

For Residential Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series RPV

Residential Purge, Drain and Balancing Valves

Sizes: 3/4" – 1 1/4" (20 – 32mm)

Series RPV Residential Purge, Drain and Balancing Valves provide a unique and low cost solution for start-up purging, balancing and draining of hydronic heating loops. Using a rugged, dual-ball valve design, the small and compact RPV facilitates high volume purging, accurate balancing, tight shutoff and hose connection for draining and purging.

Features

- One-piece construction – no extra assembly required
- Maximum air purging – purges 500 foot loop in approximately 10 seconds
- Positive shutoff dual-ball valve design – tight seal on balance port maximizes purging
- New 90° Models allows tight to wall mounting
- New SM Models allows direct connect to pump flange

Models

- RPV-T female NPT inlet x female NPT outlet, 3/4"
 RPV-S solder inlet x solder outlet, 3/4", 1", 1 1/4" (*)
 RPV-TS female NPT inlet x solder outlet, 3/4"
 RPV-ST solder inlet x female NPT outlet, 3/4"
 RPV-SM solder inlet x male NPT outlet, 3/4", 1", 1 1/4" (*)

Specifications

A purge, drain and balancing valve shall be installed where indicated on the plans. The valve shall facilitate high volume purging, accurate balancing, tight shutoff and hose connection for draining and purging. The valve shall feature a dual-ball valve design. The valve shall be a Watts Regulator Company Series RPV.

Materials

- Body: Bronze/brass
 Ball: Plated brass
 Seats: Virgin PTFE

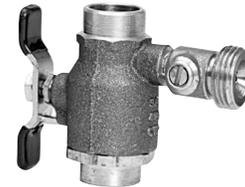
Pressure – Temperature

Maximum Inlet Temperature: 250°F (121°C)

Maximum Working Pressure: 50psi (344 kPa)

* Available as with -90 with Tee handle (3/4", 1") or lever handle (1 1/4")
 90° orientation from purge outlet (standard models 180° orientation)

