

RESTRICT FLOW

Anti-Cavitate Orifice Plate™ Specification Sheet

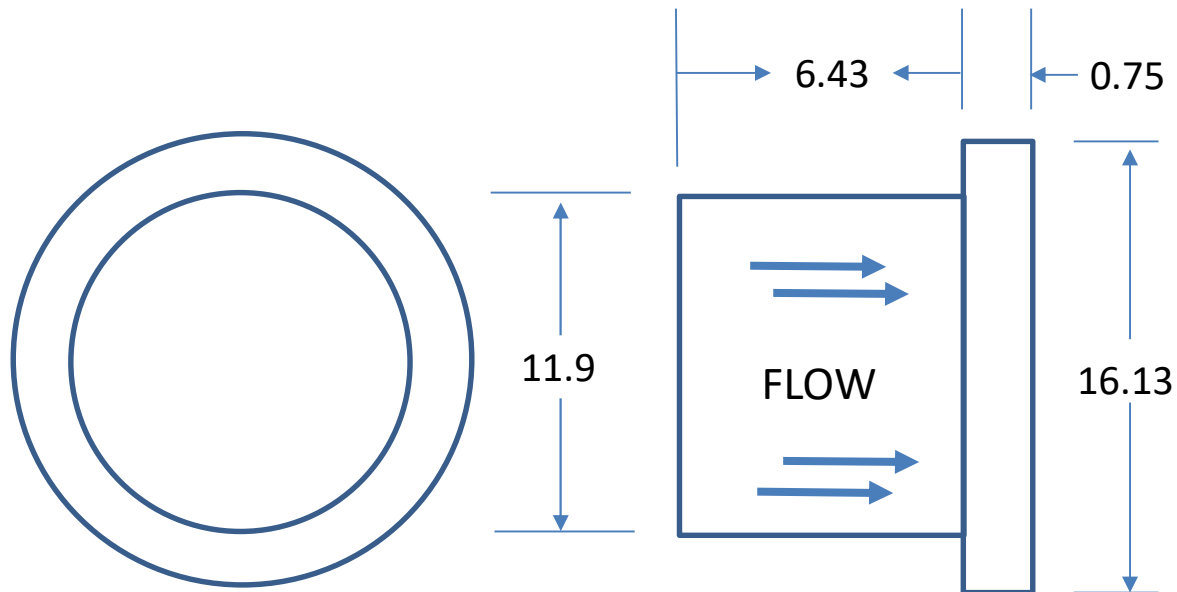
RestrictFlow.com

Restriction Orifice Model: RO-200 Series

***Each Anti-Cavitate flow element is specifically designed per flow condition:**

1. Design Data for Anti Cavitate Flow Restrictor Design
 - a. Fluid: Water
 - b. Flow Rate - GPM 3590
 - c. Pressure in: 112 psig
 - d. Pressure out: 2.1 PSIG
 - e. Temperature of Fluid: 60F
 - f. Pipe: 12"nom, sched 12.39 ID"
 - g. Flange rating: 125# (AWWA C115)
 - h. Material: 316 SS

The Anti-Cavitate Flow Element with conditions above will fit **within the following envelope:**



*Actual Element is not displayed

The above item will be placed between two Flanges with gaskets (not provided). The flanges will have to be separated approximately 8 inches in order to be installed, otherwise a pipe spool may be used to facilitate installation by holding the flow element in place and then sliding the pipe spool in for fit up.



Anti Cavitate Orifice Plate 12”

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12”V1, 04/01/26

- Single Stage, 3 dimensional design for each flow condition
 - Alters fluid flow to eliminate the destructive effects of cavitation.

 - Markings and ID added to a welded handle per customer requirements.

***NO MORE MULTI-STAGE**

Our proprietary anti-cavitate orifice plate removes the need for multi-stage orifice plates. Multi-stage plates are often needed because the pressure reduction ratio is too high for a single orifice plate. One of our orifice plates has the ability to achieve the desired pressure drop while eliminating the need for multiple plates.

***ELIMINATE CAVITATION DAMAGE**

Cavitation causes significant damage to equipment, increasing the need for replacements and maintenance. Erosion and corrosion can cause plates to lose strength and ability to perform in a consistent manner. Our anti-cavitate orifice plate restricts flow while combating cavitation, decreasing the need for future replacements of the plates and the equipment.