

Air Gaps, Elbows and Test Cocks

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor P.O. No. _____

Approval _____

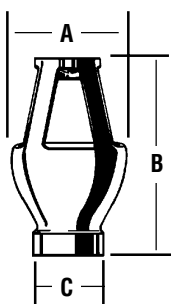
Representative _____

Air Gaps, Elbows and Test Cocks for Reduced Pressure Zone Backflow Preventers

Air Gaps

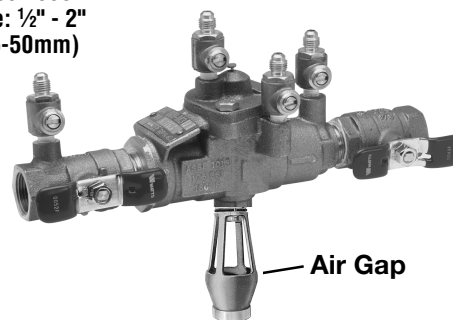
The Ames Air Gap Drain is designed to collect water that is being discharged by the relief valve, due to minor check valve fouling and/or to line pressure fluctuations.

Note: The Air Gap Drain is not designed to collect the full discharge capacity of the relief valve.

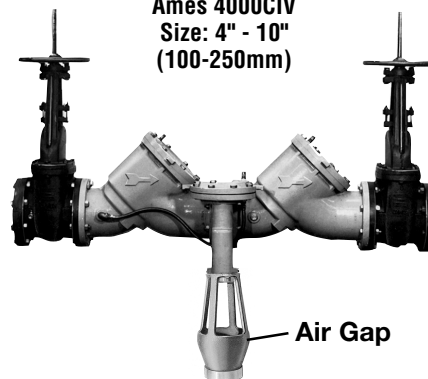


Ordering Code	Sizes/Series	Dimensions						Weight	
		A in.	A mm	B in.	B mm	C in.	C mm	lbs	kgs
7014267	½", ¾" 4000B	2½	60	3½	79	½	13	.63	.28
0691853	1", 1¼", 1½" 4000B	3¼	83	4¾	124	1	25	1.50	.68
0691866	2" 4000B	4¾	111	6¾	171	2	51	3.25	1.47
0691842	2½" - 10" 4000SS/5000SS	8	203	11¼	286	2	51	1.50	0.68
7014384	3" - 6" 4001/5001	8	203	11¼	286	5¼	146	1.50	0.68
7017299	4" - 10" 4000CIV	6¾	162	9¾	244	3	76	6.25	2.83
0690511	2½" - 10" 4000SS vertical	8	203	9¼	235	2¾	70	10.3	4.67
7011361	4000RP/5000RPDA (epoxy)	10¾	273	6¼	159	2½	67	6.7	3.04

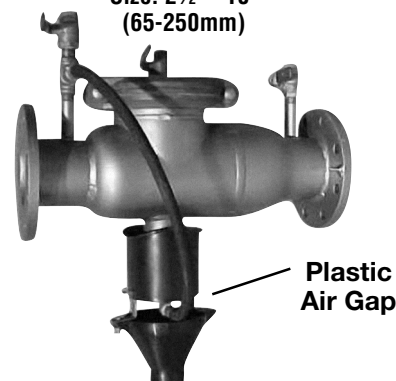
Ames 4000B
Size: ½" - 2"
(15-50mm)



Ames 4000CIV
Size: 4" - 10"
(100-250mm)

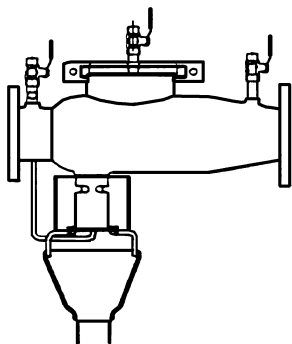


Ames 4000SS
Size: 2½" - 10"
(65-250mm)



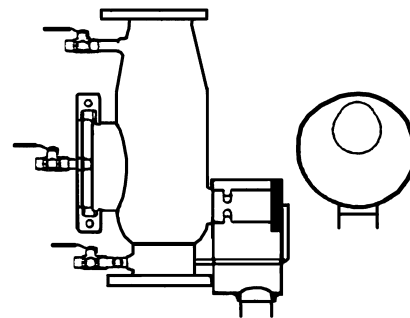
AMES^{CO.}
FLUID CONTROL SYSTEMS

Model 4000SS and 5000SS Sizes: 2½" thru 10"



Horizontal:

1. Remove two of the relief valve capscrews 180° apart.
2. Remove the relief valve hose from fitting below inlet ball valve.
3. From the top of the air gap, thread the relief valve hose down and out the slot.
4. Use ¼" - 20 UNC x 1" long stainless steel screws.
5. Reconnect relief valve hose to the fitting below the inlet ball valve.

