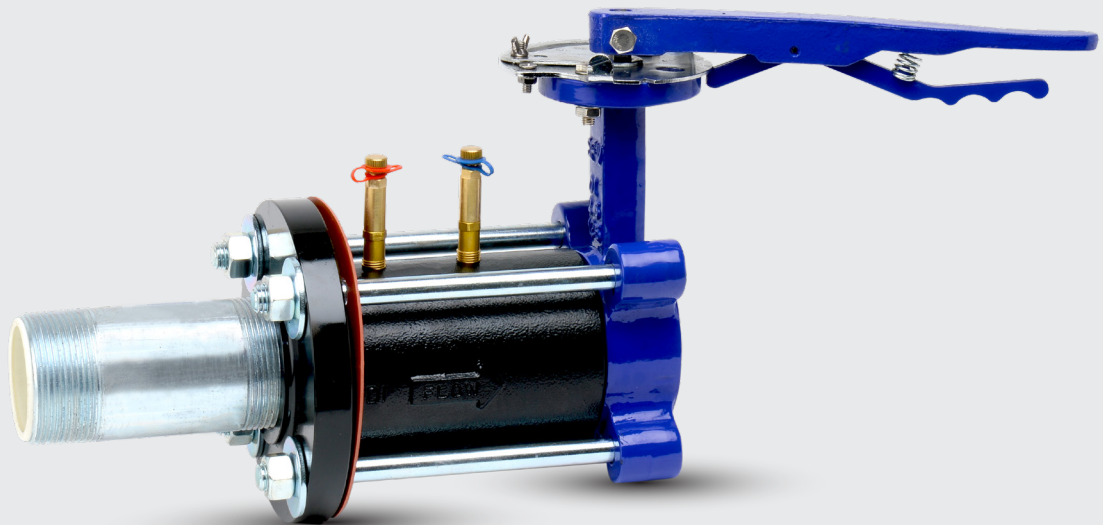



WT



Balancing Valves

Automatic Flow Control Valve
Assembly for threaded control valve


Engineering
GREAT Solutions

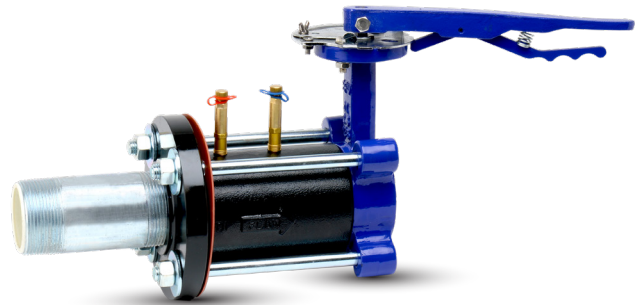
WT

Model WT - is designed to attach directly to a brass-body threaded ATC. It provides the dielectric protection needed for steel pipe.

Regulator - AutoFlow regulator is 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 unit has a drain plug, flange rods & nuts, and two drilled/tapped openings with extended pressure / temperature test ports at 12 o'clock and are standard. Options are shipped loose for field installation.

Butterfly Valve - The lug-type butterfly valve has a 2" (50mm) extended neck for insulation. Units have an inline-position handle and memory stop.

Pressure Drop - The pressure drop of the WT assembly is 2 psi or 4.6 ft. (460 Pa/m) [2-32 range] and 3 psi or 6.9 ft. (690 Pa/m) [3-20 range] for the 3" and 4" plus the loss through the butterfly valve which can be calculated using the Cv (Kv) rates on the BF Submittal (Form F215). The loss for other control ranges are shown in the notes under the chart below.



