

# AIR VENTS AND VALVES

## AIR VALVES

### AIR VALVES

Air valves are meant to reduce burner firing time on steam and hydronic heating systems, therefore saving energy and money. They are made of brass (nickel plated), which is a corrosion resistant material, and offer positive shut-off.



MODEL	DESCRIPTION	WEIGHT	HOUSING
9	Coin air vent, connection 1/8" NPT	0.6 oz	Brass, nickel plated
10	Key air vent, connection 1/8" NPT	0.6 oz	Brass, nickel plated
14	Key valve assembly, 20 x 3/16" OD tube, connection 1/8" NPT	4.3 oz	Brass, nickel plated/copper tube
14A	Coin valve assembly, 20 x 3/16" OD tube, connection 1/8" NPT	4.3 oz	Brass, nickel plated/copper tube

## AIR VENTS

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The automatic air vents remove trapped air to restore maximum pressure of systems. They are made of brass and can withstand temperatures as high as 120°C / 248°F (230°C / 446°F for solar air vent). Their side venting minimizes dirt build-up on seat.

As a natural function, air entrained in a water transmission line will collect at high points within that line. As this air accumulates, it reduces the effective area available to the flow of water and creates a throttling effect as would a partially closed valve. This restriction reduces the total line flow. It also causes an increase in power consumption and thereby raises pumping costs. In some extreme cases the continued accumulation of air can actually stop the flow of fluid within the pipe line.

The Air Release Valves mounted at high points within your piping system will remove air pockets of air as they accumulate. They provide an inexpensive and positive method of preventing those difficulties outlined above. In addition, their superior design, workmanship stainless steel trim will provide you with a quality valve, one which will give many years of maintenance free and trouble free operation.

R8818  
R8814  
R8812



A = width  
B = height



MV15

### CAST IRON PURGERS

Cast iron purgers are used for commercial and industrial hydronic systems to effectively control and eliminate entrained air. The purger is designed with an embossed flow indicator arrow for proper installation.



P100-300



P400

MODEL	CONNECT.	WEIGHT		HOUSING
		LB	KG	
P100	1"	4	1.8	Cast iron
P125	1 1/4"	4	1.8	Cast iron
P150	1 1/2"	8	3.6	Cast iron
P200	2"	8	3.6	Cast iron
P250	2 1/2"	20	9.1	Cast iron
P300	3"	19	8.6	Cast iron
P400	4"	38.4	17.4	Cast iron

#### Automatic air vents

MODEL	CONNECTION	DIMENSIONS		WEIGHT		HOUSING
		A	B	LB	KG	
R8818	1/8" MNPT	1 3/4"	2"	0.12	0.05	Brass
R8814	1/4" MNPT	1 3/4"	2"	0.12	0.05	Brass
R8812	1/2" MNPT	3 1/4"	1 3/4"	0.20	0.10	Brass
AVHTS	1/8" MNPT	2 1/4"	3 1/2"	0.60	0.30	Brass, nickel plated

#### Industrial air vents

MODEL	CONNECTION	MAXIMUM		WEIGHT		HOUSING
		PRESSURE	TEMPERATURE	LB	KG	
MV15	3/4" FNPT	150 PSI / 1034 kPa	345°C / 174°F	5.5	2.5	Cast iron

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