

BUTTERFLY VALVE

# API Butterfly Valve (Lug Type) Cast Steel

REF **EFC-430** ISSUED 06 Jul 2026

## SPECIFICATIONS

|                |  |
|----------------|--|
| Size           | <b>NPS 6" to NPS 36"</b>   |
| Pressure       | <b>Class 150 to Class 300</b>  |
| End connection | <b>lug (ASME B16.5 / ASME B16.47) / lug (ASME B16.5 / ASME B16.47)</b> |
| Face-to-face   | <b>ASME B16.10</b>   |

## ACTUATION

- worm gear actuator

## STANDARDS

|        |                |
|--------|----------------|
| Design | <b>API 609</b> |
| Test   | <b>API 598</b> |

## MATERIALS

|                   |                                      |              |                                       |
|-------------------|--------------------------------------|--------------|---------------------------------------|
| Body              | <b>A216 WCB, A351 CF8, A351 CF8M</b> | Disc         | <b>A216 WCB, A351 CF8, A351 CF8M</b>  |
| Stem              | <b>A182 F6, A182 F304, A182 F316</b> | Bushing      | <b>S.S</b>                            |
| Snap ring         | <b>SS304</b>                         | Sealing shim | <b>GRAPHITE</b>                       |
| Lower gap         | <b>CARBON STEEL, SS304, SS316</b>    | Sealing ring | <b>SS304+GRAPHITE, SS316+GRAPHITE</b> |
| Compression plate | <b>A182 F6, SS304, SS316</b>         | Packing      | <b>GRAPHITE</b>                       |
| Flange gland      | <b>A216 WCB, A351 CF8</b>            | Bolt         | <b>A193 B7, A320 B8</b>               |
| Nut               | <b>A194 2H, A194 8</b>               |              |                                       |

## FEATURES

- Lug-type body for in-line maintenance without system shut-down
- Graphite packing and sealing shim
- Composite sealing ring (stainless steel + graphite)
- Available in WCB, CF8, CF3, CF3M, CF8M, CF8C body materials



Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

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SECTION Dimensions per size REF EFC-430

| SIZE    | L150LB | D1150LB | D2   | H1   | H2  | 150LB N | 150LB300LB | D1300LB | D2  | 300LB N | 300LB |
|---------|--------|---------|------|------|-----|---------|------------|---------|-----|---------|-------|
|         |        |         |      |      |     |         | DO         |         |     |         | DO    |
| NPS 6"  | 59     | 241.5   | 216  | 500  | 210 | 8 in    | 290        | 270     | 216 | 12 in   | 290   |
| NPS 8"  | 73     | 298.5   | 270  | 565  | 240 | 8 in    | 290        | 330     | 270 | 12 in   | 320   |
| NPS 10" | 83     | 362     | 324  | 620  | 275 | 12 in   | 290        | 387.5   | 324 | 16 in   | 320   |
| NPS 12" | 92     | 432     | 381  | 665  | 310 | 12 in   | 320        | 451     | 381 | 16 in   | 380   |
| NPS 14" | 117    | 476.5   | 413  | 700  | 350 | 12 in   | 320        | 514.5   | 413 | 20 in   | 380   |
| NPS 16" | 133    | 540     | 470  | 820  | 380 | 16 in   | 380        | 571.5   | 470 | 20 in   | 380   |
| NPS 18" | 149    | 578     | 533  | 850  | 415 | 16 in   | 380        | 628.5   | 533 | 24 in   | 380   |
| NPS 20" | 159    | 635     | 584  | 930  | 450 | 20 in   | 380        | 686     | 584 | 24 in   | 380   |
| NPS 24" | 181    | 749.5   | 692  | 1005 | 525 | 20 in   | 380        | 813     | 692 | 24 in   | 380   |
| NPS 28" | 165    | 863.5   | 800  | 965  | 485 | 28 in   | 380        | —       | —   | —       | —     |
| NPS 30" | 165    | 914.5   | 857  | 995  | 510 | 28 in   | 380        | —       | —   | —       | —     |
| NPS 32" | 190    | 978     | 914  | 1045 | 545 | 28 in   | 380        | —       | —   | —       | —     |
| NPS 36" | 203    | 1086    | 1022 | 1170 | 610 | 32 in   | 480        | —       | —   | —       | —     |

Dimensions in millimetres unless stated otherwise. Values are nominal; tolerances confirmed at quote.

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