

SINCE 1908
wessels
 company

SUBMITTAL

TXA-FF-SERIES

DOMESTIC HOT WATER
 EXPANSION TANKS

Models: TXA-85-FF TO TXA-800L-FF

Submittal Sheet No. B-1007C Rev. 2 6/17/2020

| | | |
|------------------|--------------------|------------|
| Job Name _____ | Submitted By _____ | Date _____ |
| Location _____ | Approved By _____ | Date _____ |
| _____ | Order No. _____ | Date _____ |
| Engineer _____ | Notes _____ | _____ |
| Contractor _____ | _____ | _____ |
| Sales Rep. _____ | _____ | _____ |

Description:

Wessels patented type TXA-FF tanks are ASME replaceable bladder type pre-charged domestic hot water expansion tanks. They are designed to be installed between a backflow preventer and a hot water heater so it can accept the expanded volume of hot water. The water is contained in a butyl bladder. The TXA-FF design incorporates a unique flow-through design that promotes fluid mixing. Mixing of the fluid inside the bladder tank disrupts stagnant water, preventing growth of potentially harmful bacteria colonies. The water is contained in a heavy-duty butyl bladder, preventing tank corrosion and waterlogging. Products comply with NSF/ANSI Standard 61.

Construction:

Shell: Carbon Steel
 Heads: Carbon Steel
 System Connections: Stainless Steel
 Bladder: Heavy-duty Butyl (FDA Approved)
 Products comply with NSF/ANSI Standard 61

Design Parameters:

Maximum Design Pressure: 150 PSIG*
 Temperature Range: -20°F to 240°F

*200 & 250 PSIG available



| Model Number | Part Number | Tank Volume (Gallons) | Tagging Information | Quantity |
|--------------|-------------|-----------------------|---------------------|----------|
| TXA-85-FF | 20010085 | 23 | | |
| TXA-130-FF | 20010130 | 35 | | |
| TXA-200-FF | 20010200 | 53 | | |
| TXA-300-FF | 20010300 | 79 | | |
| TXA-400-FF | 20010400 | 106 | | |
| TXA-500-FF | 20010500 | 132 | | |
| TXA-600-FF | 20010600 | 158 | | |
| TXA-800L-FF | 20010805 | 211 | | |

Typical Specification

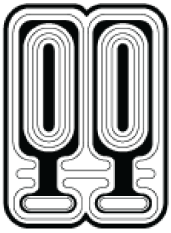
Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel domestic hot water expansion tank with replaceable FDA approved butyl bladder. The tank is to incorporate a flow through design, eliminating water stagnation potential. The tank shall have a bottom NPT stainless steel system connection, a 0.302"-32 charging valve connection (standard fire valve) to facilitate the on-site charging of the tank to meet system requirements, a pressure gauge, and bladder integrity monitor. The tank shall be fitted with lifting rings and a floor mounting skirt for vertical installation. 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 stamped 150 psi working pressure. Products comply with NSF/ANSI Standard 61.

Each tank shall be Wessels model number TXA-_____-FF or approved equal.



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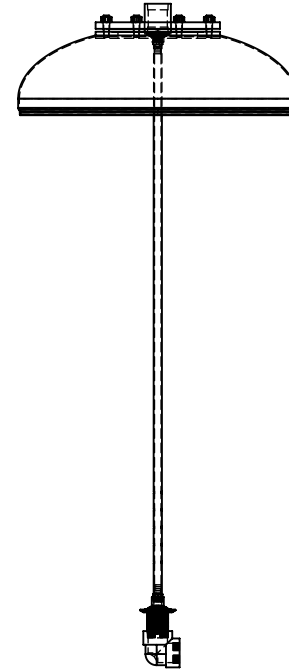
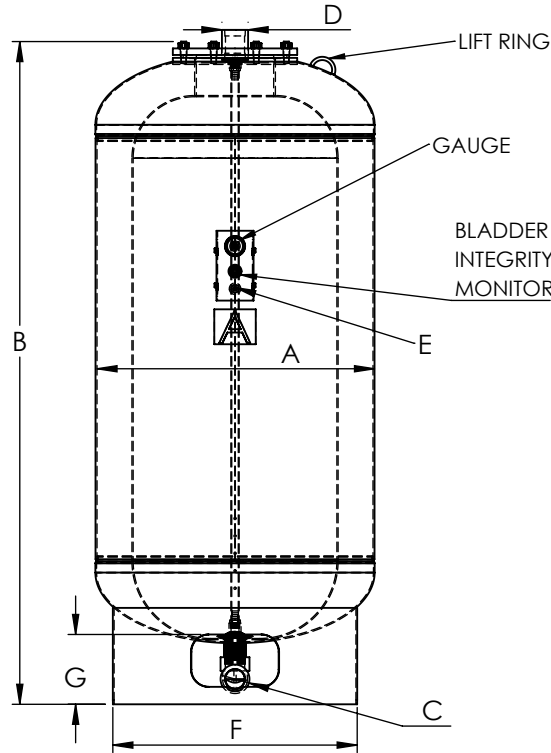
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Full Flow Internal

Dimensions & Weights:

| Model Number | Dimensions in Inches | | | | | | Approx. Shipping Weight (lbs) | | | |
|--------------|----------------------|----|-------------------|-----------|----------------|-------|-------------------------------|-----|-------|-----|
| | A | B | System Connection | | Charging Valve | F | | G | | |
| | | | C | D | E | | | | | |
| TXA-85-FF | 16 | 37 | 1 NPT | 1 NPT | 0.302" - 32NC | 12 | 5 1/2 | 90 | | |
| TXA-130-FF | 20 | | | | | 16 | | 125 | | |
| TXA-200-FF | 24 | 43 | 1 1/2 NPT | 1 1/2 NPT | | 20 | 5 1/4 | 210 | | |
| TXA-300-FF | | 55 | | | | | | 225 | | |
| TXA-400-FF | 30 | 49 | 2 NPT | 2 NPT | | | | 24 | 5 1/4 | 300 |
| TXA-500-FF | | 57 | | | | | | | | 335 |
| TXA-600-FF | 65 | 76 | 2 NPT | 2 NPT | 28 | 5 1/4 | 360 | | | |
| TXA-800L-FF | 32 | | | | | | 475 | | | |

Notes:

- Tanks are factory pre-charged at 40 psig and field adjustable.
- California code-sight glass is available upon request.
- Available with WessGuard® Tank Monitoring System (EMS Compatible), or WessView Tank Integrity Indicator.
- Both top and bottom connections (C and D) access the bladder.
- Bottom connection C is intended to be used for main water supply connection. Top connection D can be used for auxiliary gauge, pressure switch, etc.
- Mounting clips are available upon request.
- U.S. Patent No. 8,633,825 B2.



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