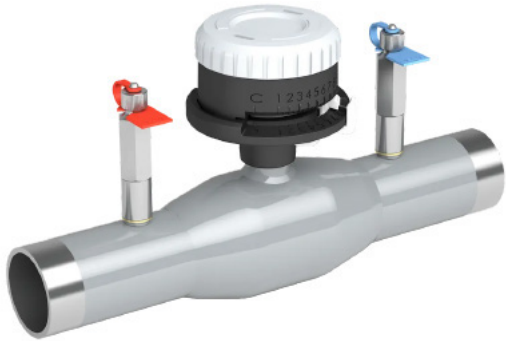


Mechanical Balancing Valve

Stainless Steel, Manual Balancing, Variable Orifice, Reduced Port, Welded Connection

TBS - WELDED



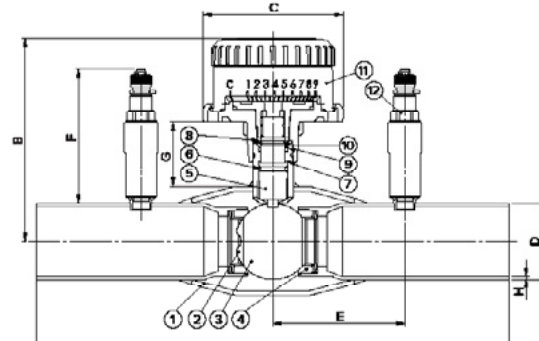
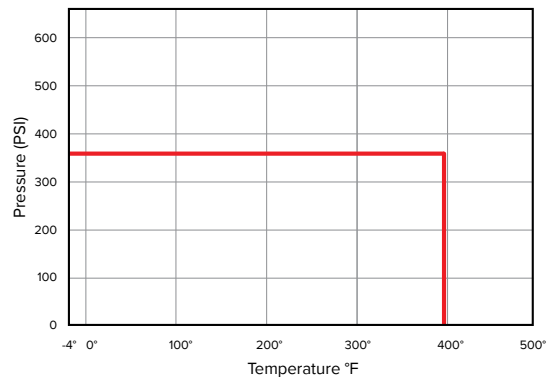
FEATURES

- 2 Offsetting Pressure/Temperature (PT) Ports
- +/- 10% Accuracy
- Precision Control Knob Operator
- Wetted Surfaces Contain Less than .25% Lead Content

PRESSURE/TEMPERATURE RATING

Max Pressure: 363 CWP
Max Temperature: 392°F
Min Temperature: -4°F

VALVE SEAT RATING



MATERIALS

No.	Part	Material
1	Body	316L Stainless Steel
2	Control Insert	POM-C
3	Ball	316L Stainless Steel
4	Seat (2)	PTFE G439
5	Stem	316L Stainless Steel
6	O-Ring	FKM
7	Stem Bushing	316L Stainless Steel
8	Snap Ring	304 Stainless Steel
9	O-Ring	NBR
10	Packing	PTFE-CF25
11	Control Knob	PA66-GF30
12	PT Plug (2)	316L Stainless Steel

DIMENSIONS

Part No.	Size	A	B	C	D	E
TBS-AWW	1/2"	9.06	3.98	3.03	0.84	2.87
TBS-BWW	3/4"	9.06	4.13	3.03	1.06	2.87
TBS-CWW	1"	9.06	4.21	3.03	1.33	2.87
TBS-DWW	1-1/4"	10.24	4.37	3.03	1.67	2.87
TBS-EWW	1-1/2"	10.24	4.57	3.03	1.90	2.87
TBS-FWW	2"	11.81	4.84	3.03	2.37	2.87

Part No.	Size	F	G	H	I
TBS-AWW	1/2"	2.87	1.52	0.08	1.33
TBS-BWW	3/4"	2.87	1.50	0.08	1.67
TBS-CWW	1"	2.87	1.46	0.08	1.90
TBS-DWW	1-1/4"	2.87	1.38	0.08	2.37
TBS-EWW	1-1/2"	2.87	1.38	0.10	2.76
TBS-FWW	2"	2.87	1.54	0.10	3.00

