

Manufactured by Conbraco Industries, Inc.

AIR GAP DRAIN (AGD)

For installation with Apollo's:
 Reduced Pressure Principle (RP) and
 Reduced Pressure Detector Assembly
 Backflow Preventers

Model RP4A 8"
 Model RPDA4A 8"
 Model RPDA2 4A 8"

Model RP4AN 8"
 Model RPDA4AN 8"
 Model RPDA2 4AN 8"

DESCRIPTION

The Apollo Air Gap Drain (AGD) is designed to funnel minor relief valve (RV) discharges due to line pressure fluctuations and/or minor check valve fouling into the drainage system.

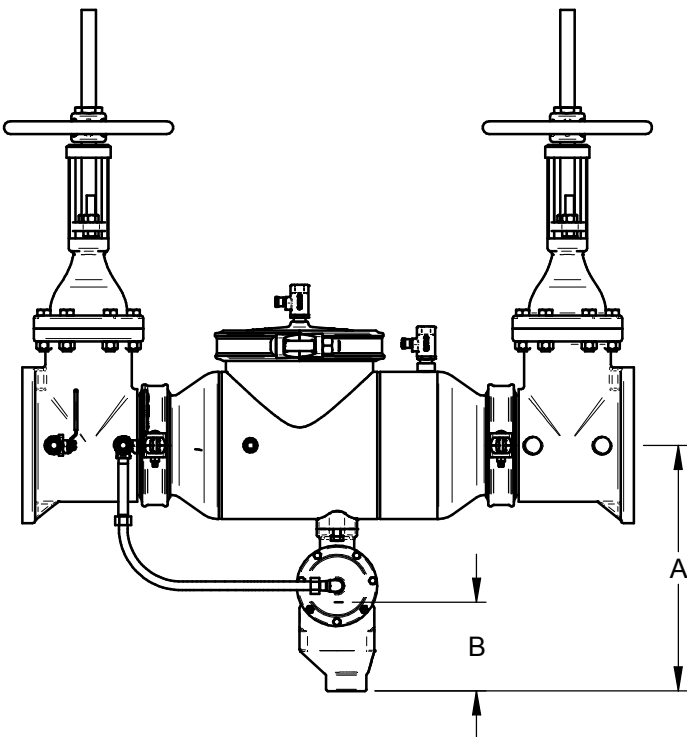
NOTES:

Drainage piping is easily attached to the threaded portion of the AGD. The Female NPT size is listed in the table under "EXIT PIPING THREADS C". The AGD is ABS plastic and drainage piping may also be glued on with a coupling and the appropriate cement or using a flexible pipe coupling. The OD is listed in the table under "OD OF C".

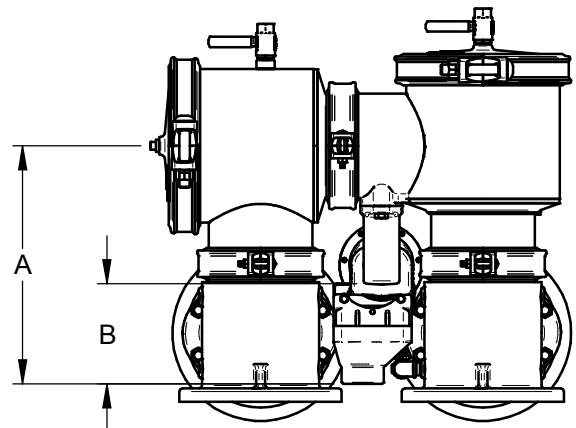
NOTE: Use care when installing excess piping or using bends or elbows which induce any side load or bending. Pipe hangers should be used to support attached piping.

NOTE: The AGD is not designed to collect the full discharge capacity of the relief valve.

MODEL	A	B	EXIT PIPING THREADS C	OD OF C
RP4A	21.3	9.1	2 1/2" FNPT	3" PIPE
RP4AN	19.8	9.1	2 1/2" FNPT	3" PIPE



ADAPTER NOT NECESSARY
 ON 4A SERIES



4AN SERIES SHOWN WITH
 ATTACHED ADAPTER

NOTE: Isolate the RP device from line pressure and relieve internal pressure before installing the Air Gap Drain.

