



SUBMITTAL : SAN-43SSAQA

43 Gallon Storage Tank



| | |
|------------------|--|
| Job Name : | Location |
| Purchaser | Engineer |
| Submitted to | Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction <input type="checkbox"/> |
| Unit Designation | Schedule # |

| Specifications | SAN-43SSAQA |
|---------------------------------------|--|
| Performance | |
| Uniform Energy Factor | 3.10 |
| Uniform First Hour Rating | 69 Gallons |
| Design | |
| Nominal Water Storage Volume | 43 Gallons |
| Pressure Relief Valve (Psig & °F) | 150 Psig & 210°F |
| Temperature Sensor | Thermistor |
| Tank Weight (lbs) | 88lbs |
| Standby Loss in 67°F Ambient | 313 Btu/h |
| Tank Location & Clearances | |
| Tank Installation location | Indoor Exterior if ambient is always above 35°F |
| Tank Clearance required | 2" around Tank |
| Tank Connection Sizes | |
| Cold Water Inlet | 3/4" NPT |
| Hot Water Outlet | 3/4" NPT |
| Cold Water to Heat Pump | 3/4" NPT |
| Hot Water Return from Heat Pump | 3/4" NPT |
| Press Relief Valve Discharge Line | 3/4" |
| Pipe Size - Tank to Heat Pump | |
| Size | 1/2" & 1/2" |
| Max Pipe Length inc | 66ft |
| Max Vertical Separation of | 23ft |
| Certifications | |
| Safety | ETL & ETLc |
| Performance | Energy Star |
| AHRI Certification reference # | TBA |
| Tank Warranty | |
| Tank | 15 Years Limited Lifetime |

Construction

Storage tank shall be constructed from a blend of 316/444 Stainless Steel pressure tested to 300 psi Tank outer shell shall be steel with a baked on powder coating for protection

Insulation

A minimum of 1 7/8" R12 polystyrene insulation shall be used to insulate the tank to reduce heat loss Insulation shall not contribute to global warming

Connections

All connections shall be 3/4" NPT Female type Brass adaptors will be supplied with tank Cold Water Piping from Storage Tank to Heat Pump and return of Hot Water piping from Heat Pump to Tank be 1/2" Copper or PEX. Reducing nipples shall be field supplied and installed

Controls

The tank shall be supplied with a Temperature sensor installed in a sensor well to control the GS4-45HPC Heat Pump Additional Heat Pump units connected to a tank shall require an individual Temperature sensor Additional Tank Water sensors shall be field installed Control wiring between Tank and Heat Pump model GS4-45HPC shall require a 2 wire 16AWG shielded wire between the Tank and GS4-45HPC Heat Pump

Pressure and Temperature Relief

Tank shall be supplied with valve to be field installed ASME certified Pressure and Temperature Relief valve Settings shall be at 150 Psig for Pressure and 210°F for Temperature

Mixing Valve

A factory supplied, but field installed Mixing or Anti Scald valve shall be supplied with the Tank Valve connections shall be 3/4" Female NPT Valve shall be field set to ensure delivered water temperature shall be below 120°F to prevent scalding



SUBMITTAL : SAN-43SSAQA

43 Gallon Storage Tank



| | |
|------------------|--|
| Job Name | Location |
| Purchaser | Engineer |
| Submitted to | Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction <input type="checkbox"/> |
| Unit Designation | Schedule # |

SAN-43SSAQA Dimensions

