



Residential SuperVent™

PV SERIES AIR ELIMINATOR, 3/4" - 2" PIPE SIZE

SUBMITTAL SHEET

APPLICATION

The Resideo SuperVent automatically eliminates air and micro-bubbles from hydronic heating and cooling systems without bleeding. The SuperVent guarantees fast start-up with automatic venting, helps prevent corrosion of system components, and improves system efficiency. Additionally, the Resideo SuperVent micro-bubble concentrator has three times the impact area of other products.

SPECIFICATIONS

Application: Residential or Commercial closed loop hydronic heating or chilled water systems.

Working Pressure: 125 psi maximum

Operating Temperature: 0° F (-17.7° C), 239° F (115° C) maximum

System Shutoff: Brass cap for system shutoff. System can be air tested.

Flow: Bi-directional

Bottom Connection: 1/2" (12.7mm) NPT connection for field service (cleaning) and Expansion Tank mounting.

NOTE: PVU Universal models bottom connections are the same as inlet and outlet for vertical riser application.

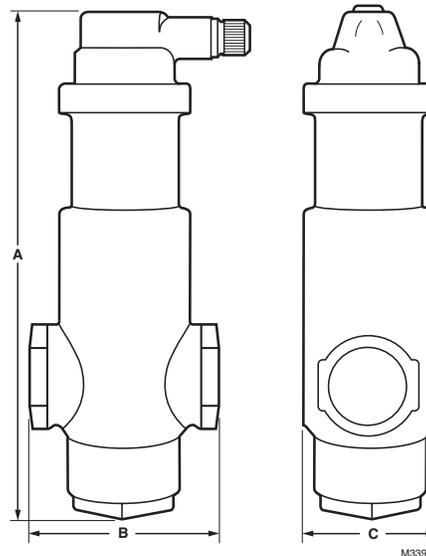
Patent Information: U.S. Patent no. 5,490,874

Warranty: 1 year limited warranty

Made in U.S.A.

Materials

Body	Bronze
Concentrator	Stainless Steel
Float	TPX® Polymethylpentene (PMP)
O-Rings	EPDM Rubber



Dimensions

Model Number	Pipe Size	Type	Dimensions in. / (mm)			Cv
			A	B	C	
PV 075	3/4" (19.05)	NPT	7.4" (188)	2.7" (68)	1.9" (48)	13
PV 100	1" (25.4)	NPT	8.1" (206)	3.2" (81)	2.1" (53)	22
PV 125	1 1/4" (31.75)	NPT	8.4" (213)	3.7" (94)	2.5" (63)	38
PV 150	1 1/2" (38.1)	NPT	9.7" (246)	4.3" (109)	3.1" (79)	53
PV 200	2" (50.8)	NPT	10.7" (272)	2.5" (63)	4" (101)	95
PV 100P	1" (25.4)	ProPress	8.1" (206)	6.4" (162.5)	2.1" (53)	22
PV 125P	1 1/4" (31.7)	ProPress	8.4" (213)	7.5" (191)	2.5" (63)	38
PV 075S	3/4" (19.05)	Sweat	7.4" (188)	3.2" (81)	1.9" (48)	13
PV 100S	1" (25.4)	Sweat	8.1" (206)	3.7" (94)	2.1" (53)	22
PV 125S	1 1/4" (31.7)	Sweat	8.4" (213)	4.4" (112)	2.5" (63)	38
PV 150S	1 1/2" (38.1)	Sweat	9.7" (246)	5.4" (137)	3.1" (79)	53
PV 200S	2" (50.8)	Sweat	10.7" (272)	7" (178)	4" (102)	95
PVU 075	3/4" (19.05)	NPT	7.8" (198)	2.7" (68)	1.9" (48)	11
PVU 100	1" (25.4)	NPT	8.4" (213)	3.2" (81)	2.1" (53)	12
PVU 125	1 1/4" (31.75)	NPT	8.9" (226)	3.7" (94)	2.5" (63)	27
PVU 150	1 1/2" (38.1)	NPT	10" (254)	4.3" (109)	3.1" (79)	36