Key features

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

Technical description

Application

Hydronic Balancing

Functions:

Flow regulator, shut-off

Dimensions:

2 1/2" - 3"

Accuracy:

±5%

Rating:

200 psig at 250° F (1379 kPa at 120°C)

Flow Regulator Material:

Body: Cast Iron
Flow Cartridge: Stainless Steel Wear Surfaces with Stainless Steel Spring

Butterfly Valve Material:

Body: Cast Iron, Lug-type ANSI 125/150
Seat & Gasket: EPDM
Stem: 416 Stainless Steel
Bearings: Bronze Sleeve
Disc: Al-Bronze or Stainless Steel

Connections / Flow

Model	Size	Connections	Maximum gpm (lps)* Control Range psi (kPa)							
			2-32 (1)		5-60 (2)		3-20 (3)		5-40 (4)	
			(14-221)	(3)	(35-414)	(4)	(21-138)	(3)	(35-276)	(4)
WT0250-100(-)	2.5 (65)	1" Inlet & 2 1/2" Outlet	40	(3)	50	(3)	--	--	--	--
WT0250-125(-)	2.5 (65)	1 1/4" Inlet & 2 1/2" Outlet	50	(3)	65	(4)	--	--	--	--
WT0250-150(-)	2.5 (65)	1 1/2" Inlet & 2 1/2" Outlet	80	(5)	100	(6)	--	--	--	--
WT0250-200(-)	2.5 (65)	2" Inlet & 2 1/2" Outlet	80	(5)	120	(8)	--	--	--	--
WT0300-125(-)	3.0 (80)	1 1/4" Inlet & 3" Outlet	70	(4)	70	(4)	--	--	--	--
WT0300-150(-)	3.0 (80)	1 1/2" Inlet & 3" Outlet	110	(7)	120	(8)	--	--	--	--
WT0300-200(-)	3.0 (80)	2" Inlet & 3" Outlet	130	(8)	140	(9)	180	(11)	200	(13)

Notes

WT0400 - Contact customer service for availability.

2 1/2" models have 2-32 and 5-60 cartridges.

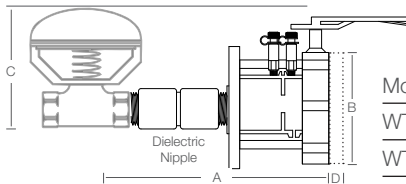
The (-) in the model number must be replaced by: **1**: 2-32 (14-221); **2**: 5-60 (35-414); **3**: 3-20 (21-138); **4**: 5-40 (35-276).

For pump head calculations, the following loss applies for each range: 4.6 ft. or 460 Pa/m (2-32); 11.6 ft. or 1160 Pa/m (5-60); 6.9 ft. or 690 Pa/m (3-20); 11.6 ft. or 1160 Pa/m (5-40). *gpm increments are 5 gpm for 2 1/2", 10 gpm for 3-20 & 5-60.

All weights and dimensions are subject to minors changes. Flange bolts & nuts not included in estimated weight. Dimensions not to be used for construction unless prints certified by factory. Allow approximately one foot for clearance on butterfly valve/handle.

Articles

Dimensions



Model	Size in./(mm)	A in./(mm)	B in./(mm)	C in./(mm)	D in./(mm)	Max No. 3" Canisters	Weight lb./(kg)
WT0250-100(-)	2.5 (65)	9.0 (229)	7.0 (178)	7.2 (183)	1.4 (36)	*1	31 (14)
WT0250-125(-)	2.5 (65)	9.0 (229)	7.0 (178)	7.2 (183)	1.4 (36)	*1	31 (14)
WT0250-150(-)	2.5 (65)	9.0 (229)	7.0 (178)	7.2 (183)	1.4 (36)	*1	32 (15)
WT0250-200(-)	2.5 (65)	9.0 (229)	7.0 (178)	7.2 (183)	1.4 (36)	*1	32 (15)
WT0300-125(-)	3.0 (80)	12.0 (305)	7.5 (191)	7.6 (193)	1.4 (36)	1	42 (19)
WT0300-150(-)	3.0 (80)	12.0 (305)	7.5 (191)	7.6 (193)	1.4 (36)	1	43 (20)
WT0300-200(-)	3.0 (80)	12.0 (305)	7.5 (191)	7.6 (193)	1.4 (36)	1	43 (20)

Note:

*WT-250 uses a 2 1/2" cartridge



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