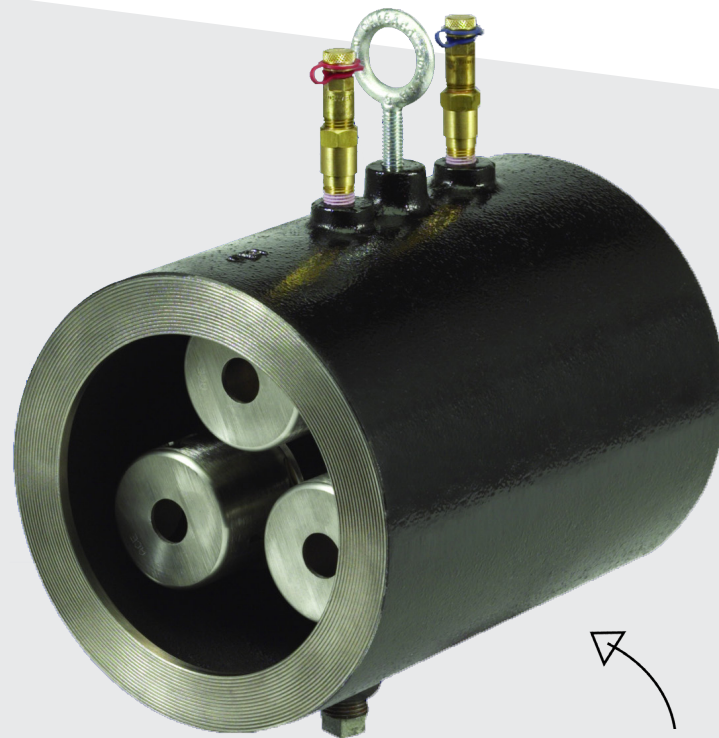


WS



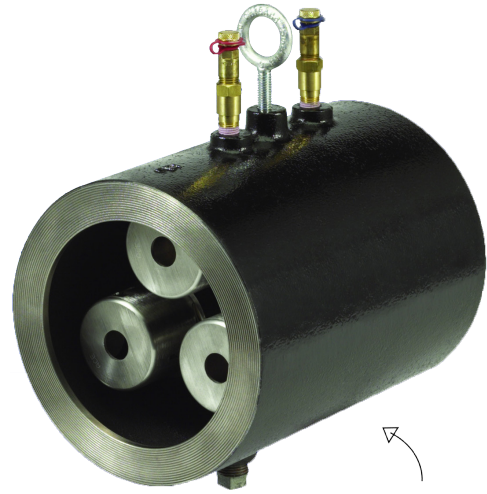
*5" WS shown
with 3 Cartridges*

Automatic Balancing Valves
2 1/2" - 14" Automatic Flow Control

*Engineering
GREAT Solutions*

WS

Model WS is a wafer-style AutoFlow regulator factory set to automatically limit the specified flow to within ± 5 percent over 95 percent of the control range. The number of flow cartridges required is determined by the gpm requested. The valve body is compatible with ANSI Class 150 or 300 lb. flanges. Extended Pressure / Temperature Ports, lifting lug, drain plug, flange rods and nuts are standard. Options limited to quantity of three (2 at 12:00 and 1 at 6:00) and are shipped loose for field installation. Companion flanges and gaskets are not included.



5" WS Shown
with 3 Cartridges

Key features

- > **Flow Regulator**
Reduced wasted pumping
- > **Tamper Resistant**
- > **Changeable Cartridges**

Technical description

Application:
Hydronic Balancing

Functions:
Flow Regulator

Dimensions:
2 1/2" - 14"

Pressure class:
600 psig at 250° F (40 bar at 120° C)

Accuracy:
 ± 5 %

Material:
Body: Ductile Iron
Flow cartridge: Stainless steel wear surfaces with stainless steel spring