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



3/4" RPV



1" RPV-S-90

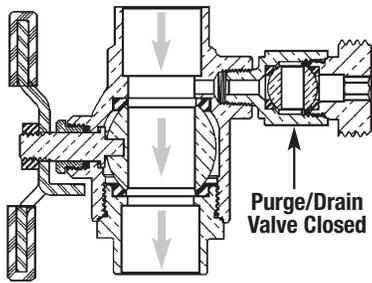


1 1/4" RPV-S-90

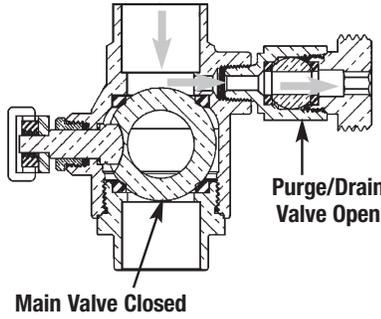


1 1/4" RPV-SM-90

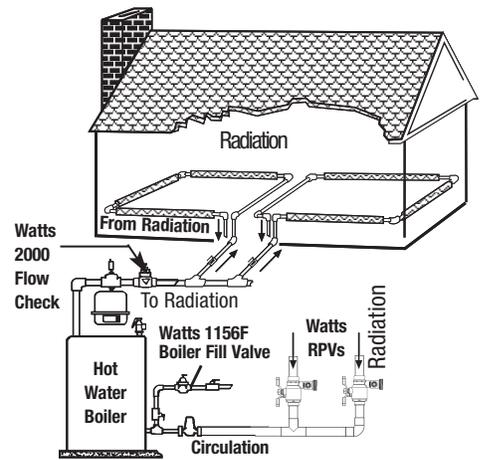
RPV – Normal Position



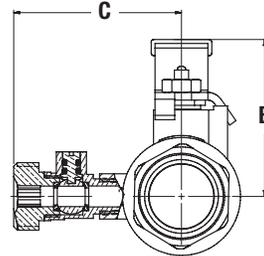
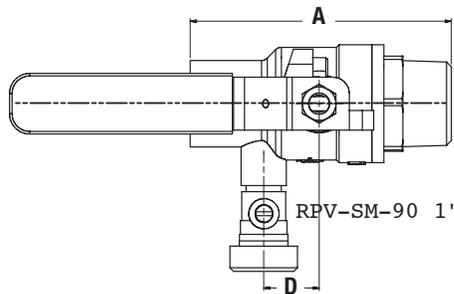
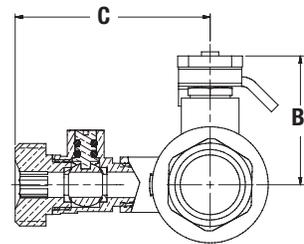
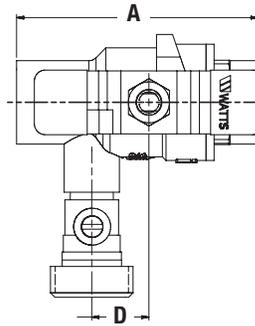
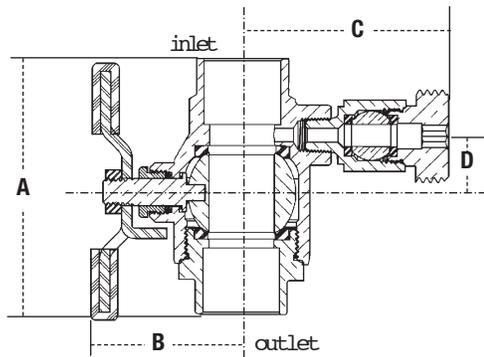
RPV – Purge/Drain Position



Hydronic Heating Circuit



Dimensions – Weights



MODEL	CONNECTIONS			DIMENSIONS								WEIGHT	
	inlet	outlet	Size	A		B		C		D		lbs.	kgs.
				in.	mm	in.	mm	in.	mm	in.	mm		
RPV-S	solder	solder	3/4"	2 15/16	75	1 3/4	44	2 3/8	60	1 1/16	17	1.2	0.5
RPV-T	FNPT	FNPT	3/4"	2 15/16	75	1 3/4	44	2 3/8	60	1 1/16	17	1.2	0.5
RPV-TS	FNPT	solder	3/4"	2 15/16	75	1 3/4	44	2 3/8	60	1 1/16	17	1.2	0.5
RPV-ST	solder	FNPT	3/4"	2 15/16	75	1 3/4	44	2 3/8	60	1 1/16	17	1.2	0.5
RPV-S	solder	solder	1"	3 3/4	95	2 3/8	60	2 3/4	70	7/8	22	1.0	0.4
RPV-S	solder	solder	1 1/4"	4 1/2	114	2 7/8	73	2 1/4	57	1 1/16	27	1.2	0.5
RPV-S-90	solder	solder	3/4"	3	76	1 5/8	41	2 7/16	62	1 1/16	18	1.0	0.4
RPV-S-90	solder	solder	1"	3 3/8	92	2 1/4	58	2 1/2	64	1 3/16	21	1.2	0.5
RPV-S-90	solder	solder	1 1/4"	4 7/16	113	2 1/2	63	2 5/8	67	1	25	1.7	0.8
RPV-SM-90	solder	MNPT	3/4"	3 7/16	87	1 5/8	41	2 7/16	62	1 1/16	18	1.0	0.4
RPV-SM-90	solder	MNPT	1"	4	102	2 5/16	58	2 1/2	64	1 3/16	21	1.6	0.7
RPV-SM-90	solder	MNPT	1 1/4"	4 7/16	113	2 1/2	63	2 1/2	64	1	25	2.0	0.9



Water Safety & Flow Control Products



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 Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca