

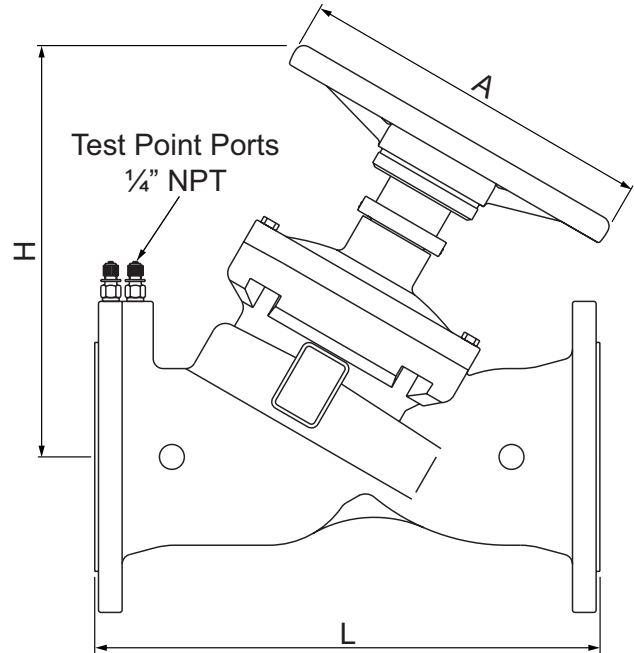
F739 Ductile Iron Fixed Orifice Balancing Valve

Flanges per ASME/ANSI Class 150 - 2½" to 16"

DIMENSIONS - In.						
Size	Cv - Full Open	Cvs	L	H	A	Weight Lbs.
2½"	85.8	120.2	11.4	10.4	7.9	38
3"	106.5	134.1	12.2	10.6	7.9	44
4"	187.6	246.2	13.8	12.2	9.5	64
5"	294.1	384.9	15.8	13.4	11.4	88
6"	399.5	550.3	18.9	13.4	11.4	115
8"	634.6	887.8	23.6	21.1	13.8	249
10"	1474	1333	28.7	22.5	16.5	407
12"	1839	2015	33.5	27.2	16.5	546
14"	1893	2079	38.58	26.97	16.5	898
16"	2461	2703	43.31	37.99	25.2	1302

MATERIAL LIST	
PART	SPECIFICATION
Body	Ductile Iron - ASTM A536 65-45-12
Bonnet	Ductile Iron - ASTM A536 65-45-12
Disc	Ductile Iron - ASTM A536 65-45-12
Disc Coating	EPDM
Stem	Steel - UNS S41000
Stem (14" & 16")	Steel - UNS S43100
Stem Nut	Brass - UNS C67400
Stem seal	PTFE + EPDM
Orifice plate	Brass - UNS C37700
Orifice plate (14" & 16")	Stainless Steel -UNS S30400
Handwheel	Ductile Iron - ASTM A536 65-45-12
Test Point (2)	Brass - UNS C35330 (DZR)

RECOMMENDED FLOW RANGE			
Size - In.	Flowrate (gpm) at 0.145 psi Minimum Signal	Max Flowrate (gpm) at 10 ft/s	Flowrate (gpm) at 7 ft/s
2½"	46	149	105
3"	51	230	162
4"	94	397	278
5"	147	623	437
6"	210	900	631
8"	338	1,559	1,091
10"	508	2,457	1,723
12"	767	3,487	2,443
14"	792	4,220	2,954
16"	1,029	5,508	3,856



230 PSI Non-Shock Cold Working Pressure
Maximum Temperature 250°F at 175 PSI

Flow Measurement Accuracy ±5%

Project: _____

Contractor: _____

PO/Job No.: _____

Engineer: _____

Representative: _____

Date: _____