Bell & Gossett
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Submittal
A-338G R3

Job		Representative			
Unit tag:		Order number:		Date:	
Engineer:		Submitted by:		Date:	
Contractor:		Approved by:		Date:	

Miscellaneous accessories



No. 87, 67, and 7 automatic air vents: Designed to vent the accumulation of troublesome air wherever it can be trapped. These non-ferrous automatic air vents are 4¾" (120.7 mm) x 2¼" (57.2 mm), 3³⁄₁₆" (81.0 mm) x 1½" (38.1 mm), and 4¹⁄₁₆" (103.2 mm) x 2³⁄₁₆" (55.6 mm)(height and width), respectively, and are rated for a maximum operating temperature of 240°F (116°C) at pressures of 150 (10.3), 35 (2.4), and 75 (5.2) PSIG (bar), respectively. The No. 87 has a combination of 1/2 FNPT and 3/4 MNPT connection connection, whereas No's. 67 and 7 have 1/8 MNPT and 1/8 FNPT connections, respectively.

No. 26 vacuum breaker: Designed to protect closed vessels and piping systems against collapse when the induced vacuum exceeds design conditions. When used on steam heating piping systems, the No. 26 Vacuum Breaker controls induced vacuum permitting normal return of condensate to the boiler. Adjustable range 1/4 - 20 inHg vacuum - 150 PSIG (10.3 bar) maximum working pressure - 300°F (149°C) maximum operating temperature (Factory set at 4 inHg.).

No. 4V "coin-operated" air vent: This vent is specially designed for the new types of radiators. A particular feature is that it projects only slightly, being almost flush with the radiator.

- **150 PSIG (10.3 bar) working pressure**
- **250°F (121°C) maximum operating temperature**

No. 107A high capacity air vent: A rugged high capacity air vent designed to purge free air from liquid systems at operating pressures up to 150 PSIG (10.3 bar). The Model 107A air vent has a cast iron body and bonnet, with stainless-steel, brass, and EPDM internal components and is suitable for a maximum operating temperature of 250°F (121°C). The Model 107A air vent has a 3/4 FNPT inlet and 3/8 FNPT outlet.

RV-125A readout valve and RP-250B readout probe: The RV-125A is designed for use wherever pressure tappings are required to monitor flow or pressures. This readout valve is fitted with an EPT insert which incorporates a unique check valve feature designed to check flow when the readout valve is not being used to monitor flow. Use companion RP-250B readout probes with the RV-125A readout valve.

- **300 PSIG (20.7 bar) working pressure**
- **250°F (121°C) maximum operating temperature**

DT-2 Drain-O-Tank® air charger: The Drain-O-Tank air charger offers a sure, quick way to recharge a water-logged compression tank.

- **125 PSIG (8.6 bar) working pressure**
- **240°F (116°C) maximum operating temperature**

No. 97 air vent: is a float type automatic air vent that is designed to vent troublesome air from hydronic heating systems. The 97 vent has forged brass body and cap with non-ferrous internals. The vent is 3⅛" (79.4 mm) x 1⅞" (47.6 mm) with a maximum operating pressure of 150 PSI and temperature of 240°F (116°C).

- **150 PSIG (10.3 bar) working pressure**
- **240°F (116°C) maximum operating temperature**

No. 98 air vent: is a high capacity automatic air vent that is designed to remove air in closed loop systems. The No. 98 high capacity air vent has brass body and cap with non-ferrous internals. The vent is 4½" (114.3 mm) x 2¼" (57.2 mm) with with combination of 1/2 FNPT and 3/4 MNPT connection.

- **150 PSIG (10.3 bar) working pressure**
- **250°F (121°C) maximum operating temperature**

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Schedule

Model number	Part number	Product	Maximum working pressure PSIG (bar)	Maximum operating temperature °F (°C)	Tagging information	Quantity
4V	113055	Air vent	150 (10.3)	250 (121)		
67	113020	Automatic air vent	35 (2.4)	240 (116)		
7	113001	Automatic air vent	75 (5.2)	240 (116)		
87	113021	Automatic air vent	150 (10.3)	240 (116)		
107A	113076	High capacity automatic air vent	150 (10.3)	250 (121)		
26	113075	Vacuum breaker	150 (10.3)	300 (149)		
DT-2	113041	Drain-o-tank	125 (8.6)	240 (116)		
97	113222	Automatic air vent	150 (10.3)	240 (116)		
98	113246	High capacity automatic air vent	150 (10.3)	250 (121)		
RV-125A	113100	Readout valve	300 (20.7)	250 (121)		
RP-250B	113102	Readout probe	300 (20.7)	250 (121)		

Dimensions and weights

Model number	Part number	Dimensions in. (mm.)		Connections inches NPT		Approx. shipping weight lbs. (kgs.)	
		Width	Height	Size	Type	Carton of	Total
4V	113055	⅝ (15.9)	⅝ (15.9)	1/8	M	48	2.0 (0.9)
67	113020	1½ (38.1)	3 3/16 (81.0)	1/8	M	12	3.0 (1.4)
7	113001	2 3/16 (55.6)	4 1/16 (103.2)	1/8	F	12	6.0 (2.7)
87	113021	2¼ (57.2)	4¾ (120.7)	3/4 1/2	M F	12	8.0 (3.6)
107A	113076	4½ (114.3)	9⅝ (244.5)	3/4	F	1	10.0 (4.5)
26	113075	1¼ (31.8)	3 (76.2)	3/4	M	6	3.0 (1.4)
DT-2	113041	2¼ (57.2)	9 5/16 (236.5)	1/2	M	12	8.0 (3.6)
97	113222	1⅞ (47.6)	3⅛ (79.4)	1/8	M	10	4.0 (1.8)
98	113246	2¼ (57.2)	4½ (114.3)	1/2 3/4	F M	10	8.0 (3.6)
RV-125A	113100	½ (12.7)	1 3/32 (27.8)	1/8	M	50	4.0 (1.8)
RP-250B	113102	½ (12.7)	1 31/32 (49.2)	7/16	M	6	0.1 (0.05)

**All dimensions and weights are approximate and not to be used for construction, pre-piping or freight rating unless certified by Bell & Gossett in writing.*

Materials of construction

Body (All products except model 107A high capacity air vent): Brass
Body and bonnet (Model 107A high capacity air vent): Cast iron
Internals (All products except model 107A high capacity air vent): Nonferrous
Internals (Model 107A high capacity air vent): Stainless-steel

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A-338G R3 9/2026