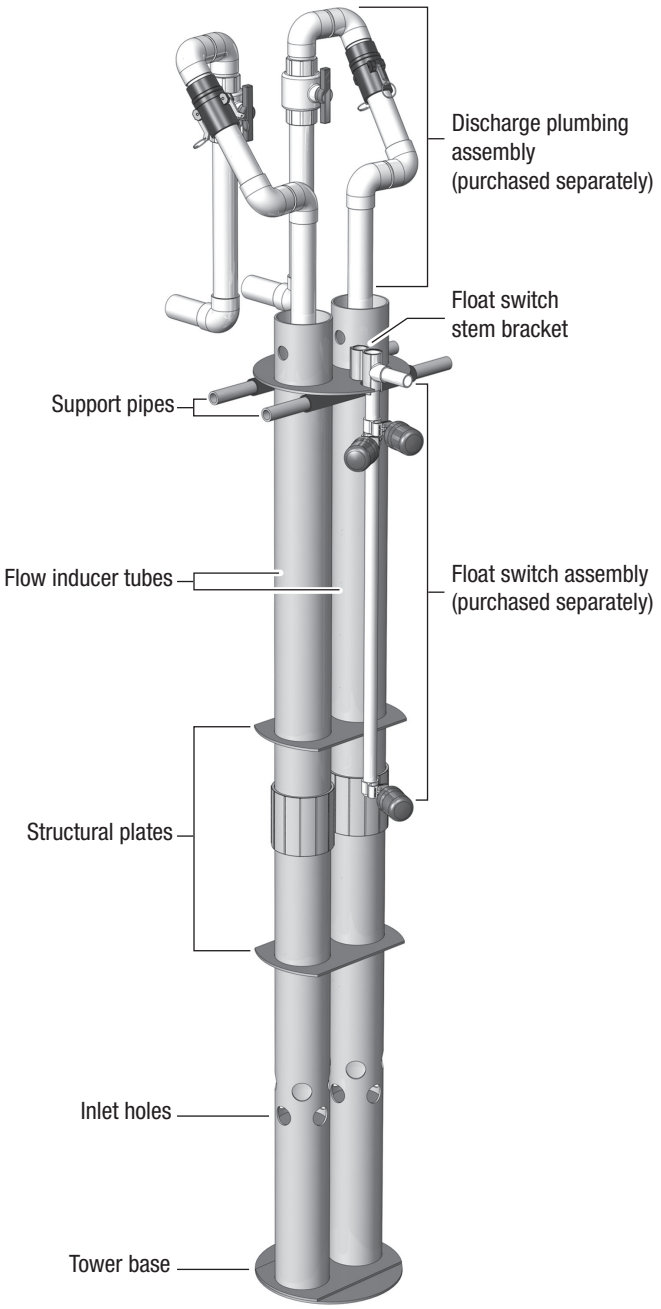
Flow Inducer Towers

Applications

Orenco's Flow Inducer Towers are designed for use in commercial/ municipal recirculation and final discharge tanks following secondary treatment, where filtration is not required. Flow inducer towers can be ordered to house from two to five of Orenco's 4in Submersible Effluent Pumps.



Orenco Flow Inducer Tower (duplex model shown)

General

The base of the flow inducer tower rests on the bottom of the tank and the top of the tower extends at least eight inches into the riser. For tanks with curved bottoms, an Orenco Vault Basin (VB1806-FRP) is necessary to create a flat surface on which the tower can rest. The pumps sit on raised fiberglass platforms inside of the 5in (127mm) diameter Class 125 flow inducer tubes.

A float switch bracket is attached to the tower to accommodate an Orenco Float Switch Assembly.

Standard Models

Recirculation Tank Models

FITR-D102, FITR-T102, FITR-D126, FITR-T126

Discharge Tank Models

FITD-D102, FITD-D126

Product Code Diagram

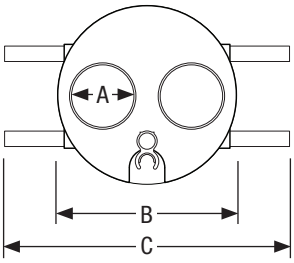
FIT ☐ - ☐ ☐

- Height, in (mm):
  - 102 = 102 (2590)
  - 126 = 126 (3200)
  - Or specify custom size
- Flow inducers:
  - D = duplex (houses two pumps)
  - T = triplex (houses three pumps)
  - Q = quad (houses four pumps)
  - P = pentad (houses five pumps)
- Tank type:
  - R = recirculation tank
  - D = discharge tank
- Flow Inducer Tower

Not all product code configurations may be available as standard products.