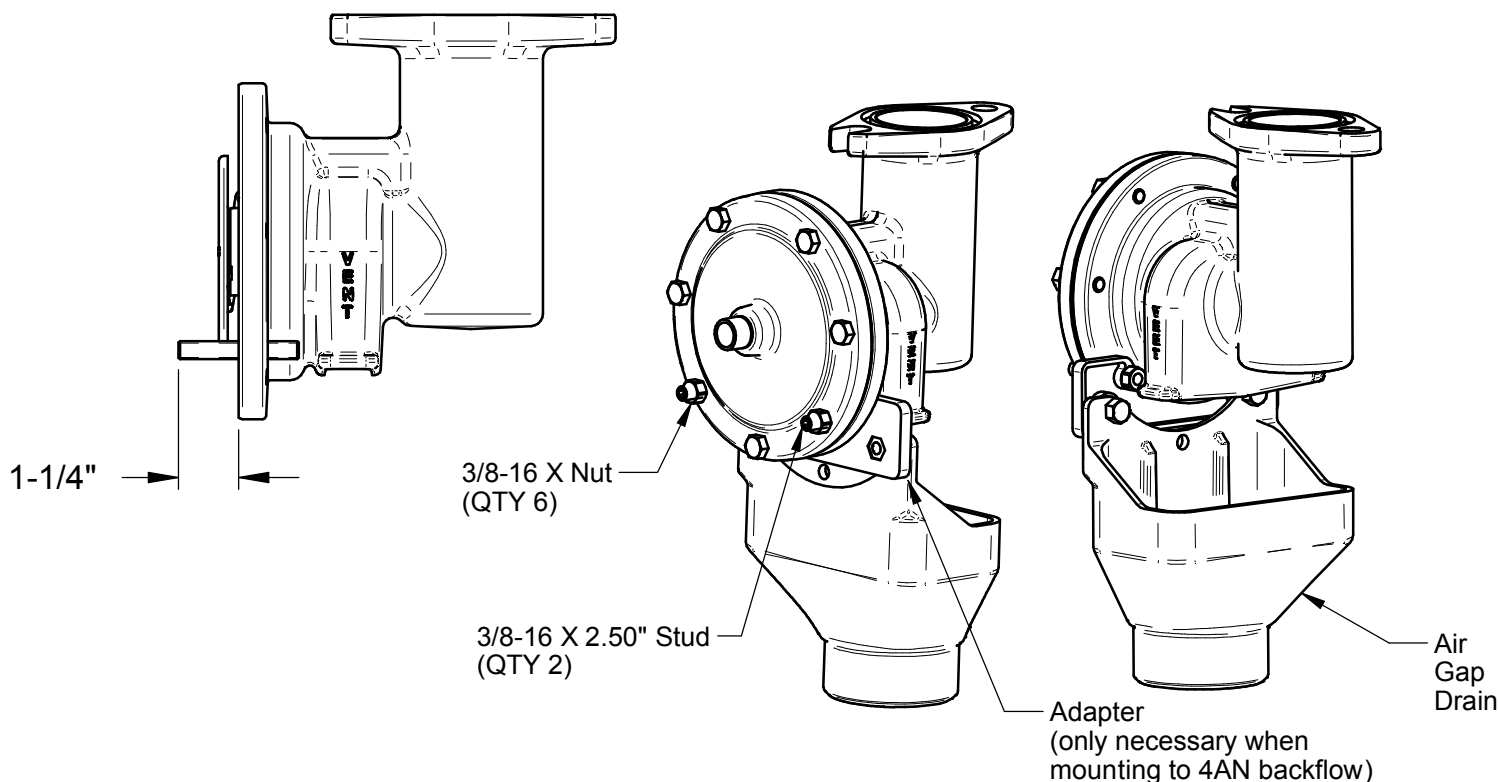
Tools for AGD4A-8 installation:

Required: 9/16" open end wrench, 3/16" Allen wrench.

Helpful to have: 9/16" socket and ratchet.

NOTE: THE INCLUDED ADAPTER IS ONLY NECESSARY WHEN INSTALLING THE AGD ON A 4AN BACKFLOW PREVENTER. IT IS NOT NECESSARY WHEN INSTALLING THE AGD ON A 4A BACKFLOW PREVENTER. INSTALL THE ADAPTER ONTO THE AGD WITH SCREWS AND NUTS PROVIDED BEFORE INSTALLING THE AGD ASSEMBLY ON THE VALVE.

1. Remove all seven relief valve (RV) cover bolts. Then remove the relief valve cover and diaphragm.
2. Hand thread the two provided studs into the 5 o'clock and 7 o'clock positions about 1/2" deep into the threaded holes of the RV body. If necessary use an Allen wrench.
3. Apply several drops of the provided thread-locking compound to the studs' threads near the RV body.
4. Thread the studs the rest of the way into the body until the studs protrude from the machined face by 1-1/4" (see figure below). Wipe off the excess thread-locking compound. Check that the AGD (or adapter) and nuts will slip between the end of the studs and the vent. Back the studs out a turn or two if necessary.
5. Slip the AGD (or adapter) over the studs from the vent side. Place a provided nut on each stud to hold the AGD (or adapter) in place.
6. Allow time for the thread-locking compound to set. Then, tighten the nuts with a 9/16" open end wrench until snug. **DO NOT OVERTIGHTEN.**
7. Re-install the diaphragm and RV cover. Install the remaining five bolts into the RV. Thread provided nuts onto the studs. Tighten all firmly.
8. Re-establish line pressure within the RP and check for leaks.
9. Hand thread the drainage piping into the AGD. The AGD is ABS plastic and discharge piping has the option of being glued to the outer diameter (OD) of the air gap outlet with a coupling and the appropriate cement or using a flexible pipe coupling if the threaded drainage pipe is not desired. See the table for the appropriate OD.



PROPOSITION 65 WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

INSTALLER: California law requires that this warning be given to the consumer.