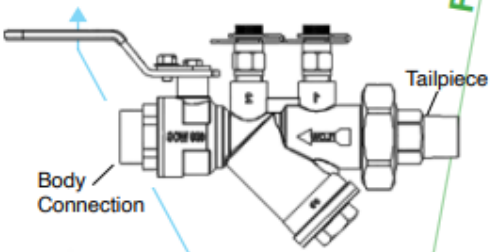
oventrop

Series 810
Dynamic balancing valve
Sizes ½" - 2"

Size	Body Connection	Item Number
½"	FNPT	810 11 _ _ - A _
½"	SWT	810 12 _ _ - A _
¾"	FNPT	810 21 _ _ - A _
¾"	SWT	810 22 _ _ - A _
1"	FNPT	810 31 _ _ - A _
1"	SWT	810 32 _ _ - A _
1"	FNPT	811 31 _ _ - B _
1"	SWT	811 32 _ _ - B _
1¼"	FNPT	810 41 _ _ - B _
1¼"	SWT	810 42 _ _ - B _
1½"	FNPT	810 51 _ _ - B _
1½"	SWT	810 52 _ _ - B _
1½"	FNPT	811 51 _ _ - C/D _
1½"	SWT	811 52 _ _ - C/D _
2"	FNPT	810 61 _ _ - C/D _
2"	SWT	810 62 _ _ - C/D _



Example valve selection:
9.0 GPM flow rate
for 1¼" SWT valve
with 1" SWT tailpiece

Item number - **810 4232 - BE**

FLOW RATE

Standard Available Flow Rates

First Letter	A	B	C	D
Second Letter	Flow Rate [GPM]			
A	0.35	5	11	36
B	0.50	6	12	38
C	0.75	7	13	40
D	1.00	8	14	42
E	1.50	9	15	44
F	2.00	10	16	45
G	2.50	11	17	48
H	3.0	12	18	50
I	3.5	13	19	54
J	4.0	14	20	56
K	4.5	15	21	58
L	5	16	22	60
M	6	17	24	62
N	7	18	26	64
O	8	19	28	66
P	9	20	30	68
Q	10	21	32	70
R			34	
S				
T				
U				
V				
W				
X				
Y				
Z				

Dynamic balancing valve tailpiece designations

½" Body Tailpieces		¾" Body Tailpieces		1" Body Tailpieces		1¼" Body Tailpieces		1½" Body Tailpieces		2" Body Tailpieces	
Item	Connection	**Item**	Connection	**Item**	Connection	**Item**	Connection	**Item**	Connection	**Item**	Connection
11	½" FNPT	11	½" FNPT	13*	½" MNPT *	31	1" FNPT	41	1¼" FNPT	51	1½" FNPT
12	½" SWT	12	½" SWT	22*	¾" SWT *	32	1" SWT	42	1¼" SWT	52	1½" SWT
13	½" MNPT	13	½" MNPT	23*	¾" MNPT *	33	1" MNPT	43	1¼" MNPT	53	1½" MNPT
		21	¾" FNPT	31	1" FNPT	41	1¼" FNPT	51	1½" FNPT	61	2" FNPT
		22	¾" SWT	32	1" SWT	42	1¼" SWT	52	1½" SWT	62	2" SWT
		23	¾" MNPT	33	1" MNPT	43	1¼" MNPT	53	1½" MNPT	63	2" MNPT

*** For 1"A body ONLY.**

Oventrop Corporation
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oventrop

