

TPI Omniflux Inlet Installation Manual



Both the housing and the movable plate of this type of inlet valve are manufactured out of high-quality polyurethane. Q-Ion seals are placed around the outside of the housing. Therefore this inlet valve is perfect for use at extremely low temperatures. The four wing shaped louvers can be positioned independently to guide air in any desired direction. The polyurethane plate slides along a guide rail using specially developed gliders which prevent it from sticking. The movable plate can be removed without having to adjust the position of the louvers. This unique feature makes installation and cleaning easier. The Omniflux has been developed to direct the airflow independently from the required capacity. This means that this inlet valve is very suitable for use in houses with obstacles or in very wide houses.

General Information

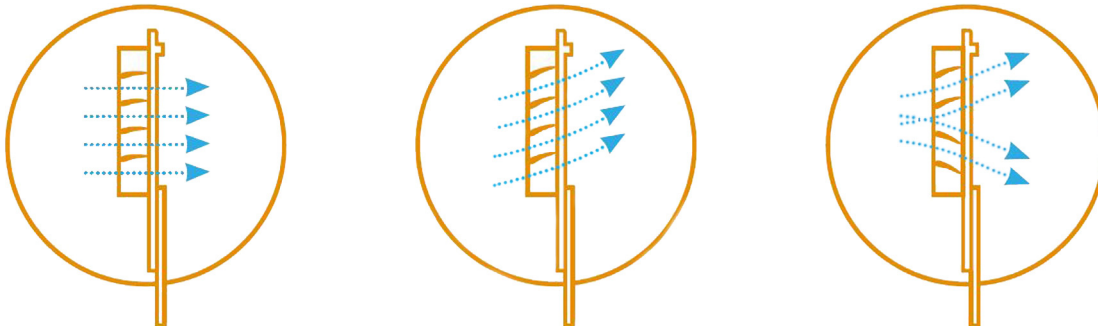
Capacity

Capacity in CFM at a static pressure of inch H ₂ O without Screen			
Louver Position	.04	.08	.16
Horizontal	1883	2619	3767
30° in one direction	1324	1883	2648
30° in two directions	1265	1766	2530

Operation Information

Door Travel	16.5" [42 cm]
Force to lift Plate	6.6 lbs [29.5 Newtons]

Airflow



Installation

Do's and Dont's

Make sure to mount inlets on a flat wall surface.

A flat wall surface ensures optimal performance and, therefore, air leakage will be reduced to a minimum. For optimal functioning, ensure to caulk all the sides of the inlet with a silicon sealant.

Do not use foams or fillers to fill space in between the inlet and the wall.

Foams and fillers might cause damage to the inlet or cause it to jam as they have different expansion values due to temperature differences. When in doubt, please ask your supplier for additional information.

For the set-up, connect the inlet to the main cable in closed position.

Ensure the inlet is closed when connecting it to the main cable, as this will ensure that all of the inlets are connected in the same way and fewer adjustments are needed to optimize the set-up.

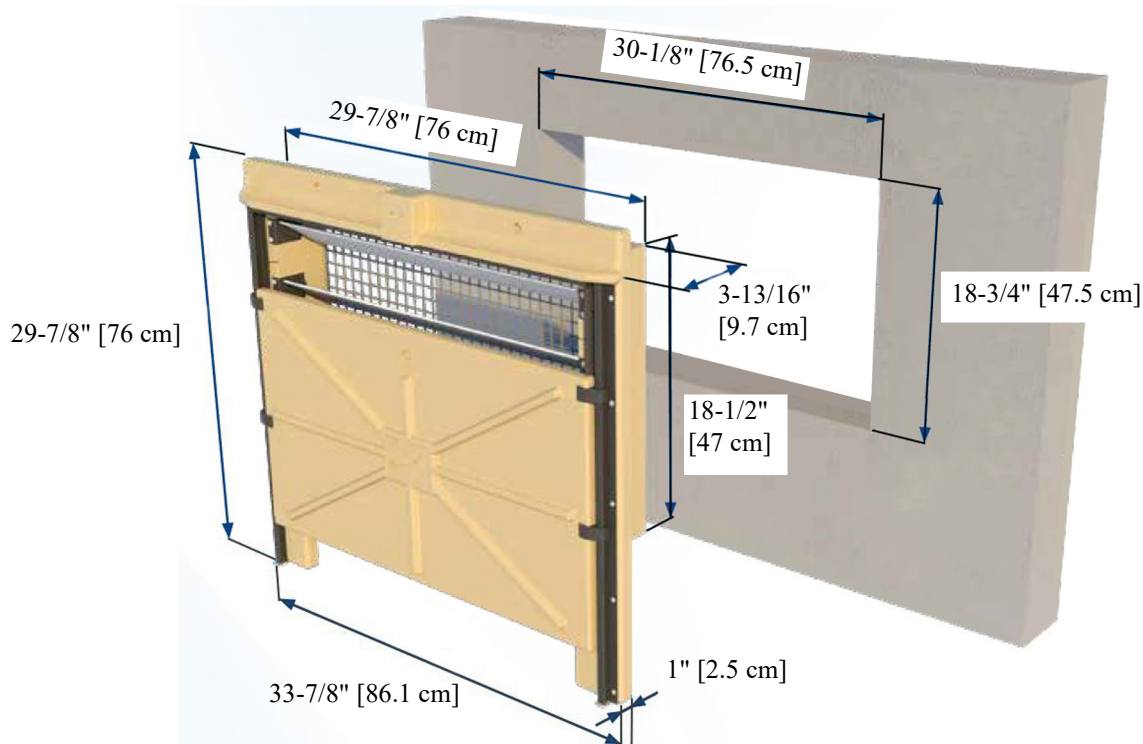
Use screws with washers for mounting the inlets into the wall and be careful with the polyurethane skin.