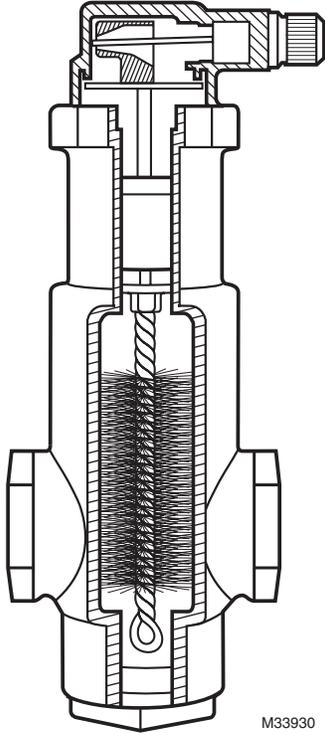
Job Name _____
 Engineer _____
 Mechanical Contractor _____
 Contractor's P.O. No. _____
 Representative _____
 Notes _____

Model(s) _____
 _____ Qty. _____ Notes _____
 _____ Qty. _____ Notes _____
 _____ Qty. _____ Notes _____
 Approval _____
 Service _____
 Tag No. _____



SUPERVENT CONCENTRATOR

The Stainless Steel Concentrator is a patented and a more efficient way to eliminate air (US Patent No. 5,490,874). The Stainless Steel Concentrator is removable for easy cleaning.

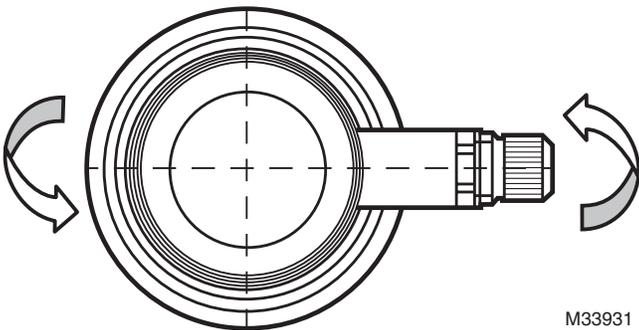


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For more information on cleaning refer to form 62-3069.

AIR VENT

The PV Series SuperVents come with an adjustable collar ring that allows the air vent to be turned a full 360 degrees, giving the SuperVent much more flexibility for installation than the traditional air vent.



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INSTALLATION

- Locate where you would normally locate air purger or air scoops
- Must be installed in a horizontal line
- Straight pipe runs up or downstream not required.
- Bi-directional.
- During normal operation, back off brass cap one turn.
- Tighten vent cap only when checking out system for leaks.

ADDITIONAL SPECIFICATIONS

- High Temperature Thermoplastic Float controls venting rate under continuous operation.
- Encapsulated O-Ring for leakproof cap seal.
- Debris baffle to control dirt fouling and prevent failure.
- Brass Bottom Plug for expansion tank mounting, ease of installation and maintenance.
- No-ClogVent for peace of mind, no leaking or callbacks.

SuperVent Models

Connection Type	Model Number	Size in. / (mm)	Max. Diameter in. / (mm)	Lbs. (Kg)
Female NPT	PV 075	¾" (19.05) Bottom Inlet	1 13/16 (46)	2 (0.91)
	PV 100	1" (25.4) Bottom Inlet	2 3/32 (53)	2.75 (1.24)
	PV 125	1 ¼" (31.75) Bottom Inlet	2 1/2 (64)	3.5 (10.66)
	PV 150	1 ½" (38.1) Bottom Inlet	3 3/32 (79)	5 (2.27)
	PV 200	2" (50.8) Bottom Inlet	4 (102)	8 (3.63)
	PVU 075	¾" (19.05) Bottom Inlet	1 13/16 (46)	2.1 (0.95)
	PVU 100	1" (25.4) Bottom Inlet	2 3/32 (53)	2.8 (1.27)
	PVU 125	1 ¼" (31.75) Bottom Inlet	2 1/2 (64)	3.6 (1.63)
	PVU 150	1 ½" (38.1) Bottom Inlet	3 3/32 (79)	5.2 (2.36)
Sweat	PV 075S	¾" (19.05) Bottom Inlet	1 13/16 (46)	2 (0.91)
	PV 100S	1" (25.4) Bottom Inlet	2 3/32 (53)	2.75 (1.24)
	PV 125S	1 ¼" (31.7) Bottom Inlet	2 1/2 (64)	3.5 (1.59)
	PV 150S	1 ½" (38.1) Bottom Inlet	3 7/64 (79)	5 (2.27)
	PV 200S	2" (50.8) Bottom Inlet	4 1/64 (102)	8 (3.63)
ProPress	PV 100P	1" (25.4) Bottom Inlet	2 3/32 (53)	3.26 (1.48)
	PV 125P	1 ¼" (31.7) Bottom Inlet	2 1/2 (64)	4.4 (2.0)