

JOB:
REPRESENTATIVE:

 UNIT TAG:
 ENGINEER:
 CONTRACTOR:

 ORDER NUMBER:
 SUBMITTED BY:
 APPROVED BY:

 DATE:
 DATE:
 DATE:


Circuit Sentry™

Model WV - Wafer Valves

CONSTRUCTION

Body: Ductile Iron
 DIN 1693-GGG-40
Cartridge: 304 Stainless Steel
O-Rings: EPDM
Diaphragm: Reinforced EPDM
Spring: Stainless Steel

MAXIMUM WORKING PRESSURE

250 psig (1,724 kPa)

TEMPERATURE RANGE

-4°F (-20°C) to 230°F (111°C)

CONTROL RANGE

Min: Varies on valve size and flow.
 See submittal A-606.22.
 Max: 60 psi (414 kPa)
 Flanges up to 250#

Accuracy

+/- 5%

MINIMUM FLOW**

15 GPM (0.95 lps)

MAXIMUM FLOW**

7,200 GPM (454.2 lps)

FLOW INCREMENTS

5 GPM (0.32 lps)

Wafer Valves are not intended for use in open systems.

**B&G recommends following ASHRAE's design criteria for hydronic system piping, flow rates, and friction losses.

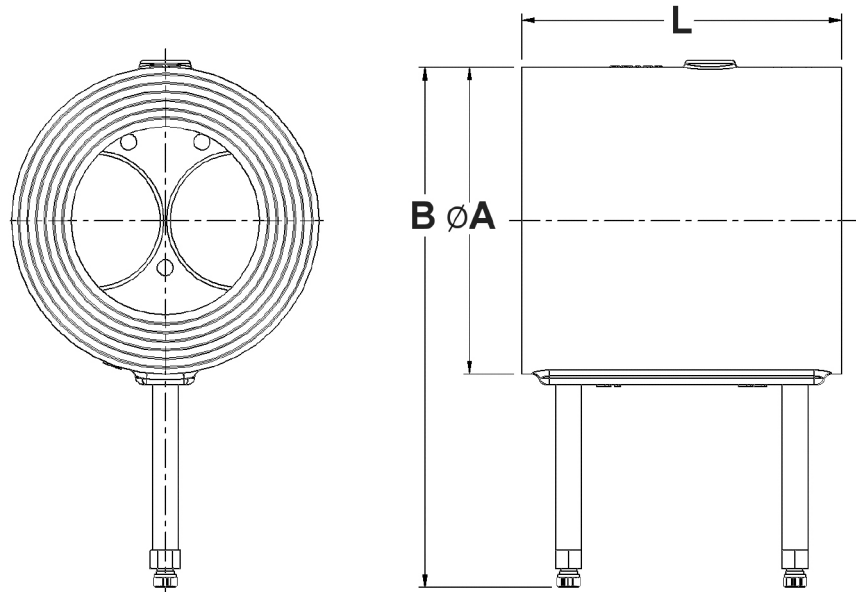
DESCRIPTION

The Bell & Gossett Model WV is a combination automatic flow limiting and commissioning valve for use in closed HVAC systems. Wafer valves are furnished with flow cartridges, two 4" pressure / temperature ports and a ID tag for commissioning. A lifting lug is provided on valve sizes 4" through 20". The wafer valve body is compatible with Ansi Class 125, 150 lb. and 250# flanges. Companion flanges, mounting hardware and gaskets are not included.

SCHEDULE

SIZE	TAGGING INFORMATION	QUANTITY
2½" Wafer		
3" Wafer		
4" Wafer		
5" Wafer		
6" Wafer		
8" Wafer		
10" Wafer		
12" Wafer		
14" Wafer		
16" Wafer		
18" Wafer		
20" Wafer		

DIMENSIONS



SIZE Inch(mm)	DIMENSIONS* INCH (mm)			Maximum Flow** GPM (lps)	Maximum Cartridges per Valve	Approx. Shpg. Wt. w/Max. Cartridges Lbs. (kg)
	A	B	L			
2½" (63.5)	4.7 (119)	9.3 (237)	6.7 (170)	180 (11.4)	1	12 (5.4)
3" (76.2)	5.2 (131)	9.8 (249)	6.7 (170)	180 (11.4)	1	14 (6.4)
4" (101.6)	6.4 (163)	11.1 (281)	6.7 (170)	360 (22.7)	2	22 (10)
5" (127)	7.6 (193)	12.2 (311)	6.7 (170)	540 (34.1)	3	28 (12.7)
6" (152.4)	8.5 (216)	13.1 (334)	6.7 (170)	720 (45.4)	4	31 (14.1)
8" (203.2)	10.7 (271)	15.3 (389)	6.7 (170)	1,260 (79.5)	7	51 (23.1)
10" (254)	12.8 (326)	17.3 (440)	6.7 (170)	2,160 (136.3)	12	69 (31.3)
12" (304.8)	15.1 (383)	19.7 (501)	6.7 (170)	2,700 (170.3)	15	95 (43.1)
14" (355.6)	17.4 (443)	22.1 (561)	6.7 (170)	3,420 (215.8)	19	123 (55.8)
16" (406.4)	19.5 (496)	24.6 (624)	6.7 (170)	4,680 (295.3)	26	166 (75.3)
18" (457.2)	21.5 (545)	26.5 (673)	6.7 (170)	5,940 (374.8)	33	193 (87.5)
20" (508)	23.9 (607)	28.7 (729)	6.7 (170)	7,200 (454.2)	40	228 (103.4)

*All dimensions +/- 0.125 (3.2 mm) tolerance. Dimensions are subject to change. Not to be used for construction purposes unless certified.

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