

# TurboFlo\* DI Vessels



**Figure 1: TurboFlo DI Vessel**

Reduce operating costs by standardizing on one Service DI vessel. TurboFlo\* DI Vessels (Figure 1) become the clear choice when one considers the added costs associated with handling multiple Service DI vessels.

Each vessel is manufactured from high quality carbon steel and is lined with white food grade rubber and electroplated 316L stainless steel internals (not

PVC). This superior quality eliminates corrosion and reduces TOC and ionic leakage, delivering many years of ultra-reliable, high-purity service.

The GE TurboFlo DI Vessel can be easily incorporated into virtually any system for temporary or emergency service (see Figure 2). As an example of each vessel's versatility, TurboFlos are often called upon to provide customers with additional silica reduction during seasonal fluctuations or changes in municipal water quality to prevent fouling of their RO membranes. This is just one of many tools that GE utilizes to save customers money and reduce their capital expenditures.



**Figure 2: TurboFlo Delivery Vehicle**

The GE TurboFlo DI Vessel provides a seamless integration of products to meet a variety of filtration and deionization needs.

TurboFlo DI Vessels can be rented, purchased or leased directly from GE. Contact GE for further information on how the TurboFlo DI Vessel can be utilized.

GE provides clear solutions for demanding industrial applications that require consistent water quality and performance.



Find a contact near you by visiting [www.gewater.com](http://www.gewater.com) and clicking on "Contact Us".

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## Benefits

- Reduce regenerate delivery and storage
- Eliminate on-site regenerations
- Ideal for zero-discharge
- Improve safety records reducing chemicals
- Engineered for UPW
- Provides high quality and low TOC throws
- Consolidation of vessels
- Quick exchanges

## Typical Applications

- Mixed Bed Polisher
- Separate Anion/Cation beds
- Activated Carbon
- Softeners
- Emergency Service

## Contact Us

For more information on TurboFlo DI Vessels contact us at 1-800-446-8004, visit our website or contact your GE representative.

Note: Product line manufactured by GE Mobile Water, Inc, 5900 Silver Creek Valley Rd, San Jose, CA 95138.

**Table 1: Specifications**

| Design Data                                    |  |
|--|--|
| Minimum Flow                                   | 25 gpm (5.7 m <sup>3</sup> /h)   |
| Peak Flow                                      | 250 gpm (57 m <sup>3</sup> /h)   |
| Minimum Pressure Drop                          | 1.2 psi (8.3 kPa)  |
| Peak Pressure Drop                             | 25 psi (172 kPa)   |
| Operating Temperature                          | 34-120 °F (1-49 °C)  |
| Minimum Inlet pressure                         | 15-90 psi (103-620 kPa)  |
| Volume   | 42 ft <sup>3</sup> (1.2 m <sup>3</sup> )   |
| Materials of Construction                      |  |
| Tank Exterior                                  | 150 psi (1034 kPa)<br>ASME coded carbon steel  |
| Tank Interior                                  | 3/16" thick rubber lined   |
| Media  | Mixed bed ion exchange resin,<br>separate cation or anion resin,<br>and activated carbon |
| Installation and Utility Requirements          |  |
| Vessel Dimensions                              | 54" L x 42" W x 91.5" H  |
| Inlet/ Outlet                                  | 3" (8 cm) camlock disconnect   |
| Shipping Weight Estimate                       | 4200 lb (1905 kg)  |
| Operating Weight Estimate                      | 5000 lb (2268 kg)  |
| Features Included                              |  |
| Forklift ports                                 |  |
| Sight glass at media height for inspection     |  |
| FDA approved rubber lining and electropolished |  |
| 316 stainless steel headers and laterals       |  |