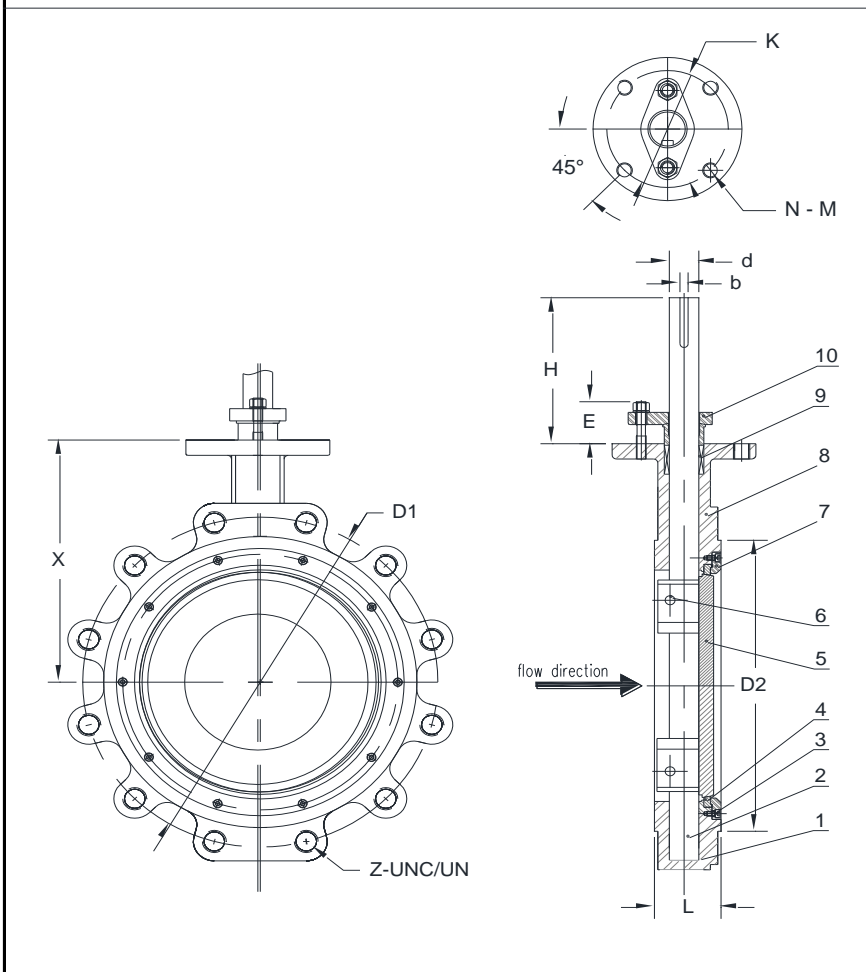


| Size | L | D1 | Z - UNC/UN | D2 | d | b | H | K | N - M | E | X |
|------|------|------|--------------|------|------|-------|-----------|------|---------|------|------|
| 2" | 1.69 | 4.75 | 4 - 5/8" -11 | 3.62 | 0.63 | 0.197 | 3.70±0.08 | 2.76 | 4 - M10 | 1.57 | 4.57 |
| 2½" | 1.89 | 5.50 | 4 - 5/8" -11 | 4.13 | 0.71 | 0.236 | 3.70±0.08 | 2.76 | 4 - M10 | 1.57 | 5.20 |
| 3" | 1.89 | 6.00 | 4 - 5/8" -11 | 5.00 | 0.71 | 0.236 | 3.70±0.08 | 2.76 | 4 - M10 | 1.77 | 5.31 |
| 4" | 2.13 | 7.50 | 8 - 5/8" -11 | 6.18 | 0.79 | 0.236 | 3.70±0.08 | 2.76 | 4 - M10 | 1.77 | 6.89 |
| 5" | 2.24 | 8.50 | 8 - 3/4" -10 | 7.32 | 0.87 | 0.315 | 3.70±0.08 | 4.02 | 4 - M10 | 1.77 | 7.40 |
| 6" | 2.24 | 9.50 | 8 - 3/4" -10 | 8.50 | 0.94 | 0.315 | 3.70±0.08 | 4.02 | 4 - M10 | 1.77 | 8.15 |



| | |
|-------------------|------------|
| DESIGN STANDARD | API 609 |
| FLANGE CONNECTION | ASTM B16.5 |
| FACE TO FACE | API 609 |
| TEST PROCEDURE | API 598 |

NOTES

- 1) Cap screws and stud lengths are determined by customer due to flange and gasket sizes.
- 2) 2", 2.5", and 3" valves are full wafer/lug style conforming to API 609.

| No. | PART | MATERIAL |
|-----|----------------|----------------|
| 1 | Gasket | Does Not Apply |
| 2 | Stem | 17-4PH |
| 3 | Screw | A193 B7 |
| 4 | Seat | RPTFE |
| 5 | Disc | A351 CF8M |
| 6 | Pin | 17-4PH |
| 7 | Seal Plate | A105 |
| 8 | Body | A216 WCB |
| 9 | Packing | Graphite |
| 10 | Stuffing Cover | A182 F6a |

| | | |
|------------------------------|--|-----------------------------------|
| Pressure Rating: ANSI 150 | DIMENSIONAL DATA SHEET Series 77X High Performance Butterfly Valve Lug Type 2" - 6" | Material Reference: WCB / CF8M |
| Customer/Project: | | Part No.: 77-XXXX-2511R20 |
| Cage Code: | | Drawing No.: FL 77X-0150-1CS |
| Drawn By: TEM | | Approved by: DAB |
| | | Rev. Date 09/17/15 |