

8101 CARBON STEEL

Manually operated ANSI 150 class, high performance Lug style butterfly valves.

- Temperature range -20°F to 446°F, 150 WSP.
- ISO 5211 direct mounting pad/square stem.
- Compact design, easy access to packing.
- Replaceable seat design.
- NACE MR0175.
- FC170-2 compliant.
- CRNs available upon request.
- Multiple V-ring stem packing.
- RPTFE seats, metal seats upon request.
- 10 position locking handle.
- Soft seat leakage protection - Class VI.
- Metal seat leakage protection - Class V.
- 14" to 24" sizes available upon request.

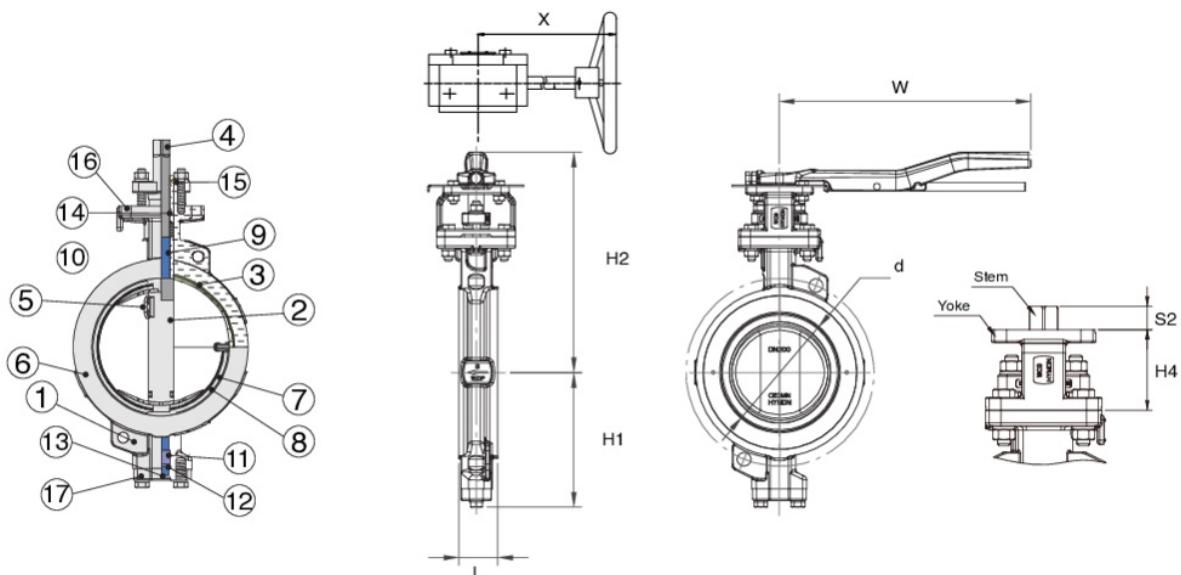
8101-9101: size 2" to 12".

8121-9121: METAL SEATED VERSION - size 2" to 12".

8141-9141: API 607 FIRE SAFE VERSION - size 2" to 12".

G8101-G9101: GEAR OPERATED VERSION - size 2" to 12".

Technical specifications



| POSITION | PART NAME | MATERIAL | N.° PIECES |
|----------|------------------|--------------------|------------|
| 1 | BODY | A216 Gr. WCB | 1 |
| 2 | DISC | A351 Gr. CF8M | 1 |
| 3 | SEAT | Carbon-filled PTFE | 1 |
| 4 | STEM | A182-F316 | 1 |
| 5 | TAPER PIN | A182 Gr. F316L | 2 |
| 6 | RETAINER RING | A351 CF8M | 1 |
| 7 | SPRING | A182-F316 | 1 |
| 8 | LOCK PIN | PTFE | 1 |
| 9 | STEM BUSH | PTFE + SS316L | 2 |
| 10 | GLAND PACKING | Carbon-filled RTFE | 1 |
| 11 | THRUST RING | A351 CF8M | 1 |
| 12 | THRUST PLATE | PTFE + SS316L | 1 |
| 13 | GASKET | PTFE | 1 |
| 14 | GLAND BUSH | A351 CF8M | 1 |
| 15 | ANTI-BLOWOUT PIN | A182-F316 | 1 |
| 16 | GLAND FLANGE | A351-CF8 | 1 |
| 17 | BOTTOM COVER | A351 Gr. CF8M | 1 |

| SIZE | L | D | D1 | D | H1 | H2 | W | X | H4 | S2 | STEM | YOKE ISO | CV | BREAK TORQUE | WEIGHT LBS |
|--------|------|-------|-------|-------|-------|-------|-------|--------|---------|------|------|----------|-------|--------------|------------|
| 10" | 2.76 | 12.83 | 15.94 | 9.29 | 10.00 | 10.24 | - | 8.82 | 3.94 | 0.94 | 22 | F10 | 3199 | 1407 | 66.0 |
| 12" | 3.19 | 14.76 | 19.09 | 11.06 | 11.73 | 11.42 | - | 8.46 | 3.94 | 1.14 | 27 | F12 | 4672 | 2266 | 101.0 |
| 2" | 1.77 | 3.74 | 5.91 | 1.81 | 4.65 | 9.21 | 8.66 | 6.06 | 2.76 | 0.63 | 14 | F07 | 70 | 133 | 11.0 |
| 2 1/2" | 1.89 | 4.41 | 7.09 | 2.40 | 4.96 | 9.53 | 8.66 | 6.06 | 2.76 | 0.63 | 14 | F07 | 150 | 150 | 13.0 |
| 3" | 1.89 | 4.96 | 7.48 | 2.99 | 5.28 | 10.24 | 8.66 | 6.06 | 2.76 | 0.63 | 14 | F07 | 227 | 13.45177 | 15.0 |
| 4" | 2.13 | 6.10 | 9.06 | 3.78 | 5.67 | 10.63 | 8.66 | 146.06 | F072.76 | 0.63 | 14 | F07 | 473 | 283 | 20.0 |
| 5" | 2.24 | 7.24 | 10.04 | 4.65 | 7.01 | 11.42 | 11.81 | 6.06 | 2.76 | 0.75 | 17 | F07 | 605 | 381 | 26.0 |
| 6" | 2.24 | 8.46 | 11.02 | 5.63 | 7.48 | 12.01 | 11.81 | 6.06 | 3.15 | 0.75 | 17 | F07 | 1010 | 487 | 29.0 |
| 8" | 2.44 | 10.51 | 13.58 | 7.40 | 8.43 | 13.78 | 15.75 | 8.82 | 3.15 | 0.83 | 17 | F10 | 20004 | 894 | 46.0 |