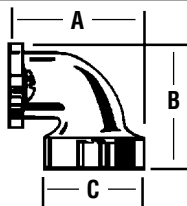


Vertical:

1. Detach the sensing line from the inlet ball valve and the elbow on the relief valve.
2. Remove the elbows from the relief valve base.
3. Hang the Air Gap Drain on the body of the relief valve
4. Reinstall the elbow into the base of the relief valve to hold the Air Gap Drain in place.
5. Install the rigid fitting end of the sensing line to the elbow on the base of the relief valve and the swivel end to the fitting on the ball valve.

Vent Elbows

Used with Ames air gaps for vertical installation of reduced pressure principle backflow preventers.

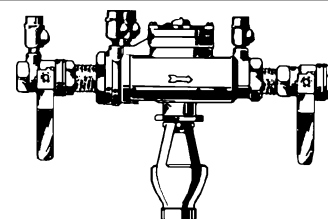
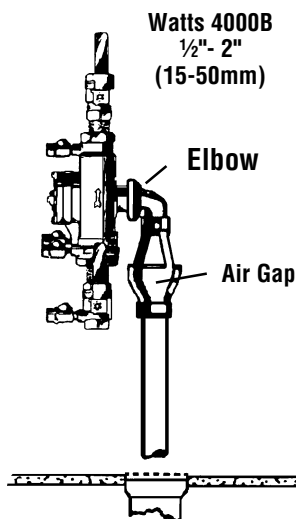


Ordering Code	Series/Sizes	Dimensions						Weight lbs kgs	
		A in.	A mm	B in.	B mm	C in.	C mm		
7012798	½" - ¾" 4000B	—	—	—	—	—	—	—	—
7012799	1", 1¼", 1½" 4000B	2¾"	60	2¾"	60	—	—	.38	.17
7016586	2" 4000B	3¾"	92	3¾"	92	—	—	2	.91

Stainless Steel Elbow Kits

Ordering Code	Description	Size
0691878	for N and Z pattern valves	3"
0691879		4"
0691880		6"
0691881		8"

Kits consist of: (2) Elbows, Nut, Bolts, Gaskets and Ring gaskets.



Horizontal Installation

The air gap is easily installed to the bottom of the Model 4000B backflow assembly by attaching it to the outlet of the relief valve using screws.

IMPORTANT:
Inquire with governing authorities for local installation requirements.

Vertical (Up) Installation of Backflow Preventer

For vertical installations use the optional elbows as shown.

Test Cocks

For use with backflow preventers, isolation valve for gauges, isolation valves for small equipment lines.

TC/Ames

- Full port ball valve design
- Screw driver slot to open and close
- Available ⅛" male x ¼" female - ⅛" TC/Ames (7017250) or ¼" male x ¼" female - ¼" TC/Ames (7017251)



SAE-TC/Ames

- Full port ball valve design
- Screwdriver slot operation
- Available ⅛" male x SAE - SAE TC/Ames (7017248)



SAE-TC Adapter/Ames

- ¼" female SAE x ¼" FPT
- Adapts to SAE-TC for use with pressure gauges or site tube
- SAE-TC Adapter/Ames (7017627)



Cap & Tether

Plastic cap and tether

(four required per backflow preventer)

- Fits ¼" female test cocks
- Plastic dust cap and rubber tether
- ARK-TC/Ames - ⅛" - ¼" (7017626)



SAE Brass Cap, O-ring and tether

(four required per backflow preventer)

- Fits ⅛" male x SAE test cocks
- Brass dust cap with O-ring seal and rubber tether
- ARK-SAE-TC/Ames (7017249)



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FLUID CONTROL SYSTEMS

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