Mechanical Balancing Valve

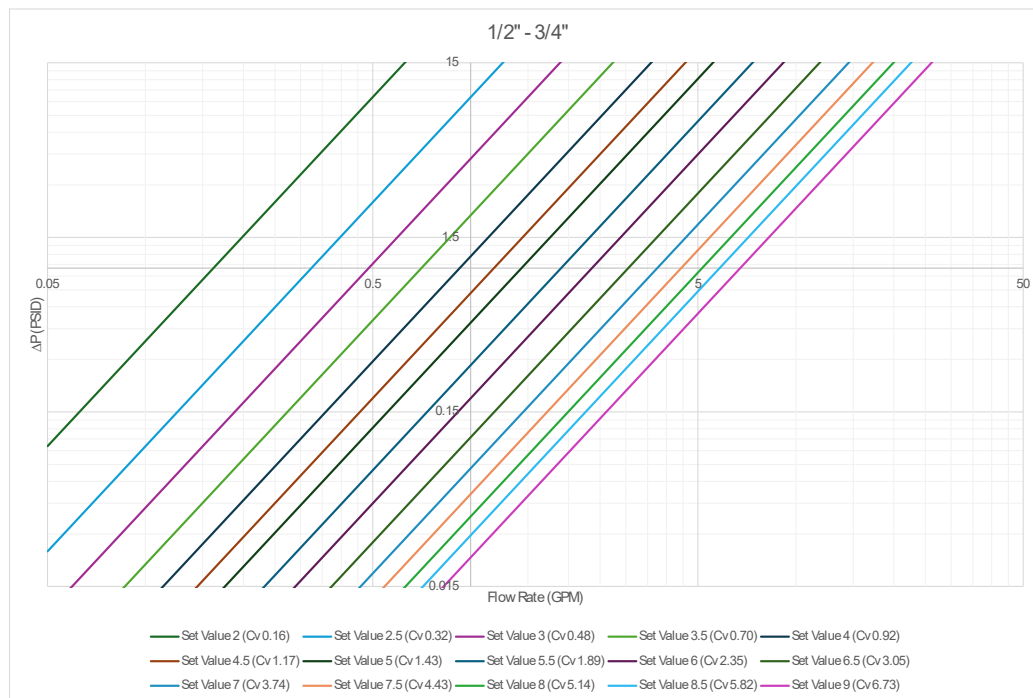
Stainless Steel, Manual Balancing, Variable Orifice, Reduced Port, Welded Connection

TBS - WELDED

Cv VALUE

Set Value	1/2"-3/4"	1"	1-1/4"	1-1/2"	2"
1	-	-	0.45	0.69	1.46
1.5	-	0.40	0.66	1.17	2.08
2	0.16	0.57	0.96	1.71	3.12
2.5	0.32	1.14	1.25	2.34	4.10
3	0.49	1.57	1.66	3.12	5.07
3.5	0.71	1.92	2.08	3.75	6.49
4	0.92	2.31	2.66	4.58	7.91
4.5	1.18	2.77	3.17	5.62	9.64
5	1.43	3.47	3.95	6.91	11.36
5.5	1.90	4.05	4.87	8.30	13.80
6	2.36	5.20	5.91	9.91	16.23
6.5	3.05	5.90	6.90	11.73	19.56
7	3.75	7.75	8.40	14.23	22.89
7.5	4.44	8.44	9.99	16.65	27.05
8	5.14	10.75	11.65	20.39	31.21
8.5	5.83	11.56	13.32	24.14	35.37
9	6.74	14.62	15.19	26.09	39.54

