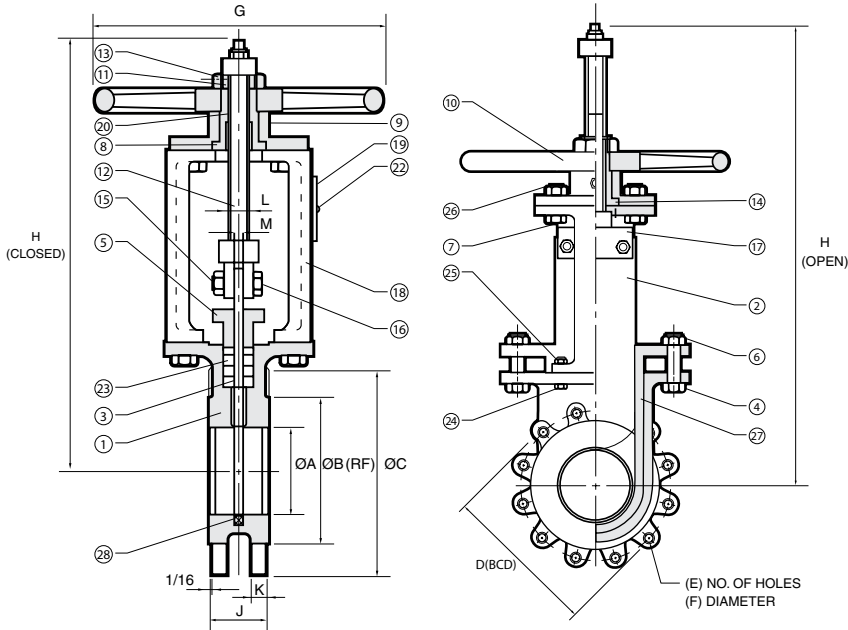


# STAINLESS STEEL KNIFE GATE VALVES

FIG. 74, STAINLESS STEEL - FULL PORT - BI-DIRECTIONAL RESILIENT SEAT

FIG 74B - CF8M (316)

FIG 74L - CG8M (317)



- Optional seat: HYCAR (BUNA N or NITRILE)
- Handwheel actuator standard.
- Chainwheel, bevel gear, electric, hydraulic or pneumatic actuators are available.
- Valves 30" and larger, or in special alloys like CN7m (Alloy 20), Duplex SS, Hastelloy are available on request.

## DIMENSIONS - INCHES

| Valve Size | A      | B      | C    | D     | E  | F          | G   | h       | H       | J     | K      | L     | M      | Weight lbs |
|------------|--------|--------|------|-------|----|------------|-----|---------|---------|-------|--------|-------|--------|------------|
| 2          | 2      | 3.625  | 6    | 4.75  | 4  | 0.625 - 11 | 8.5 | 12.75   | 15      | 1.875 | 0.5    | 0.75  | 0.3125 | 31         |
| 2.5        | 2.44   | 4.125  | 7    | 5.5   | 4  | 0.625 - 11 | 8.5 | 13.75   | 16.375  | 2     | 0.5    | 0.75  | 0.3125 | 35         |
| 3          | 2.875  | 5      | 7.5  | 6     | 4  | 0.625 - 11 | 10  | 16.6875 | 19.6875 | 2     | 0.5    | 0.75  | 0.3125 | 38         |
| 4          | 3.875  | 6.1875 | 9    | 7.5   | 8  | 0.625 - 11 | 10  | 19.1875 | 23.375  | 2     | 0.5    | 0.75  | 0.3125 | 65         |
| 6          | 5.875  | 8.5    | 11   | 9.5   | 8  | 0.75 - 10  | 14  | 22.9375 | 29.125  | 2.25  | 0.5625 | 1.125 | 0.3125 | 86         |
| 8          | 7.875  | 10.625 | 13.5 | 11.75 | 8  | 0.75 - 10  | 14  | 26.5625 | 34.75   | 2.75  | 0.625  | 1.125 | 0.375  | 140        |
| 10         | 9.875  | 12.75  | 16   | 14.25 | 12 | 0.875 - 9  | 18  | 30.8125 | 41.125  | 2.75  | 0.75   | 1.125 | 0.4687 | 187        |
| 12         | 11.875 | 15     | 19   | 17    | 12 | 0.875 - 9  | 18  | 36.0625 | 47.125  | 3     | 0.75   | 1.125 | 0.5625 | 225        |
| 14         | 13.125 | 16.25  | 21   | 18.75 | 12 | 1 - 8      | 20  | 38.5    | 52.5    | 3     | 0.875  | 1.5   | 0.5625 | 274        |
| 16         | 15.5   | 18.5   | 23.5 | 21.25 | 16 | 1 - 8      | 20  | 45.5    | 59.75   | 3.5   | 1      | 1.5   | 0.75   | 410        |
| 18         | 17.5   | 21     | 25   | 22.75 | 16 | 1.125 - 7  | 24  | 49.5    | 67.375  | 3.5   | 1      | 1.5   | 0.75   | 435        |
| 20         | 19.5   | 23     | 27.5 | 25    | 20 | 1.125 - 7  | 24  | 57.625  | 77.125  | 4.5   | 1      | 1.5   | 0.9687 | 598        |
| 24         | 23.5   | 27.25  | 32   | 29.5  | 20 | 1.25 - 7   | 30  | 63.25   | 98.25   | 4.5   | 1      | 1.5   | 0.9687 | 771        |

