Wessels TTA-Rx-FF vessels are Full-Flow ASME fixed diaphragm type pre-charged expansion tanks with an internal antimicrobial flow through mixing chamber. They are designed to absorb expansion volumes, control pressure, and disrupt stagnant water in potable water heating systems. TTA-Rx-FF vessels feature the industry’s highest acceptance reservoir volume. The system’s expanded water is contained in a fixed heavy-duty butyl bladder that prevents tank corrosion, waterlogging and fights the build-up of pathogens. All TTA-Rx-FF expansion tanks can be installed vertically or horizontally.

**ADVANCED Rx PROTECTION**

- Full-Flow antimicrobial internal disrupts stagnant water and the growth of harmful biofilms and pathogens
- Pressure gauge integrated
- WessView® bladder integrity monitor included
- WessGuard® proximity sensor port adaptable
- Easy-access air valve
- Tamper-resistant secure guard mount
- Designed and fabricated in accordance with ASME Boiler & Pressure vessel code
- Standard design pressure is 150 psi (8.6 bar)
- Available in carbon steel, 304 or 316L stainless steel
- Factory pre-charge pressure set to high 40 psi and field adjustable
- Separation of water and air with bladder
- Higher pressure ratings available
**TYPICAL SPECIFICATION**

Furnish and install, as shown on plans, a __________________ gallon __________________” diameter X __________________” (high) pre-charged steel domestic hot water expansion tank with a fixed FDA heavy-duty butyl diaphragm. The tank is to incorporate a flow through design, eliminating water stagnation potential. The flow through chamber will incorporate silver plated antimicrobial material. The tank shall be equipped with a NPT stainless steel system connection and a 0.302”-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank must be constructed in accordance with most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code, and rated for 150 psi working pressure. Products comply with NSF/ANSI Standard 61.

Each tank shall be Wessels model number TTA-____________-Rx-FF or approved equal.

**UPGRADE TO SMART WESSGUARD® TANK PROTECTION**

Wessels Type TTA-Rx-WG Smart Tanks are ASME fixed bladder type pre-charged, expansion tanks, with patented WessGuard® bladder monitor. They are designed to absorb the expansion forces and control the pressure in heating/cooling systems and come equipped with a uniquely designed capacitive sensor that is sensitive to any movement inside the tank.

The system’s expanded water is contained in a heavy-duty bladder preventing tank corrosion and waterlogging problems. If the bladder extends beyond the normal movement, WessGuard® monitor will activate an audible LED alarm and energy management system to notify maintenance staff of a potential system issue.