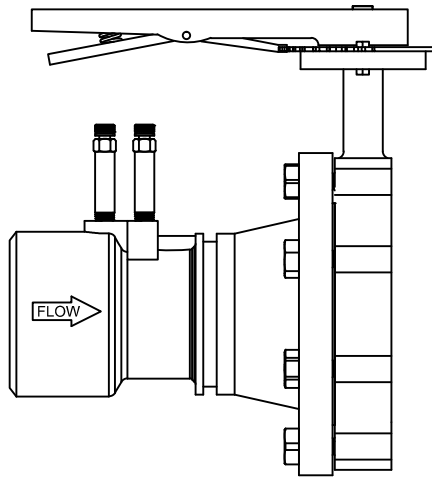


US Industrial Sourcing, L.L.C.

SPECIFICATIONS

Combination Butterfly/Venturi with Weld End CBVW Series



PRODUCT DESCRIPTION: The USIS CBVW is a combination butterfly valve and weld end style venturi. The weld end carbon steel venturi connects to a standard ANSI Class 150 pound flange, and is combined with a lug type butterfly valve for throttling. The cast iron butterfly valve has a combination infinite/10 position memory stop plate, a one piece disc/shaft, a triple shaft bearing, an aluminum-bronze disc for sizes 2½" - 8", a nickel plated disc for the 10" and 12" sizes, and an EPDM standard liner. The CBVW comes standard with two pressure/temperature ports.

| Nominal Line Size | Model # | Lower Flow Range (GPM) | Upper Flow Range (GPM) | Flow Factor (FF) | Weight | STANDARD MATERIAL SPECIFICATIONS | |
|-------------------|----------|------------------------|------------------------|------------------|--------|----------------------------------|---|
| 2 1/2" | CBVW250L | 20 | 140 | 147 | 26 | Venturi | Steel Casting, Carbon ASTM A216 Grade WCB |
| | CBVW250H | 60 | 320 | 319 | 26 | Flange | Forged Carbon Steel ASTM A105 |
| 3" | CBVW300L | 30 | 220 | 227 | 33 | Butterfly Valve | Nodular Cast Iron ASTM A536 60-4-18 |
| | CBVW300H | 80 | 580 | 578 | 31 | Seat | EPDM Rubber |
| 4" | CBVW400L | 80 | 600 | 611 | 46 | Disc (2½ - 8") | Aluminum-Bronze Sand Casting, ASTM B148 C95800 |
| | CBVW400H | 140 | 1000 | 1029 | 41 | Disc (10 & 12") | Nickel Plated Aluminum-Bronze Sand Casting, ASTM B148 C95800 |
| 5" | CBVW500 | 160 | 1250 | 1267 | 59 | Shaft | Stainless Steel AISI 410 |
| 6" | CBVW600 | 200 | 1500 | 1551 | 78 | O-Ring | EPDM Rubber |
| 8" | CBVW800 | 450 | 2800 | 2824 | 137 | Bearing | Copper ASTM B45 |
| 10" | CBVW1000 | 600 | 4150 | 4164 | 236 | Bearing Bush | PTFE |
| 12" | CBVW1200 | 950 | 9700 | 9670 | 351 | Hand Lever | Nodular Cast Iron ASTM A536 60-4-18 |
| | | | | | | CONNECTIONS: | Inlet - Weld End Outlet - Lug Butterfly Valve |
| | | | | | | CALCULATIONS: | D.P. = $(\text{GPM} \times 17.3 / \text{FF})^2$ GPM = $\sqrt{\text{FF} / 17.3 \times (\text{D.P.})}$ |

PRODUCT SPECIFICATIONS:

