



Model WT valve shown with standard extended pressure / temperature ports and grooved adapter flange (shown dotted on drawings)

**Product Information**
**Rating:** 200 psig at 250° F (1379 kPa at 120° C)

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

**Butterfly Valve**
**Body:** Cast Iron, Lug-Type ANSI Class 125/150  
**Seat & Gasket:** EPDM  
**Stem:** 416 Stainless Steel  
**Bearings:** Bronze Sleeve  
**Disc:** Aluminum / Bronze

**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  $\pm 5$  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.

Model	Dimensions					Maximum Flow gpm (Ips)*				Max No. Cartridges	Weights lb. (kg)
	Size in./(mm)	A in./(mm)	B in./(mm)	C in./(mm)	D in./(mm)	Control Range psi (kpa)					
						2-32 (14-221)	5-60 (35-414)	3-20 (21-138)	5-40 (35-276)		
WT0250 - 100 (-)	2.5 (65)	9.0 (229)	7.0 (178)	7.2 (183)	1.4 (36)	40 (3)	50 (3)	-	-	1	31 (14)
WT0250 - 125 (-)	2.5 (65)	9.0 (229)	7.0 (178)	7.2 (183)	1.4 (36)	50 (3)	65 (4)	-	-	1	31 (14)
WT0250 - 150 (-)	2.5 (65)	9.0 (229)	7.0 (178)	7.2 (183)	1.4 (36)	80 (5)	100 (6)	-	-	1	32 (15)
WT0250 - 200 (-)	2.5 (65)	9.0 (229)	7.0 (178)	7.2 (183)	1.4 (36)	80 (5)	120 (8)	-	-	1	32 (15)
WT0300 - 125 (-)	3.0 (80)	12.0 (305)	7.5 (191)	7.6 (193)	1.4 (36)	70 (4)	70 (4)	-	-	1	42 (19)
WT0300 - 150 (-)	3.0 (80)	12.0 (305)	7.5 (191)	7.6 (193)	1.4 (36)	110 (7)	120 (8)	-	-	1	43 (20)
WT0300 - 200 (-)	3.0 (80)	12.0 (305)	7.5 (191)	7.6 (193)	1.4 (36)	130 (8)	140 (9)	180 (11)	200 (13)	1	43 (20)

**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 &amp; 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.

**Disclaimer** The products, texts, photographs, graphics and diagrams in this submittal may be subject to alteration by Flow Design Inc. without prior notice or reason being given.

Model	Connections	
	Size	Connections
WT0250 - 100 (-)	2 1/2 (65)	1" Inlet & 2 1/2" Outlet
WT0250 - 125 (-)	2 1/2 (65)	1 1/4" Inlet & 2 1/2" Outlet
WT0250 - 150 (-)	2 1/2 (65)	1 1/2" Inlet & 2 1/2" Outlet
WT0250 - 200 (-)	2 1/2 (65)	2" Inlet & 2 1/2" Outlet
WT0300 - 125 (-)	3 (80)	1 1/4" Inlet & 3" Outlet
WT0300 - 150 (-)	3 (80)	1 1/2" Inlet & 3" Outlet
WT0300 - 200 (-)	3 (80)	2" Inlet & 3" Outlet