INSTALLATION INFORMATION AND INSTRUCTIONS FOR [GAP-CAP™ MODEL 85] AIR GAP UNIT

Form# 850000 (Sheet 1)
GAP-CAP™ (P/N8500)

Never connect the air gap unit shown (Model 85) and the barb fitting (P/N 8504) to potable water piping and never directly attach these cited items to potable water, water treatment equipment.

1. The figures below depict essentially all of the common standpipe installations for the GAP-CAP™ ***"universal mount™"*** Air Gap unit.
2. The ***"universal mount™"*** design allows the unit to be conveniently mounted at the top of almost all home or commercial drainage standpipes. The unit is intended to be mounted vertically and fully inserted onto the top of the standpipe. Unlike some other units, it inserts well over an inch into or over the standpipe to create a secure mounting - but easily removable if desired assuming it is not glued.
3. The unit is one piece and molded of High Impact Styrene. Normally no gluing is ever necessary; however, if installed on PVC or ABS standpipes you should be able to use a suitable PVC or combination PVC-ABS-Styrene glue to permanently attach the unit to the standpipe, if so desired. [Note: unit intended for use only on dedicated standpipes].
4. Unlike some other air gap units, this design offers many options for connecting the inlet ports including the most economical option of using no inlet fitting. Simply cut the 3/8"O.D. and 5/8"O.D. polyethylene tubing square and fully insert into the appropriate inlet port. (Round the end of the tube if out of round due to cutting). (Ref. Fig.4 installation and tubing should be clamped as depicted).
5. Unlike all other air gap units, this ***"universal mount™"*** design will fit both 1.5" and 2" diameter standpipes and either plastic or metal (either threaded or unthreaded). [Note: Poly tubing of Fig.4 must fit snuggly inside port, and not leak, otherwise use a fitting].
6. A special dual inlet barb elbow with flow straightener can be ordered for installation in the large port which is intended for flows from water softeners and other similar flows. The small inlet port is intended for drip type flows as from an (RO) water system.
7. Often the steel pipes have a weld "seam" protruding inside; however our unit can be rotated so that the "seam" falls into the open area of the lower mounting portion - or one could if so desired cut using a hacksaw and remove a small lengthwise segment of the lower mounting skirt. Also four lengthwise "marker" grooves are provided at the bottom outer skirt. If installing unit on a tight (not properly reamed) metal pipe then use a hacksaw and make 2 or 3 slits in the bottom skirt with slits not more than 3/4" long. Cutting the slits is almost never necessary - just force the unit down until it is fully seated on its ledge and is vertical.
8. The unit is not intended to support the connecting piping. Conversely, all piping whether rigid as in (PVC) or semi flexible as in (Polyethylene) could provide some support for the GAP-CAP™ unit. Good plumbing practice dictates that all piping should be properly and securely clamped. Securing the connecting piping is the most critical where poly tubing is being used and is inserted directly into the inlet ports. In order to be sure the poly tubing remains fully inserted within the ports; use at least two secure fitting tubing clips on each connecting tubing. Preferably the tubing clips should be no more than about 6" to 8" apart and the first clip should be no more than 12" from the large port and not more than 6" to 8" from the small inlet port. Nylon tubing clips and screws are available from us or are available commercially.
9. When properly installed the GAP-CAP™ ***"universal mount™"*** unit will rest upright and fully seated on its outer ledge or its interior stops, and the connecting piping will add very little weight and no bending or tilting force at the inlet ports.
10. The small "push in" elbow depicted in Fig.2 can be rotated well over 180 degrees and the large dual barb elbow over 360 degrees. In Fig.3 elbow will rotate well over 180 degrees. The unit housing can be rotated as desired during installation.
11. The top vent openings also enable limited visual observation of unit performance.
12. At barb style ports as in Fig.2 we suggest using a suitable clamp over tubing to assure no leakage.
13. Fig.4 shows the basic GAP-CAP™ unit. Figs. 1,2,3 illustrate usage of various purchased fittings.
14. P/N(8504) elbow included at no charge.
15. Refer to current price sheet for the o-ring plus screws and nylon loop clamps shown in Fig.4.