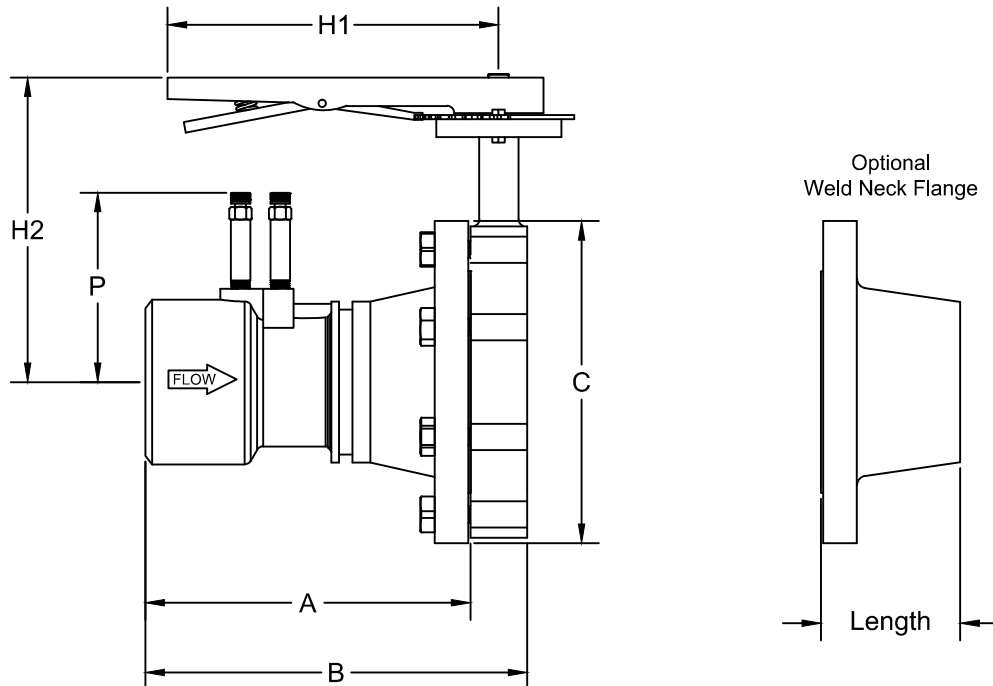
- Butterfly valve is rated at 150 PSIG and is suitable for dead-end service
- Maximum pressure loss 6% of differential pressure
- The carbon steel Venturi accuracy rating: ±1% Between 10" w.c. and 70" w.c. based on Coefficient of Discharge
±3% Between 5" w.c. and 150" w.c.



US Industrial Sourcing, L.L.C.

DIMENSIONS

Combination Butterfly/Venturi with Weld End CBVW Series



| SIZE | A | B | C | H1 | H2 | P | With Optional Weld Neck Flange | | |
|--------------|------|------|------|------|------|------|--------------------------------|--------|--------|
| | | | | | | | Model | Length | Weight |
| 2 1/2" L & H | 8.0 | 9.8 | 7.0 | 10.5 | 8.1 | 5.3 | FL250WN | + 2.8 | + 10 |
| 3" L & H | 8.5 | 10.3 | 7.5 | 10.5 | 8.2 | 5.5 | FL300WN | + 2.8 | + 12 |
| 4" L & H | 9.2 | 11.2 | 9.0 | 10.5 | 9.0 | 6.0 | FL400WN | + 3.0 | + 16 |
| 5" | 9.7 | 11.8 | 10.0 | 10.5 | 9.4 | 6.6 | FL500WN | + 3.5 | + 20 |
| 6" | 10.7 | 12.9 | 11.0 | 10.5 | 10.2 | 7.2 | FL600WN | + 3.5 | + 25 |
| 8" | 12.6 | 15.0 | 13.5 | * | * | 8.4 | FL800WN | + 4.0 | + 43 |
| 10" | 16.3 | 18.9 | 16.0 | * | * | 8.5 | FL1000WN | + 4.0 | + 56 |
| 12" | 21.5 | 24.5 | 19.0 | * | * | 12.4 | FL1200WN | + 4.5 | + 86 |

* Denotes a gear operated valve.

Note: All dimensions and materials are subject to minor variations. Consult with factory for confirmation of dimensions and material specifications at the time of order.