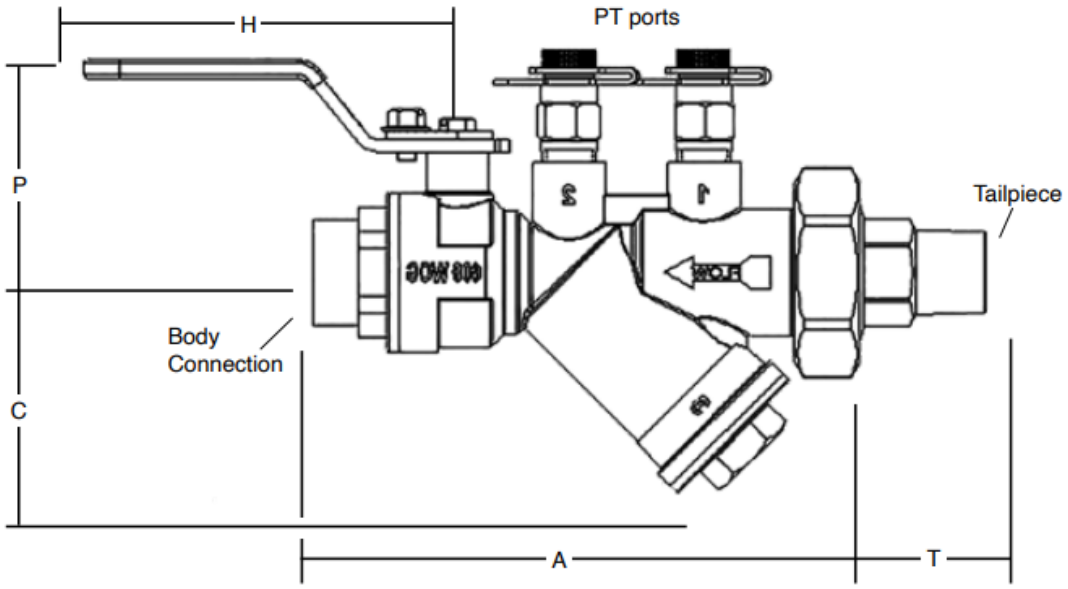
Dynamic balancing valve
½″ - 2″

Job Name: _____ Submitted by: _____ Date:_____

_____ Spec Section:_____

Job Location: _____ Engineer/Architect:_____

_____ Approval:_____ Date:_____



Product Specification:
Oventrop dynamic balancing valves are design to maintain a set maximum flow rate over a large differential pressure range. The flow control mechanism is a spring loaded cartridge insert. This prevents over flow conditions at the valve. Valve body is made of brass with a chrome plated ball.
Control Range: 2 - 32 PSID
Accuracy: +/- 5%
Maximum Working Pressure: 600 PSI
Maximum Temperature: 250 °F
Start-Up Head Loss: 5 fthd

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½" - 2"

Job Name: _____ Submitted by: _____ Date: _____

_____ Spec Section: _____

Job Location: _____ Engineer/Architect: _____

_____ Approval: _____ Date: _____

Body Size	½"	¾"	1"	1"	1¼"	1½"	1½	2"
A - FNPT	4.96	4.97	5.11	6.98	7.06	7.06	9.59	9.56
A - SWT	4.95	5.09	5.25	7.18	7.24	7.37	9.91	10.4
C	2.15			3.61			3.91	3.92
H	3.66			5.03			5.66	5.65
P	2.08			2.44			2.83	

½" Body Tailpieces		¾" Body Tailpieces		1" Body Tailpieces		1¼" Body Tailpieces		1½" Body Tailpieces		2" Body Tailpieces	
T	Connection	T	Connection	T	Connection	T	Connection	T	Connection	T	Connection
0.83	½" FNPT	**0.83**	½" FNPT	**1.5**	½" MNPT	**0.98**	1" FNPT	**1.0**	1¼" FNPT	**1.98**	1½" FNPT
0.83	½" SWT	**0.87**	½" SWT	**0.98**	¾" SWT	**1.41**	1" SWT	**1.43**	1¼" SWT	**1.59**	1½" SWT
1.5	½" MNPT	**1.5**	½" MNPT	**1.56**	¾" MNPT	**1.8**	1" MNPT	**1.8**	1¼" MNPT	**1.98**	1½" MNPT
		0.83	¾" FNPT	**1.4**	1" FNPT	**1.0**	1¼" FNPT	**1.75**	1½" FNPT	**1.8**	2" FNPT
		0.98	¾" SWT	**1.0**	1" SWT	**1.43**	1¼" SWT	**1.17**	1½" SWT	**1.5**	2" SWT
		1.56	¾" MNPT	**1.75**	1" MNPT	**1.8**	1¼" MNPT	**1.8**	1½" MNPT	**1.98**	2" MNPT
				0.98	High Flow 1" FNPT						
				1.41	High Flow 1" SWT						
				1.8	High Flow 1" MNPT						

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