With the use of washers for mounting the inlets into the wall, you can prevent the screw from sinking into the flange or skin of the inlet. The outer skin of the polyurethane is hard, but the force exerted on the screws during installation might penetrate the skin.

Cleaning

Pay close attention while cleaning the inlets, avoid using corrosive cleaning solutions that might harm the polyurethane. Also make sure not to use too much pressure with the pressure washers as it might damage the skin of the inlets. Use max. 1740 PSI at a minimal distance of 4" and temperatures not exceeding 120 F.

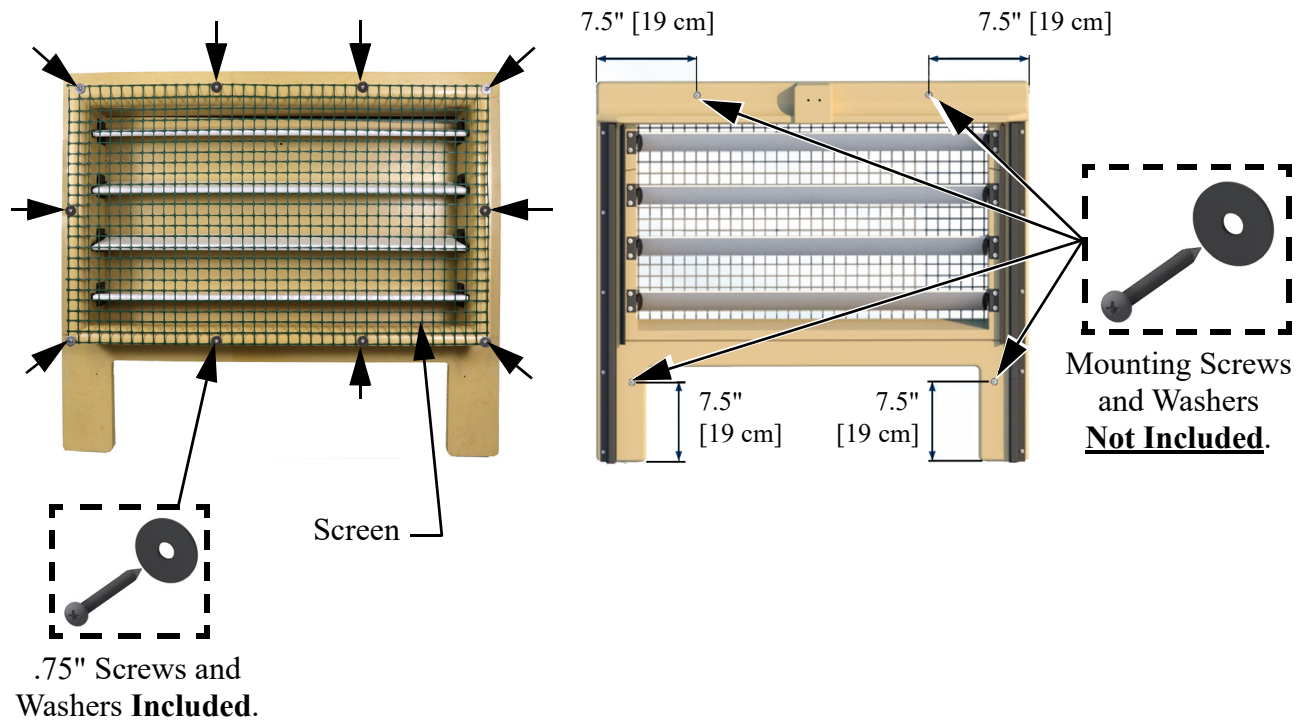
Framing



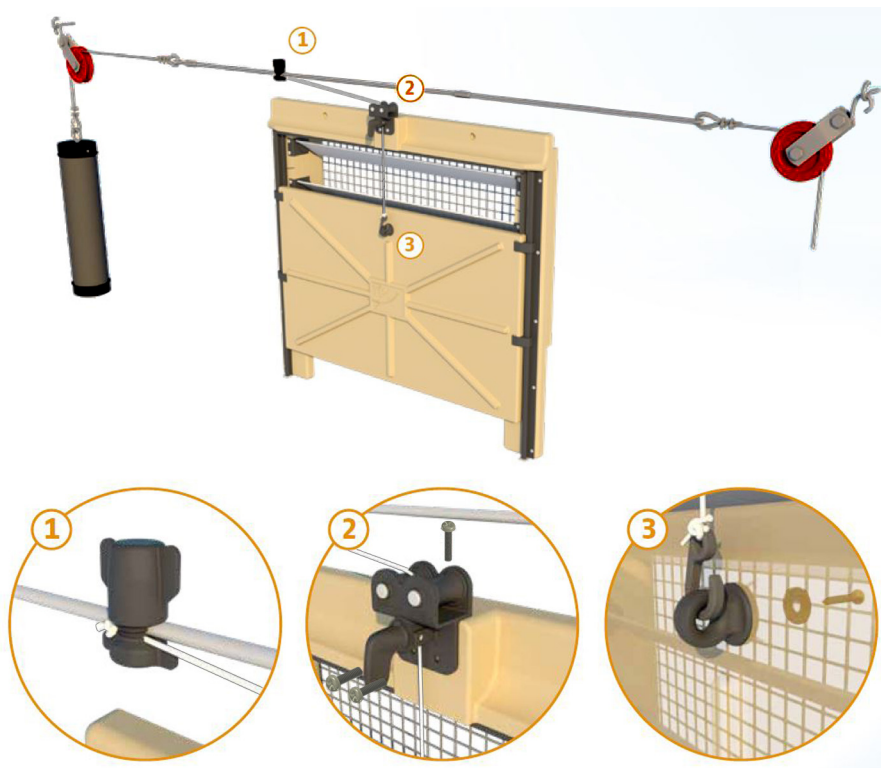
Installing Screen/Mounting

Attach Screen to inlet with ten .75" long Screws and ten Washers **included**.

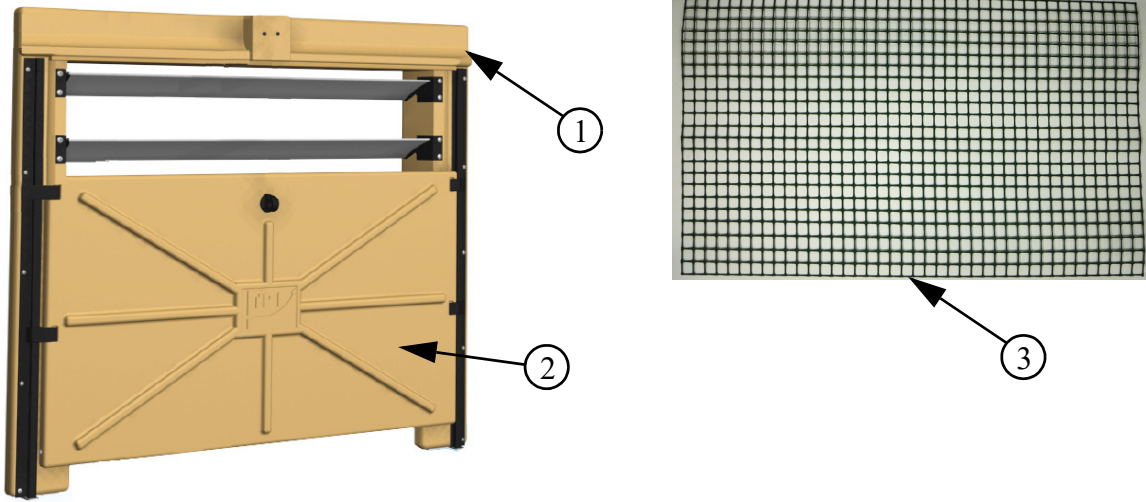
Attach The Inlet to the Wall with Screws and Washers as shown below. It is **important** to use washers to prevent the screw from sinking into the flange or skin of the inlet. The outer skin of the polyurethane is hard, but the force exerted on the screws during installation might penetrate the skin.



Assembly



Part Numbers



Item	Description	Part No.
1	Inlet Housing	56429
2	Inlet Door	56430
3	Inlet Screen	56431
4*	Connection Set	56432

*Includes hardware and other items required for installation

**MADE TO WORK.
BUILT TO LAST.®**

Revisions to this Manual

Page No.	Description of Change	ECO
	Various Changes Released as version "B"	34388

Chore-Time Group, A division of CTB, Inc.
 PO Box 2000
 Milford, Indiana 46542-2000 USA
 Phone (574) 658-4101 Fax (877) 730-8825
 Email: choretime@choretime.com
 Internet: www.choretime.com