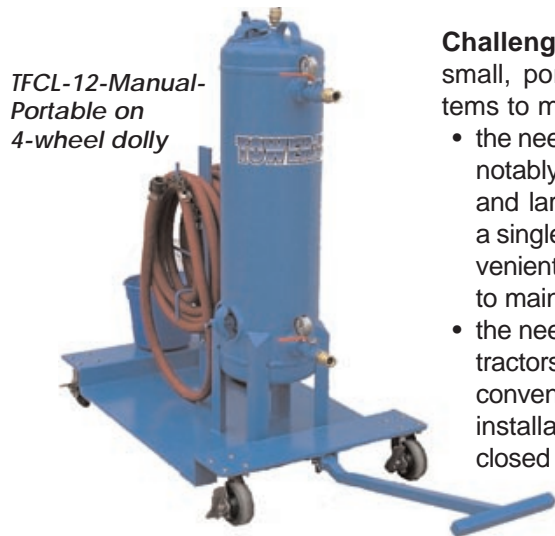


Tower-Flo's *Series TFCL* filters are frequently customized to meet specific needs:



TFCL-12-Manual-Portable on 4-wheel dolly

Challenge: Engineer and fabricate small, portable closed loop filter systems to meet:

- the need of certain customers – most notably school districts, hospitals, and large industrial complexes – for a single filter system that can be conveniently moved on a regular rotation to maintain multiple closed loops; or
- the need of service companies / contractors for a filter system that can be conveniently moved for temporary installation on various customers' closed loop cooling system(s).



TFCL-12-Automatic-Portable-HITEMP filter system for 250°F water with "positive isolation" valve arrangement and custom control sequence with "cool down" cycle timer.

Solution: TFCL-12 or TFCL-20 filters mounted on two-wheel hand trucks or four wheel dollies, equipped for automatic or manual operation (automatic systems have a pigtail plug-in for 120V power supply to the control panel), and supplied with:

- male-end quick couplings on each of the filter's valve connections;
- male-end quick couplings to be field installed for influent and effluent connections on the closed loop and backwash supply from city water (isolation valves, not included);
- lengths of high pressure hose with female-end quick couplings on each end, quantity matched to the specific design;

Challenge: Engineer and fabricate closed loop filter systems to meet:

- operating pressure and/or temperature extremes;
- operating pressure and/or temperature extremes with portability;
- installation circumstances that require a pump.

Solutions:

- vessels fabricated to 300 psi maximum operating pressure;
- vessel internal coating options to 250° F constant immersion;
- valves arranged for "positive isolation" between the closed loop and the municipal water supply (used for backwash) due to pressure differences;
- controls sequence combining "positive isolation" and a "cool down" delay between the closed loop and the municipal water supply (used for backwash) due to temperature differences;
- addition of system match pump and motor controls;
- combine any or all of the above with portability (limited to TFCL-12 & -20).



TFCL-12-Hi Pressure / Hi Temp system with pump