Flow

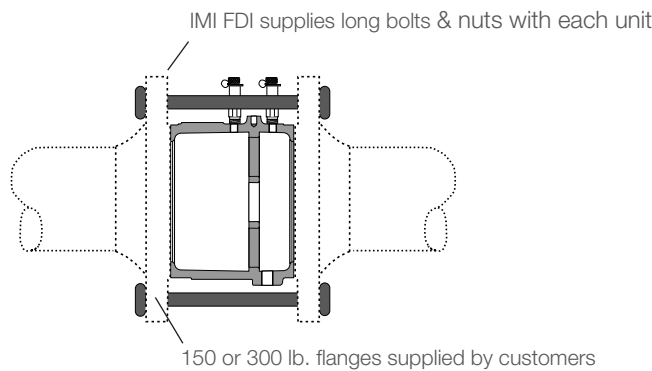
Model	Maximum Flow gpm (lps)*									
	Control Range psi (kpa)									
	2-32 (1)		5-60 (2)		3-20 (3)		5-40 (4)		7-45 (5)	
	(14-220)		(35-414)		(21-138)		(34-276)		(48-310)	
WS0250(-)	80	(5)	120	(8)	-		-		-	
WS0300(-)	135	(9)	170	(11)	200	(13)	250	(8)	300	(19)
WS0400(-)	270	(17)	340	(21)	400	(25)	500	(11)	600	(38)
WS0500(-)	405	(26)	510	(32)	600	(38)	750	(21)	900	(57)
WS0600(-)	540	(34)	680	(43)	800	(50)	1000	(32)	1200	(76)
WS0800(-)	945	(60)	1190	(75)	1400	(88)	1750	(43)	2100	(132)
WS1000(-)	1485	(94)	1870	(118)	2200	(139)	2750	(75)	3300	(208)
WS1200(-)	2025	(128)	2550	(161)	3000	(189)	3750	(118)	4500	(284)
WS1400(-)	2565	(162)	3230	(203)	3800	(239)	4750	(161)	5700	(359)

Notes

The (-) in the model number must be replaced by: **1:** 2-32 (14-221); **2:** 5-60 (34-414); **3:** 3-20 (21-138); **4:** 5-40 (34-276) or **5:** 7-45 (48-310).

For pump head calculations, the following loss applies for each range: 4.6 ft. or 13.7 kPa (2-32); 11.6 ft. or 34.6 kPa (5-60); 6.9 ft. or 17.9 kPa (3-20); 11.6 ft. or 34.6 kPa (5-40); & 16.2 ft. or 48.4 kPa (7-45).

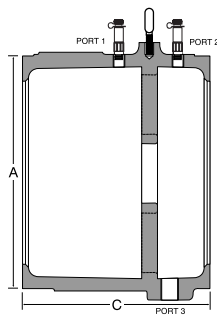
*gpm increments are 5 gpm for 2-32 & 5-60, 10 gpm for 3-20 & 5-40, 20 gpm for 7-45.
All weights and dimensions are subject to minor changes.



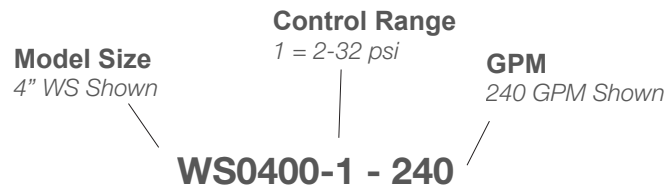
Articles

Dimensions

Model	Size		A		B		C		Max No. Cartridges	Weights	
	in.	(mm.)	in.	(mm.)	in.	(mm.)	in.	(mm.)		lb.	kg.
WS0250(-)	2.5	(65)	4.3	(109)	4.8	(122)	6.0	(152)	1	13	(6)
WS0300(-)	3.0	(80)	5.0	(127)	5.2	(131)	9.0	(229)	1	20	(9)
WS0400(-)	4.0	(100)	6.8	(173)	6.0	(152)	9.6	(244)	2	39	(18)
WS0500(-)	5.0	(125)	7.6	(193)	6.5	(165)	10.0	(254)	3	28	(22)
WS0600(-)	6.0	(150)	8.5	(219)	6.8	(173)	10.2	(258)	4	60	(27)
WS0800(-)	8.0	(200)	11.0	(279)	8.0	(203)	11.0	(279)	7	88	(40)
WS1000(-)	10.0	(250)	13.3	(338)	9.3	(236)	11.0	(279)	11	129	(59)
WS1200(-)	12.0	(300)	15.9	(404)	10.6	(269)	11.0	(279)	15	180	(82)
WS1400(-)	14.0	(350)	17.6	(447)	11.5	(292)	11.0	(279)	19	221	(100)



Model Order Designation



Options Available

- MI** Metal ID Tag
- PI** Plastic ID Tag

