



A United Industries, Inc. Company

# Series TFCL

# Project Specifications

## 192 GPM MAX FLOW RATE 150 PSI WORKING PRESSURE @ 150°F

Model #	Max GPM	Plumbing Connections	Vol Sand Ft <sup>3</sup>	Operating Weight in Lbs.
TFCL-12	20	3/4"	1.5	330
TFCL-20	43	1-1/4"	4.0	800
TFCL-24	65	1-1/2"	5.0	1200
TFCL-30	100	2"	7.0	1800
TFCL-36	141	2-1/2"	10.0	2300
TFCL-42	192	3"	18.0	3500

\*1 Cubic foot of media = 100 lbs.

TOWER-FLO® Series TFCL filter plants shall consist of the following major components: a vertical pressure vessel, valves, facepiping, and control console with **programmable** timer for automatic operation. Filter media shall be shipped with the unit for field installation.

Project: \_\_\_\_\_ Date: \_\_\_\_\_

The TOWER-FLO® Series TFCL Model being specified for this project is a TFCL-\_\_\_\_\_ with a maximum filter rate of \_\_\_\_\_ GPM. \_\_\_\_\_ unit(s) is(are) specified and each unit shall be equipped with the following components:

### COMPONENT SPECIFICATION

#### VESSEL

- \_\_\_ **Standard:** Carbon steel; 15-18 mil epoxy interior coating; exterior coating of high-grade industrial enamel; 150 psi working pressure at 150° F; access through top head opening; threaded influent and effluent; air release coupling in top head with automatic air release valve; type 304 stainless steel internals.
- \_\_\_ **Option:** Type 304 stainless steel vessel.
- \_\_\_ **Option:** Working pressures to 300 psi.
- \_\_\_ **Option:** Working temperatures to 300°F.

#### VALVE

- \_\_\_ **Standard:** Automatic, diaphragm type, cast iron bodied, pilot control valves actuated by electronic solenoids.
- \_\_\_ **Option:** Bronze ball valves with electric actuation.
- \_\_\_ **Option:** Stainless steel ball valves with electric actuation.

#### FACEPIPING

- \_\_\_ **Standard:** Class 150 malleable iron fittings; influent pressure gauge, backwash sight glass.

#### CONTROLS

- \_\_\_ **Standard:** Automatic backwash operation; control panel with: NEMA 3R enclosure; seven day **programmable** timer with an LCD time display; minimum 14 daily on/off operations poles; 15A at 125 VAC, 60 Hz.
- \_\_\_ **Option:** Manual backwash operation.

#### MEDIA

- \_\_\_ **Standard:** Quartzite or silica in nature, hard, not smooth, uniformity coefficient of 1.7, relative size of .45 to .55 mm, containing no more than 5% flat particles or more than 1% clay, loam dust, or other foreign material. Media weighs 100 lbs per cubic foot.

**NOTE:** Standard connection for pilot pressure to the diaphragm valves is to the municipal water supply used for backwashing. If system pressure is greater than municipal supply pressure at the point of installation, the system will not operate properly. In installations where system pressure is greater than municipal pressure, make the pilot connection to system water.



Member  
Cooling Tower Institute  
NSF Listed  
  
Form TFCL-PSPC:8/04

Data presented here is the best available at the time of publication. United Industries and/or its representatives assume no liability for its use.