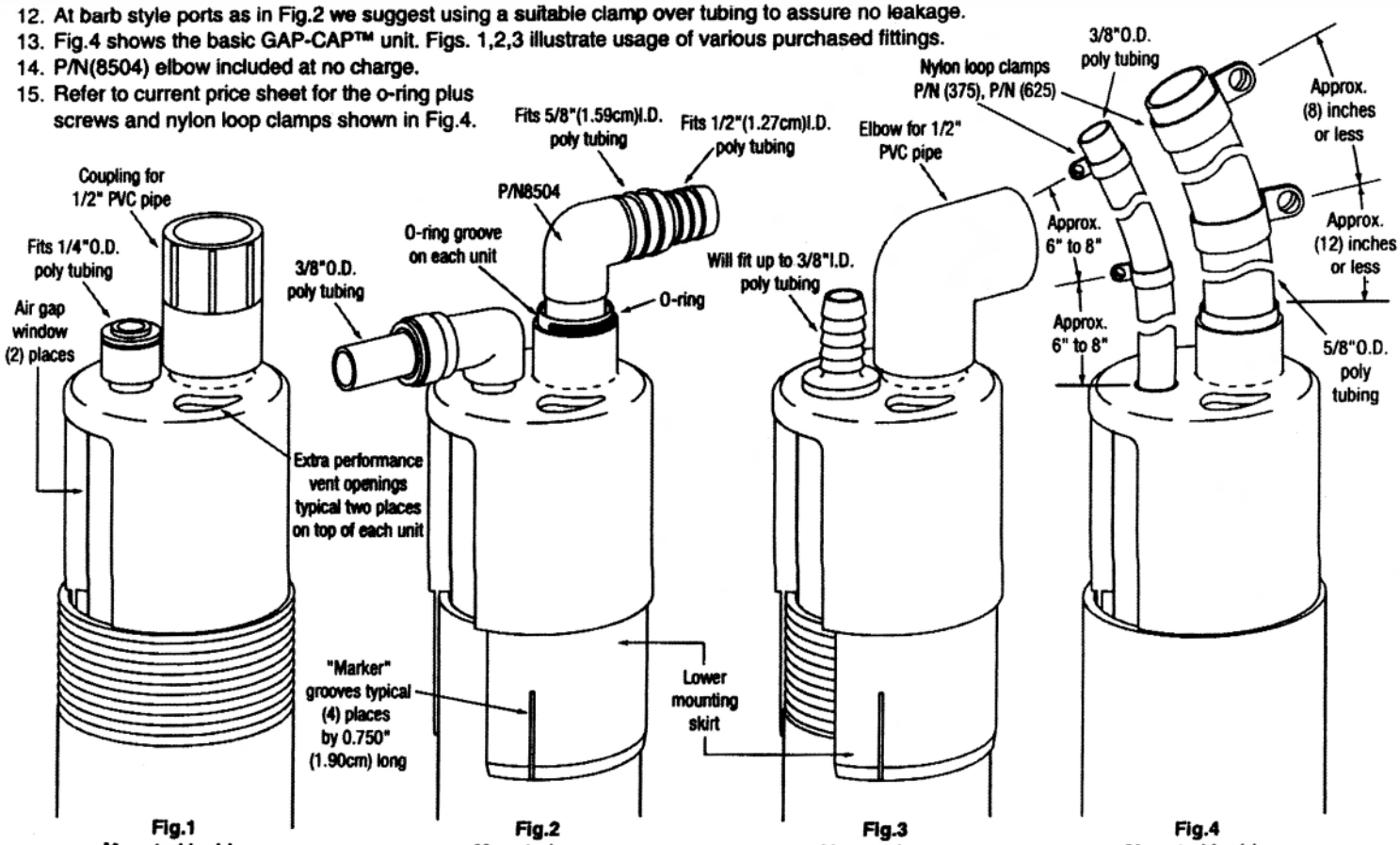

Fig.1 Mounted inside 2" diameter steel standpipe

Fig.2 Mounted over 1.5" diameter PVC or ABS standpipe

Fig.3 Mounted over 1.5" diameter steel standpipe

Fig.4 Mounted inside 2" diameter PVC or ABS standpipe

[Fittings shown above are for illustration purposes and are commercially available].
(Refer to backside of sheet for more information and data)