

# Engineering Specification

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

## Air Gaps, Elbows, and Test Cocks

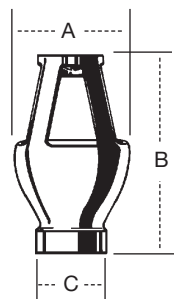
### For Reduced Pressure Zone Assemblies

#### Air Gaps

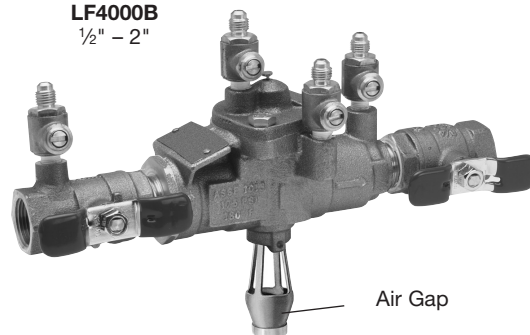
Ames Air Gap Drain is designed to collect water that is being discharged by the relief valve, due to minor check valve fouling and/or to line pressure fluctuations.

If using an air gap on an assembly equipped with a flood sensor, order the air gap listed for that specific flood sensor assembly model.

**Ames 400/500  
Air Gap  
2½" - 10"**



**Ames 4000B/  
LF4000B  
½" - 2"**



#### Approvals

ANSI/ASME A112.1.2

ORDERING CODE	SIZE/SERIES	FLOOD SENSOR MODEL/SIZE	DIMENSIONS						WEIGHT	
			A		B		C		lb	kg
			in.	mm	in.	mm	in.	mm		
7014267	½", ¾" 4000B/LF4000B	—	2⅝	60	3⅞	79	½	13	0.63	0.28
0691853	1", 1¼", 1½" 4000B/LF4000B	—	3¼	83	4⅞	124	1	25	1.50	0.68
0691866	2" 4000B/LF4000B	—	4⅝	111	6¾	171	2	51	3.25	1.47
0691842	2½" - 10" 4000SS/5000SS	—	8	203	11¼	286	2	51	1.50	0.68
7017299	4" - 10" 4000CIV	—	6⅝	162	9⅝	244	3	76	6.25	2.83
0690511	2½" - 6" 4000SS vertical	—	8	203	9¼	235	2¾	70	10.3	4.67
7019628	2½" - 10" 400/500 w/Splash Guard	400/500 2½" - 10" 4000SS/5000SS 2½" - 12"	7½	190	12	304	2	51	1.5	0.68
0064661	¾"-1" 400B AG	—	2⅝	60	3⅞	79	½	13	0.63	0.28
0064662	1¼"-2" 400B AG	—	4⅝	111	8½	216	2	51	3.5	1.6
0881393	2" 4000B	—	3⅝	83	4½	114	—	—	3.7	1.68
0881394	1" - 1½" 4000B	—	2⅝	60	5¼	133	—	—	1.8	0.82
7019629	2½" - 10" AG w/L-shaped SS Brackets	—	7½	190	—	—	—	—	—	—

#### NOTICE

The air gap drain is not designed to collect the full discharge capacity of the relief valve.

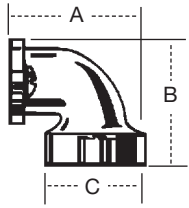
The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Ames Fire & Waterworks product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Ames Fire & Waterworks Technical Service. Ames Fire & Waterworks 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 Ames Fire & Waterworks products previously or subsequently sold.



## Vent Elbows

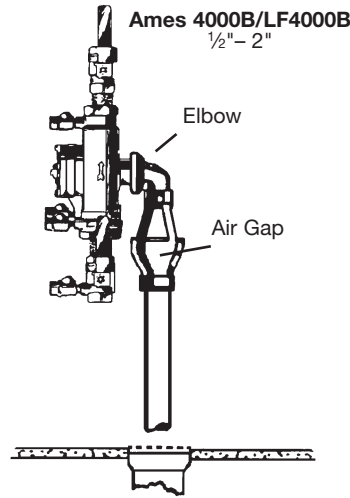
Used with Ames air gaps for vertical installation of Reduced Pressure Zone assemblies.



### NOTICE

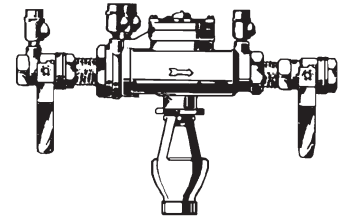
Not all RPZ assemblies have certification for vertical installation. Inquire with governing authorities for local installation allowances.

ORDERING CODE	SIZE/SERIES	DIMENSIONS			WEIGHT	
		A <i>in. mm</i>	B <i>in. mm</i>	C <i>in. mm</i>	<i>lb</i>	<i>kg</i>
7012798	1/2" - 3/4" 4000B/LF4000B	-	-	-	-	-
7012799	1", 1 1/4", 1 1/2" 4000B/LF4000B	2 3/8 60	2 3/8 60	-	0.38	0.17
7016586	2" 4000B/LF4000B	3 5/8 92	3 5/8 92	-	2.0	0.91



### Vertical (Up) Installation

Use the elbow as shown when vertical installation is allowed.



### Horizontal Installation

Screws are used to attach the air gap to the relief valve outlet of Series 4000B backflow assembly.

## Installation Elbows

Cast Iron Elbow Kits — For N pattern  
Colt and Maxim Series 200, 300

LEAD FREE*	ORDERING CODE	SIZE
	7018541	6"

Kits consist of \*(2) grv x grv elbows and (2) Groove Couplers

Cast Iron Elbow Kits — For N and Z pattern  
Colt and Maxim Series 400, 500

LEAD FREE*	ORDERING CODE	SIZE
	7018546	4"

Kits consist of \*(2) grv x grv elbows and (2) Groove Couplers

## Cap and Tether

### Plastic cap and tether

(Four required per backflow preventer)

- Fits 1/4" female test cocks
- Plastic dust cap and rubber tether
- ARK-TC/Ames — 1/8" - 1/4" (7017626)



### SAE Brass cap, O-ring, and tether

(Four required per backflow preventer)

- Fits 1/8" male x SAE test cocks
- Brass dust cap with O-ring seal and rubber tether
- ARK-SAE-TC/Ames (7017249)



## Test Cock Adapter

### SAE-TC Adapter/Ames

- 1/4" female SAE x 7/16" FPT
- Adapts to SAE-TC for use with pressure gauges or site tube
- SAE-TC Adapter/Ames (7017627) (not shown)

## Test Cocks

For use with backflow preventers, isolation valve for gauges, isolation valves for small equipment lines. Lead Free\* models available.

### TC/Ames

- Full port ball valve design
- Screw driver slot to open and close
- Available 1/8" male x 1/4" female — 1/8" TC/Ames (7017250) or 1/4" male x 1/4" female — 1/4" LFTC/Ames (0425363)



### SAE-TC/Ames

- Full port ball valve design
- Screwdriver slot operation
- 1/8" male x SAE — LFSAE TC/Ames (0425362)



### 1/2" TC Kit for Ames Colt/Maxim Series

- Fits 2 1/2"-4" Colt/Maxim Series
- Ordering code 7018394

### 3/4" TC Kit for Ames Colt/Maxim Series

- Fits 6"-10" Colt/Maxim Series
- Ordering code 7018395



A WATTS Brand