HVAC Expansion Tanks

NLA Series

Wessels NLA series ASME Replaceable Bladder Tank For Expansion Pressure Control With WessView and Pressure Gauge Optional: WessGuard Upgrade

APPLICATIONS
Closed-loop
Non-Potable
Hydronic Heating
Hydronic Cooling
Heat Transfer
Water
Glycol

Wessels patented NLA vessels are ASME removable bladder type pre-charged, expansion tanks. They are designed to absorb the expansion volumes and control the pressure in heating/cooling systems. The system’s expanded water (fully compatible with water/glycol mixtures) is contained in a full acceptance heavy-duty butyl bladder that prevents tank corrosion and waterlogging problems. All NLA expansion tanks can be installed vertically or horizontally.

NEXT LEVEL INTELLIGENCE

• 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
• Replaceable heavy-duty butyl bladder (other materials available)
• Standard design pressure is 125 psi (8.6 bar)
• Available in carbon steel, 304 or 316L stainless steel
• Factory pre-charged and field adjustable
• Separation of water and air
• Full flow design compatible
• Higher pressure ratings available
• Wessels Company Patented Design US 8,633,825 B2
Wessels Type NLA-WG Smart Tanks are ASME removable 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 (fully compatible with water/glycol mixtures) 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.