FLOW CHARTS



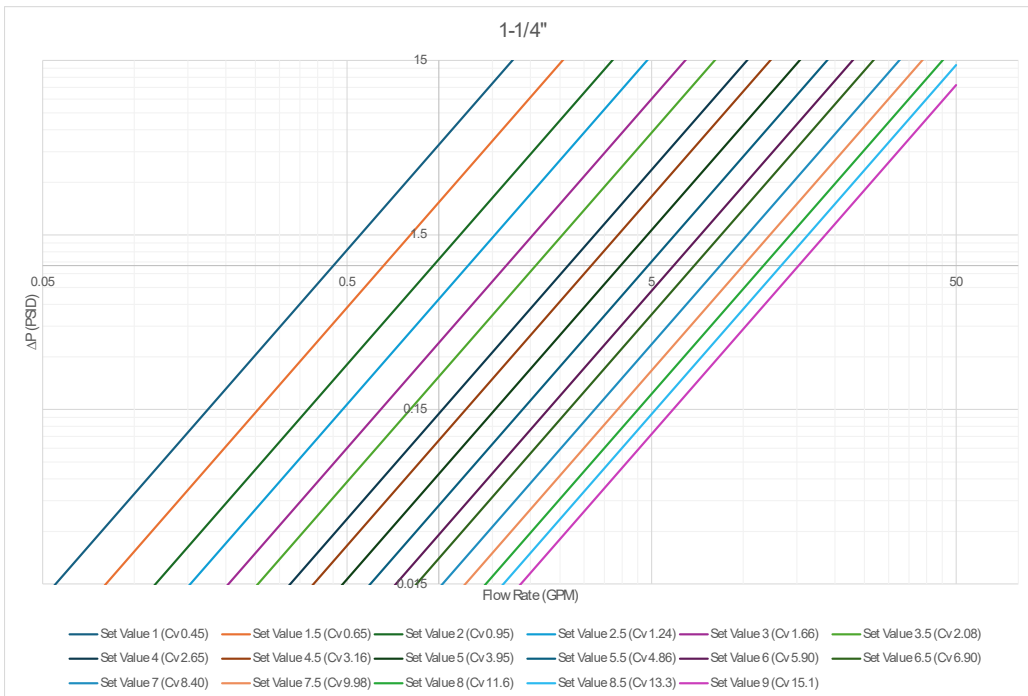
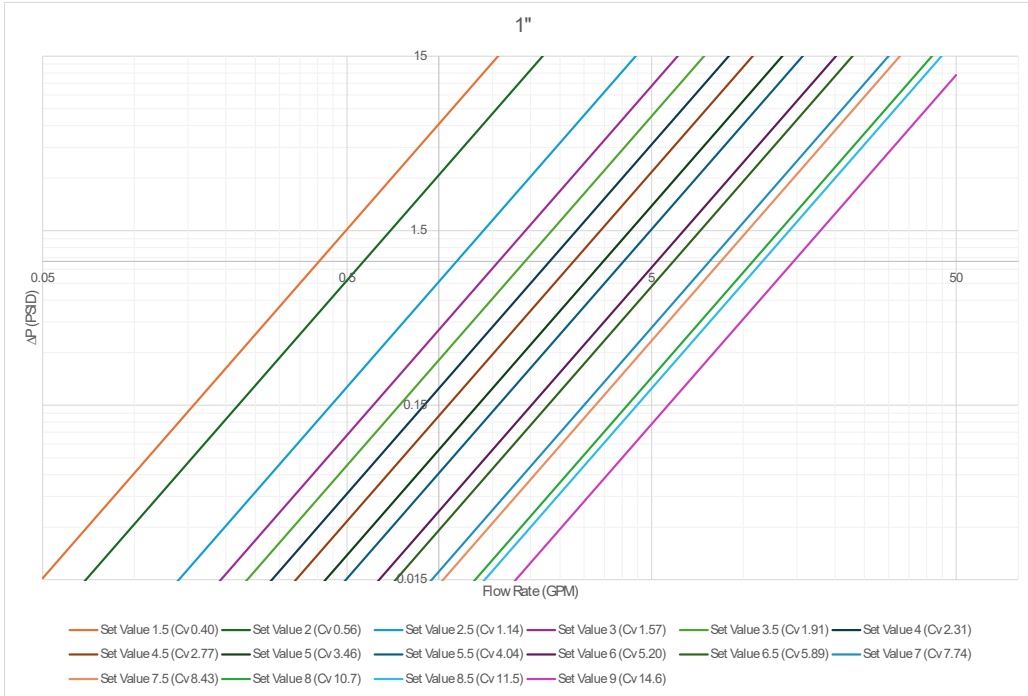
 **WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Mechanical Balancing Valve

Stainless Steel, Manual Balancing, Variable Orifice, Reduced Port, Welded Connection

