGC3	CCGC4	CCGC4	CCGC6	CCGC8	CCGC10	CCGC12	CCGC12	CCGC12	CCGC12	CCGC16	CCGC16

## Ordering

Please contact VAAS Americas for complete ordering information .

### VAAS AMERICAS

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