

Model WB shown with standard Extended Pressure / Temperature Ports and optional mating flange (in dotted lines).

Product Information

Assembly Rating: 225 psig at 250°F (15 Bar at 120° C)

Flow Regulator

- Body:** Ductile 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:** Al-Bronze or Stainless Steel
(If SS is required please consult factory)

Regulator 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 regulator body is compatible 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/gaskets not included.

Butterfly Valve The lug-type butterfly valve has a 2" (50 mm) extended neck for insulation. Units have an infinite-position handle, 2 1/2" - 6" (65 - 200 mm).

Pressure Drop The pressure drop of the WB assembly is 2 psi or 4.6 ft. (460 Pa/m) [2-32 range] 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.

Dimensions not to be used for construction unless prints certified by factory.

Dimensions

Model	Size in./ (mm)	A in./ (mm)	B in./ (mm)	C in./ (mm)	D in./ (mm)	Weight lb. (kg)	Max. No. of Cartridges	Maximum gpm (lps)* Control Range psi (kPa)				
								2-32 (14-220)	5-60 (35-414)	3-20 (21-138)	5-40 (35-276)	7-45 (48-310)
WB0250(-)	2 1/2 (65)	7.5 (190)	7.0 (180)	7.2 (185)	9.0 (230)	23 (13.5)	1	80 (5.0)	120 (8.0)	-	-	-
WB0300(-)	3 (80)	10.6 (255)	7.5 (190)	7.6 (195)	9.0 (230)	34 (18.0)	1	135 (8.5)	170 (11.0)	200 (12.5)	250 (16.0)	300 (19.0)
WB0400(-)	4 (100)	11.7 (295)	9.0 (230)	8.4 (215)	9.0 (230)	53 (29.9)	2	270 (17.0)	340 (21.5)	400 (25.0)	500 (31.5)	600 (37.0)
WB0500(-)	5 (125)	12.3 (315)	10.0 (255)	8.9 (225)	9.0 (230)	86 (39.2)	3	405 (25.5)	510 (32.0)	600 (38.0)	750 (47.0)	900 (57.0)
WB0600(-)	6 (150)	12.4 (315)	11.0 (280)	9.6 (245)	9.0 (230)	103 (46.7)	4	540 (34.0)	680 (43.0)	800 (50.5)	1000 (63.0)	1200 (76.0)
WB0800(-)	8 (200)	13.4 (340)	13.5 (345)	10.8 (275)	5.0 (130)	151 (68.6)	7	945 (60.0)	1190 (75.0)	1400 (88.5)	1750 (110.0)	2100 (132.5)

Notes

The (-) in the model number must be replaced by: 1: 2-32 (14-220); 2: 5-60 (35-414); 3: 3-20 (21-138); 4: 5-40 (35-276) or 5: 7-45 (48-310).

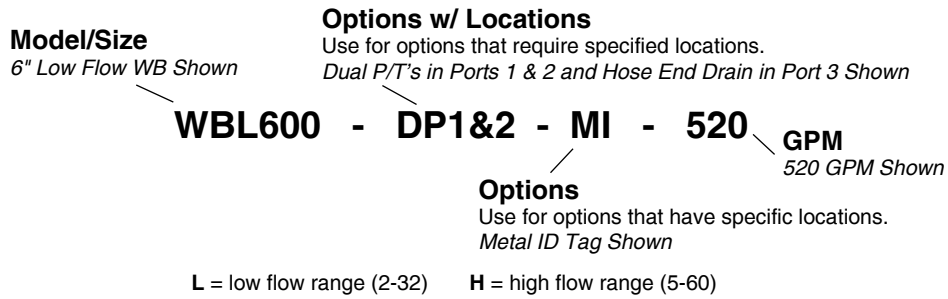
For pump head calculations, the following loss applies for each range: 4.6 ft. or 13.7 kPa (2-32); 11.6 ft. or 34.6 kPa (5-60); 6.9 ft. or 17.9 kPa (3-20); 11.6 ft. or 34.6 kPa (5-40); & 16.2 ft. or 48.4 kPa (7-45).--

*gpm increments are 5 gpm for 2-32 & 5-60, 10 gpm for 3-20 & 5-40 and 20 gpm for 7-45.

All weights and dimensions are subject to minor changes. Flange bolts & nuts not included in estimated weight.

Allow approximately one foot for clearance on butterfly valve/handle.

Model Order Designation



Options Available

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|---|---|-------------------------|
| AA Automatic Air Vent | DX Dual XL P/T Ports (inlieu of std. access ports) | SE Stem Extender |
| AV Manual Air Vent | HN Hose End Drain | |
| DP Dual P/T Ports ((inlieu of std. access ports) | PI Plastic ID Tag | |

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