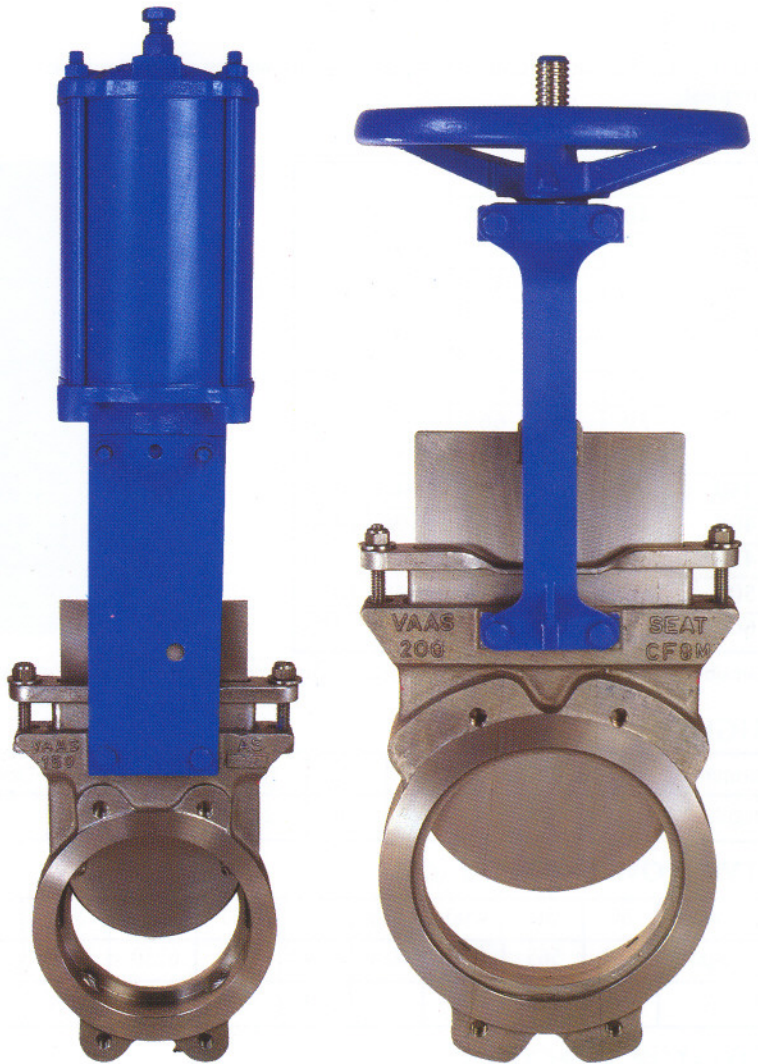


## Model 950 Knife Gate Valve

Model 950 is designed as a cost effective and versatile solution for most knife gate applications. The key design feature is the two lug single piece cast body, which ensures optimum functional capabilities with lower body weight and cost. The design offers a choice of either cast or plate superstructure (yoke) which also permits interchangeability between manual and pneumatic actuators. A cast body is more rugged and offers better leak tightness than a fabricated or cast two-piece body; it also is superior to cast valves with stainless steel lining which are more susceptible to corrosive and erosive wear.



### SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Type                  | Uni-directional knife gate valve   |
| Size range            | 50mm to 600mm (higher sizes on application)  |
| Rating                | 10 bar CWP upto 600mm for valves with body in SS and special alloys; 10 bar CWP upto 300mm, 5 bar on higher sizes upto 600mm with body in cast iron / ductile iron |
| Endstyle              | Wafer; flangeless, two lug   |
| Drilling              | Options include ANSI, DIN, BS, JIS and AS standards; others on request   |
| Body                  | Stainless Steel and special alloys   |
| Gate                  | Stainless Steel and special alloys   |
| Seat                  | Integral metal-to-metal, replaceable soft-seat (EPDM, Viton etc)   |
| Packing               | Braided yarn, PTFE (different grades) and others   |
| Actuator              | Handwheel, chainwheel, bevel gear handwheel or chainwheel, VAAS Pneumatic double-acting cylinder and electric actuators  |
| Accessories & Options | Various accessories and special construction options are available for this model. Please refer relevant Product Datasheets for details                            |