## DIMENSIONS - MILLIMETERS

| Valve Size | A   | B   | C   | D   | E  | F          | G   | h    | H    | J   | K  | L  | M  | Weight Kg |
|------------|-----|-----|-----|-----|----|------------|-----|------|------|-----|----|----|----|-----------|
| 50         | 51  | 92  | 152 | 121 | 4  | 0.625 - 11 | 216 | 324  | 381  | 48  | 13 | 19 | 8  | 14        |
| 65         | 62  | 105 | 178 | 140 | 4  | 0.625 - 11 | 216 | 349  | 416  | 51  | 13 | 19 | 8  | 16        |
| 80         | 73  | 127 | 191 | 152 | 4  | 0.625 - 11 | 254 | 424  | 500  | 51  | 13 | 19 | 8  | 17        |
| 100        | 98  | 157 | 229 | 191 | 8  | 0.625 - 11 | 254 | 487  | 594  | 51  | 13 | 19 | 8  | 30        |
| 150        | 149 | 216 | 279 | 241 | 8  | 0.75 - 10  | 356 | 583  | 740  | 57  | 14 | 29 | 8  | 39        |
| 200        | 200 | 270 | 343 | 298 | 8  | 0.75 - 10  | 356 | 675  | 883  | 70  | 16 | 29 | 10 | 64        |
| 250        | 251 | 324 | 406 | 362 | 12 | 0.875 - 9  | 457 | 783  | 1045 | 70  | 19 | 29 | 12 | 85        |
| 300        | 302 | 381 | 483 | 432 | 12 | 0.875 - 9  | 457 | 916  | 1197 | 76  | 19 | 29 | 14 | 102       |
| 350        | 333 | 413 | 533 | 476 | 12 | 1 - 8      | 508 | 978  | 1322 | 76  | 22 | 38 | 14 | 125       |
| 400        | 394 | 470 | 597 | 540 | 16 | 1 - 8      | 508 | 1156 | 1518 | 89  | 25 | 38 | 19 | 186       |
| 450        | 445 | 533 | 635 | 578 | 16 | 1.125 - 7  | 610 | 1257 | 1711 | 89  | 25 | 38 | 19 | 198       |
| 500        | 495 | 584 | 699 | 635 | 20 | 1.125 - 7  | 610 | 1464 | 1960 | 114 | 25 | 38 | 25 | 272       |
| 600        | 597 | 692 | 813 | 749 | 20 | 1.25 - 7   | 762 | 1607 | 2496 | 114 | 25 | 38 | 25 | 350       |

| Item | Description          | 74B                         | 74L               |
|------|----------------------|-----------------------------|-------------------|
| 1    | Body                 | ASTM A351 Gr.CF8M           | ASTM A351 Gr.CG8M |
| 2    | Gate                 | ASTM A240 Gr.316            | ASTM A240 Gr.317  |
| 3    | Packing              | 1347 AF PALMETTO            |                   |
| 4    | Gland Bolts          | Cadmium Plated Steel        |                   |
| 5    | Gland                | ASTM A351 Gr.CF8M           | ASTM A351 Gr.CG8M |
| 6    | Gland Nuts           | Cadmium Plated Steel Nylock |                   |
| 7    | Sleeve Housing Bolts | Cadmium Plated Steel        |                   |
| 8    | Stem Sleeve          | SAE 660 (Bronze)            |                   |
| 9    | Sleeve Housing       | ASTM A536 Gr.65-45-12       |                   |
| 10   | Handwheel            | ASTM A536 Gr.60-42-10       |                   |
| 11   | Handwheel Nut        | Cadmium Plated Steel        |                   |
| 12   | Stem                 | ASTM A479 Gr.SS304          |                   |
| 13   | Nut Locking Screw    | SS-Commercial Grade (BSW)   |                   |
| 14   | Grease Nipple        | Cadmium Plated Steel        |                   |
| 15   | Clevis Nuts          | Cadmium Plated Steel Nylock |                   |
| 16   | Clevis Bolts         | Cadmium Plated Steel        |                   |
| 17   | Clevis               | ASTM A351 Gr.CF8            |                   |
| 18   | Yoke                 | ASTM A536 Gr.65-42-12       |                   |
| 19   | Nameplate            | ASTM A479 Gr.304            |                   |
| 20   | Handwheel Key        | Mild Steel                  |                   |
| 21   | Thrust Bearing       | SKF 51112 (Ball Bearing)    |                   |
| 22   | Rivets               | Aluminium                   |                   |
| 23   | Wiper Ring           | Viton 70                    |                   |
| 24   | Yoke Bolts           | Cadmium Plated Steel        |                   |
| 25   | Yoke Nuts            | Cadmium Plated Steel Nylock |                   |
| 26   | Housing Nuts         | Cadmium Plated Steel Nylock |                   |
| 27   | Resilient Seat       | Viton 70                    |                   |
| 28   | Reinforcing Wire     | ASTM A479 Gr.SS316          |                   |
| 29   | Adjusting Nut        | ISO 3506 Gr.A2-70           |                   |
| 30   | Lock Nut             | Cadmium Plated Steel        |                   |