TBS - WELDED

FLOW CHARTS



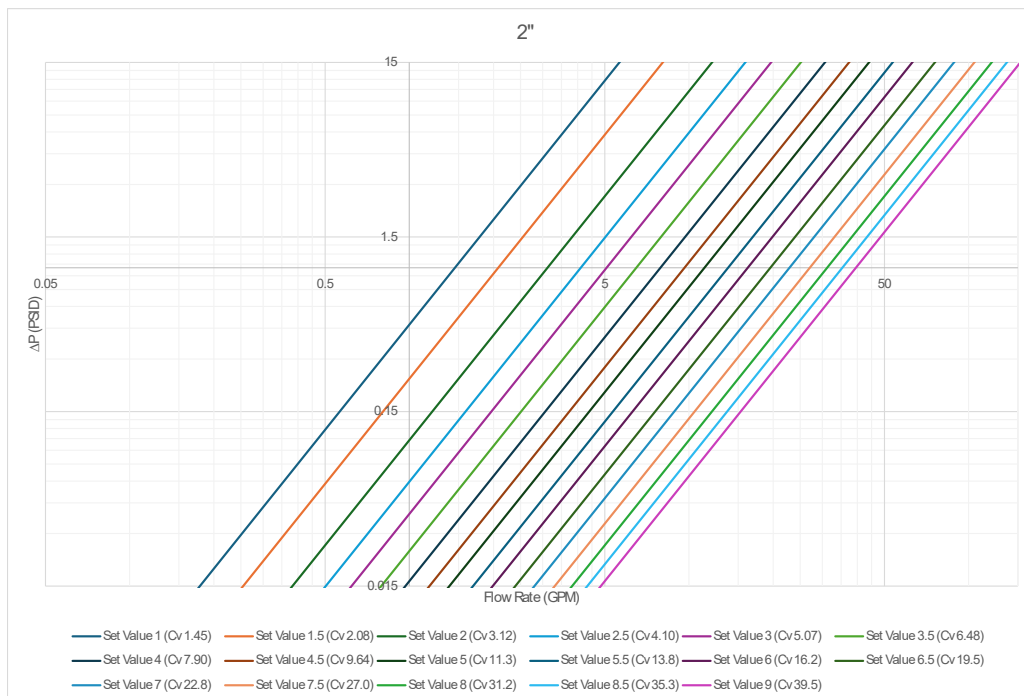
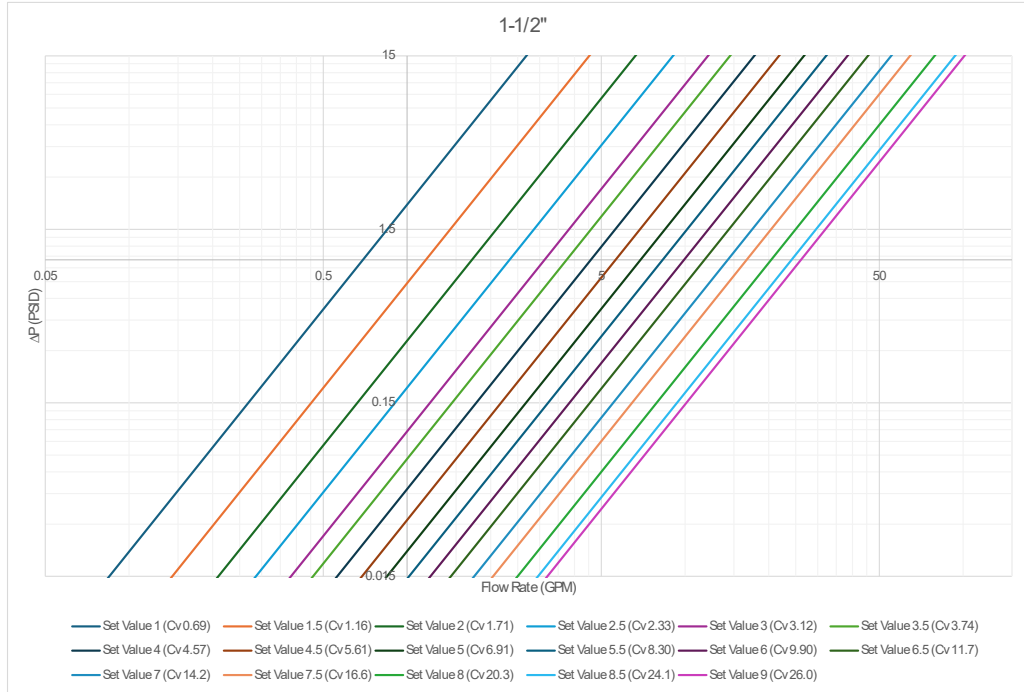
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