

EQUALIZER

Installation Procedures

Mounting:

1. Use a 3/16" Allen Wrench to remove the four (4) Socket Head Cap Screws that hold the Diffuser Assembly to the Mounting Bracket.
2. Select the correct Elbow Fitting(s) for your application from the following:
Small I.D.* = Internal Discharge Fitting for AS15, AS30.
(Install screen onto orifice tube after fitting is installed)
Medium I.D.** = Internal Discharge Fitting for AS60, AS120, AS180, AS240 & PZM55
Large I.D.*** = Internal Discharge Fitting for SS3000
Note: The 1/2" npt x 3/4" hose barb is the External Discharge Fitting
3. Hand tighten the Internal Elbow(s) into the 1/2" npt Interior Bulkhead Fitting(s) using pipe sealant (avoid getting sealant inside hole).
4. Position the orifice at twelve-o'clock.
5. Level the Mounting Bracket horizontally against a support structure (i.e. wall) so that the top of the Mounting Bracket is at a height of **no less than 23 inches** above the Inlet Fitting on your Oil/Water Separator(s).
6. Using the Mounting Bracket as a template, mark the location of the four- (4) mounting holes on your support structure.
7. Drill holes in the structure to accept your fasteners and firmly fasten assembly to the support structure (minimum 3/8" recommended).
8. Install External Discharge Elbow(s) with pipe sealant, so that orifice is pointing down.

Priming Procedure:

1. Position a bucket below the unit to catch the priming water.
2. Prime unit by slowly adding tap water through the top of the holding tank until water exits through the 3/4" Hose External Discharge Elbow(s) into the bucket.
3. Vertically position a level against the front of the Vessel and use a 1/2" wrench to turn the Hex Head on the Leveling Bolt until vertical level is achieved.
4. When using more than one External Discharge Elbow, use a finger to plug the 3/4" Hose Barb connection(s) while adding a quart of water.
5. Remove the plug(s) and watch the stream as it exits through the 3/4" Exterior Hose Barb(s). Each stream of water should break at the same time or as close as possible. Ignore the residual drippage.
6. Should a port discharge a stream of water longer than the others, adjust the orifice levels, as follows. Rotate the interior discharge elbow(s) downward whose stream stopped first. Do this in small increments.
7. Repeat steps 4 through 6 until the flow stream from each Discharge Port equalizes.
8. The *EQUALIZER* is now properly adjusted for condensate service.

System Assembly:

1. Reassemble the Diffuser Assembly onto the top of the Mounting Bracket.
2. Attach drain lines from the condensate drains to the (3) 1/2" NPT Diffuser Inlet Ports.
Note: If possible, connect the timer drains to one inlet and, the level drains to the other
3. Using hose clamps, firmly fasten a 3/4" I.D. hose to the Hose Barb(s) on the External Discharge Elbow(s) and run to the inlet of the OWS in a sloping manner.
4. Do not allow hose to droop where water pockets can accumulate.

* Maximum flow capability of 10 gph

** Maximum flow capability of 30 gph

*** Maximum flow capability of 115 gph

Consult factory for orifice sizing assistance with other brands of equipment

Manufactured by

AIR SYSTEM PRODUCTS, LLC. - LANCASTER, NY 14086 - (716) 683-0435 - www.airsyspro.com