

# WATER HEATER DWXL (DOUBLE WALL COIL WITH VISIBLE LEAK DETECTION)



Double Wall Extra long single coil tanks with visible leak detection are engineered to minimize the chances of cross contamination of your potable water. These tanks are ideally suited for installations that are running glycol or similar products through the heat exchanger that may contaminate your drinking water. DWXL coil tanks should be run on higher boiler temperature to ensure your sufficient supply of hot water. For those requiring larger volumes or running lower temperatures the double coil version would be recommended. The large 1 ¼" diameter coil enables your system to operate with a lower pressure drop. The tank is equipped with a ¾" fitting allowing for a re-circ line or alternately for a Corro-protect powered titanium anode (purchased separately) for those that have problems with Smelly Water) or aggressive water and water quality concerns.

AMI tanks are constructed from heavy gauge 316L Stainless Steel that is further pickled and passivated for superior longevity and corrosion resistance. Leading the way with the best in the industry **2.5" thick "R" value -16.5 H/CFC-free** polyurethane insulation exceeds all code requirements for stand-by losses.

## FEATURES:

- **Extra long** coil for faster recovery rates
- **Double wall leak detection** minimizes cross contamination
- **2.5" Polyurethane Foam Insulation "R" Value 16.5**  
(Eliminates the need for after-market blankets)
- 100% high quality **316L stainless steel** construction
- **Pickled and Passivated** for superior longevity and corrosion resistance.
- High capacity storage for commercial and industrial applications
- Designed for quick and simple installation
- **Powder coated** steel jacket for high quality finish and durability
- Customized tanks available upon request
- Complete package with aquastat, s/steel aquastat well, temp-pressure relief valve and tee drain valve

\*\*drain not supplied with 120gallon tanks

| Overall | 40 DWXL | 60 DWXL | 80 DWXL | 120 DWXL |
|---------|---------|---------|---------|----------|
| V       | 8 ½ "   | 8 ½ "   | 9 ½ "   | 9 ½ "    |
| W       | 23 "    | 23 "    | 25 "    | 29 "     |
| X       | 9 ½ "   | 9 ½ "   | 10¾ "   | 10 ¼ "   |
| Y       | 27 ½ "  | 32 ¼ "  | 33 ¼ "  | 32 ¾ "   |
| Z       | 42 ½ "  | 62 ½ "  | 66 ½ "  | 70 ½ "   |

| CONNECTIONS            | Type    | 40 DWXL | 60 DWXL | 80 DWXL | 120 DWXL |
|------------------------|---------|---------|---------|---------|----------|
| A - Hot water outlet   | nipple  | ¾ "     | ¾ "     | 1 "     | 1 ½ "    |
| B - Cold water inlet   | coupler | ¾ "     | ¾ "     | 1 "     | 1 ¼ "    |
| C - Supply from boiler | nipple  | 1 ¼ "   | 1 ¼ "   | 1 ¼ "   | 1 ¼ "    |
| D - Return to boiler   | nipple  | 1 ¼ "   | 1 ¼ "   | 1 ¼ "   | 1 ¼ "    |
| E - Aquastat           | coupler | ½ "     | ½ "     | ½ "     | ½ "      |
| F - Drain              | coupler | ¾ "     | ¾ "     | ¾ "     | n/a      |
| H - Pressure relief    | coupler | ¾ "     | ¾ "     | ¾ "     | ¾ "      |



**DOUBLE WALL (for leak detection) / EXTRA LONG COIL**

|                 | CAPACITY<br><i>(US Gal)</i> | HEATING SURFACE<br><i>(Sq. ft)</i> | COIL LENGTH<br><i>(Ft)</i> | SHIPPING WEIGHT<br><i>(Lbs)</i> |
|-----------------|-----------------------------|------------------------------------|----------------------------|---------------------------------|
| <b>40 DWXL</b>  | 40                          | 14.4                               | 40                         | 230                             |
| <b>60 DWXL</b>  | 60                          | 14.4                               | 40                         | 280                             |
| <b>80 DWXL</b>  | 80                          | 14.4                               | 40                         | 290                             |
| <b>120 DWXL</b> | 119                         | 14.4                               | 40                         | 370                             |

**LIMITED WARRANTY**

**15 YEARS RESIDENTIAL  
5 YEARS COMMERCIAL**

**MAXIMUM OPERATING PRESSURE**

**SHELL 150 PSI  
COIL 150 PSI**

| Based on 120°F tank water temp. with 70°F temp. rise | Boiler Supply Temp    | 180°F    | 40 DWXL | 60 DWXL | 80 DWXL | 120 DWXL |
|--|-----------------------|----------|---------|---------|---------|----------|
|  | Boiler Output         | Btu/hr   | 112,900 | 112,900 | 112,900 | 112,900  |
|  | 1st Hour Delivery     | USGPH    | 235     | 255     | 275     | 315      |
|  | 2nd Hour Delivery     | USGPH    | 195     | 195     | 195     | 195      |
|  | Pressure drop coil    | ft water | 7       | 7       | 7       | 7        |
|  | GPM for pressure drop | GPM      | 20      | 20      | 20      | 20       |

| Based on 140°F tank water temp. with 90°F temp. rise | Boiler Supply Temp    | 200°F    | 40 DWXL | 60 DWXL | 80 DWXL | 120 DWXL |
|--|-----------------------|----------|---------|---------|---------|----------|
|  | Boiler Output         | Btu/hr   | 123,900 | 123,900 | 123,900 | 123,900  |
|  | 1st Hour Delivery     | USGPH    | 207     | 227     | 247     | 287      |
|  | 2nd Hour Delivery     | USGPH    | 167     | 167     | 167     | 167      |
|  | Pressure drop coil    | ft water | 9       | 9       | 9       | 9        |
|  | GPM for pressure drop | GPM      | 26      | 26      | 26      | 26       |

\* NOTE: Data provided for general indication only.