## TEST SPECIFICATIONS

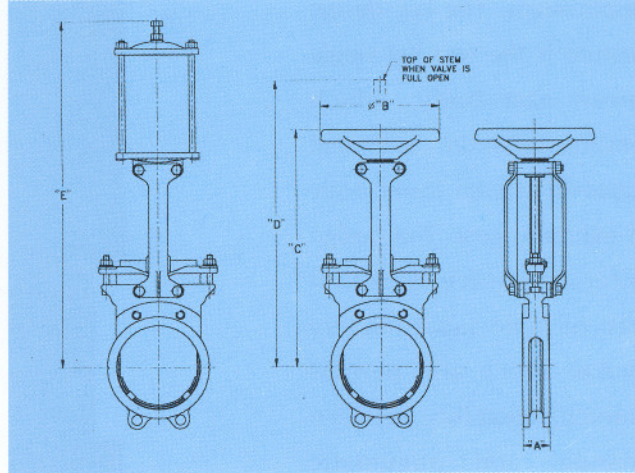
|                   |  |
|-------------------|--|
| Body shell test   | As per MSS SP81 norms<br>Hydrotest at 1.1 times CWP for cast iron valves   |
| Seat leakage test | <b>Metal seated valves</b><br>As per MSS SP81 norms<br>Proprietary norms on larger sizes<br><b>Resilient seated valves</b><br>Zero leakage |

## PAINTING

Except for stainless steel components, all exteriors will be painted with blue enamel paint. Special paint options available on request.

## DIMENSIONS (MM)

| Size | A   | B   | C    | D    | E    |
|------|-----|-----|------|------|------|
| 50   | 48  | 203 | 310  | 335  | 465  |
| 80   | 51  | 203 | 375  | 425  | 555  |
| 100  | 51  | 203 | 420  | 495  | 620  |
| 125  | 57  | 254 | 470  | 565  | 720  |
| 150  | 57  | 254 | 510  | 625  | 780  |
| 200  | 70  | 305 | 610  | 775  | 955  |
| 250  | 70  | 406 | 665  | 915  | 1100 |
| 300  | 76  | 406 | 755  | 1055 | 1275 |
| 350  | 76  | 508 | 885  | 1240 | 1430 |
| 400  | 89  | 508 | 900  | 1300 | 1490 |
| 450  | 89  | 508 | 1025 | 1485 | 1670 |
| 500  | 114 | 508 | 1140 | 1640 | 1885 |
| 600  | 114 | 508 | 1335 | 1940 | 2185 |



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

## WEIGHTS

| Size (mm)   | 50 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
|-------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Weight (kg) | 9  | 13 | 15  | 20  | 22  | 36  | 57  | 75  | 90  | 130 | 160 | 270 | 340 |

## VALVE FLOW CAPACITY (Cv)

| Size (mm)  | 50  | 80  | 100  | 125  | 150  | 200  | 250  | 300  | 350   | 400   | 450   | 500   | 600   |
|------------|-----|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| Round port | 240 | 565 | 1040 | 1670 | 2440 | 4460 | 6250 | 9400 | 12500 | 16500 | 21400 | 27000 | 39700 |
| V-Orifice  | 89  | 210 | 386  | 610  | 900  | 1660 | 2320 | 3490 | 4650  | 6110  | 8000  | 10101 | 15100 |

## ACTUATOR SELECTION

Please refer actuator selection tables in Product Datasheet - 200

## OPTIONAL CONSTRUCTIONS

Model 950 valves can be offered with a variety of optional constructions. Please refer Product Datasheet - 300 for complete details

## ACCESSORIES

Model 950 valves can be offered with a variety of optional accessories. Please refer Product Datasheet - 400 for complete details

## ORDERING

For ordering information please refer Product Datasheet - 100. In view of continuous product improvement activities, specifications are subject to change



\* All statements, technical information, and recommendations in this bulletin are for general use only. Consult VAAS representatives or factory for the specific requirements and material selection for your intended application. The right to change or modify product design or product without prior notice is reserved.

VAAS/950/2500-RP/07/2000