Materials of Construction

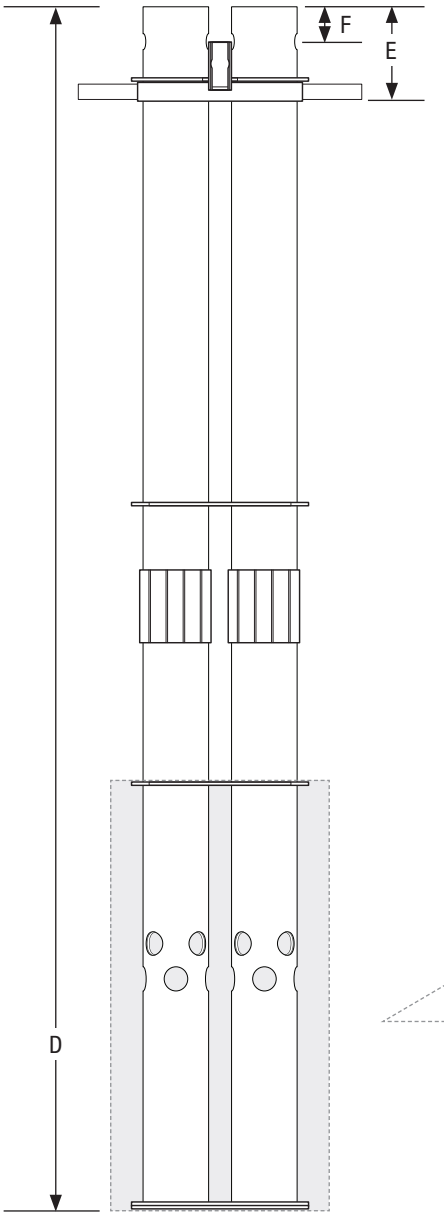
Support pipes	Schedule 80 PVC
Float switch bracket	PVC
Flow inducer tubes	PVC
Structural plates	Fiberglass
Tower base	Fiberglass



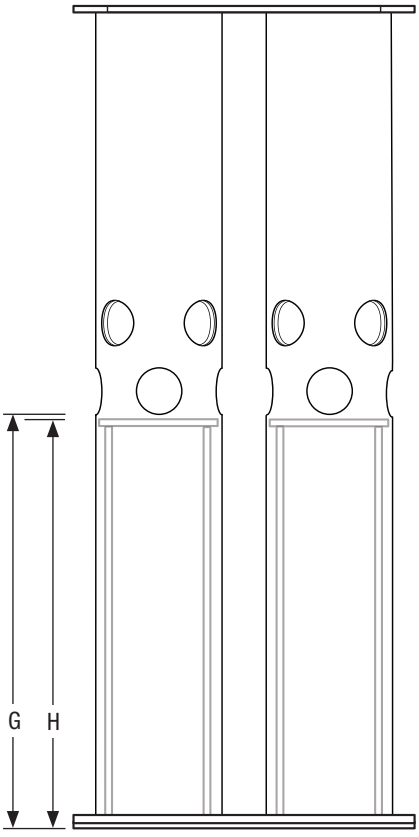
Flow inducer tower
(FITR-D102 shown), top view

Specifications

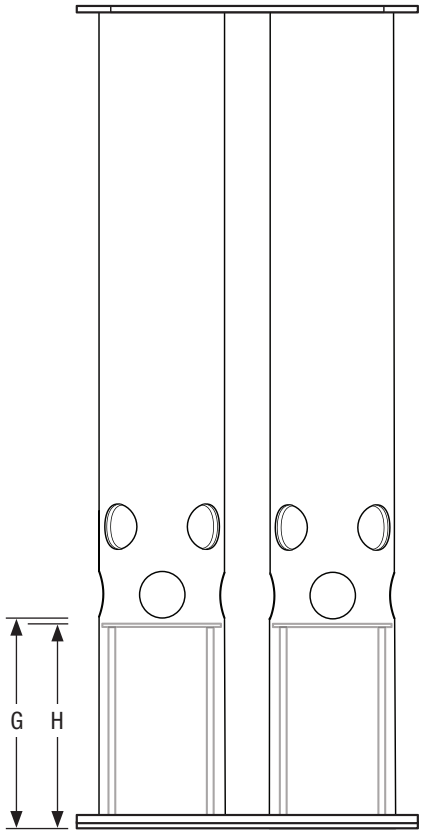
Tank Example Models		FITR-D102	FITR-T126	FITD-D102
A	Tube diameter, nominal, in (mm)	5 (125)	5 (125)	5 (125)
B	Structural plate diameter, in (mm)	15 (381)	15 (381)	15 (381)
C	Support pipe length, in (mm)	24 (610)	24 (610)	24 (610)
D	Tower height, in (mm)	102 (2591)	126 (3200)	102 (2591)
E	Support pipe height, in (mm)	8 (203)	8 (203)	8 (203)
F	Top of stem bracket, in (mm)	3 (76)	3 (76)	3 (76)
G	Inlet hole height, in (mm)	19.25 (489)	19.25 (489)	9.25 (235)
H	Pump plate height, in (mm)	19 (483)	19 (483)	9 (229)
	Inlet hole diameter, in (mm)	2 (50)	2 (50)	2 (50)
	Number of tubes	2	3	2
	Inlet holes per tube	8	8	8



Flow inducer tower
(FITR-D102 shown), side view



Flow inducer tower for recirculation tanks
(FITR-D102 shown), close up



Flow inducer tower for discharge tanks
(FITD-D102 shown), close up

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