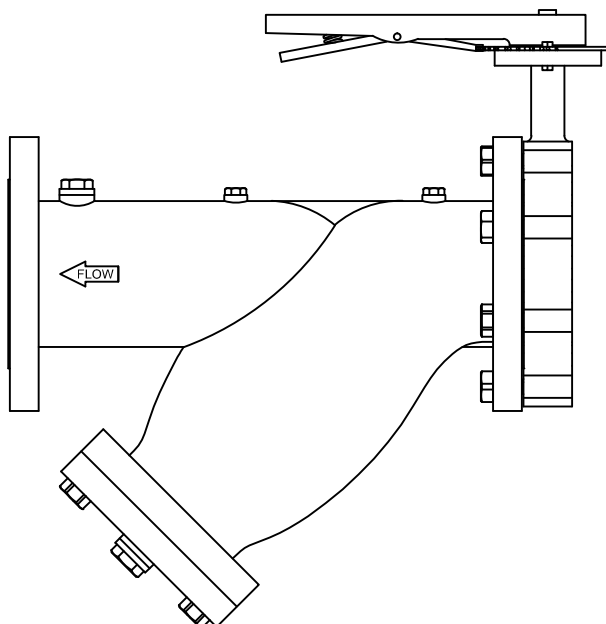# US Industrial Sourcing, L.L.C.
SPECIFICATIONS
Combination Butterfly Valve & Wye Strainer
CBYS Series

PRODUCT DESCRIPTION: The USIS CBYS is a combination butterfly valve and flange x flange end wye strainer. The cast iron wye strainer has standard ANSI Class 150 pound flange ends that connect to a lug type butterfly valve for throttling/isolation. The strainer comes with a stainless steel filter element. 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.

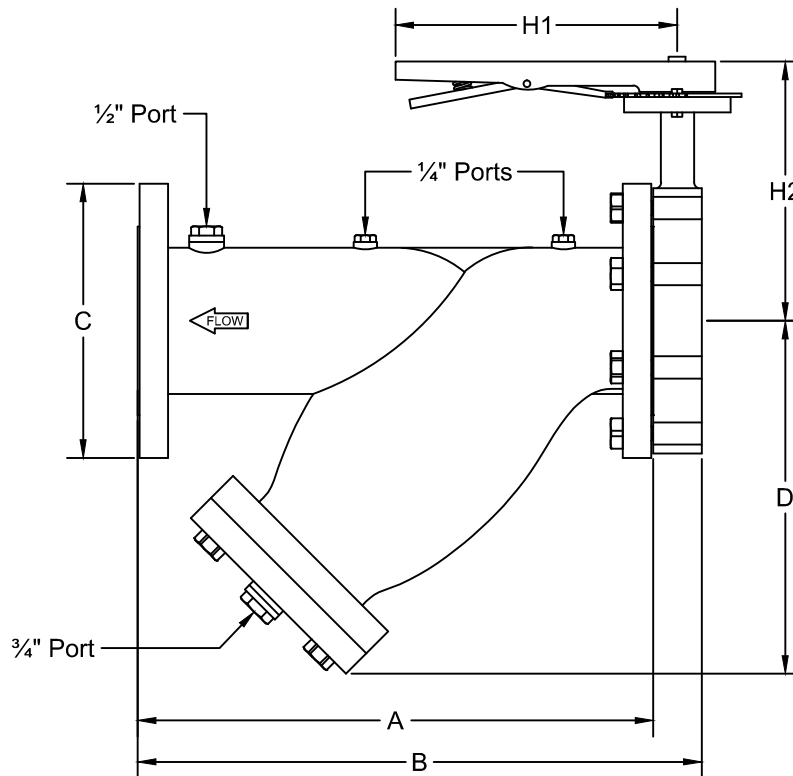| STANDARD MATERIAL SPECIFICATIONS	
Wye Strainer	Nodular Cast Iron ASTM A536
Butterfly Valve	Nodular Cast Iron ASTM A536 60-4-18
Seat	EPDM Rubber
Disc (2½ - 8")	Aluminum-Bronze Sand Casting, ASTM B148 C95800
Disc (10 & 12")	Nickel Plated Aluminum-Bronze Sand Casting, ASTM B148 C95800
Shaft	Stainless Steel AISI 410
O-Ring	EPDM Rubber
Bearing	Copper ASTM B45
Bearing Bush	PTFE
Hand Lever	Nodular Cast Iron ASTM A536 60-4-18

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 Valve & Wye Strainer
CBYS Series

SIZE	MODEL	A	B	C	D	H1	H2	Weight
2-½"	CBYS250	11.0	12.8	7.0	7.0	10.5	8.1	33
3"	CBYS300	12.0	13.8	8.0	7.5	10.5	8.2	43
4"	CBYS400	14.0	16.0	9.5	9.0	10.5	9.0	69
6"	CBYS600	18.5	20.7	13.0	11.0	10.5	10.2	163
8"	CBYS800	21.7	24.1	15.0	13.5	*	*	203

* *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.

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