



SPECIAL FURNACE CO INC

20 Kent Road • PO Box 2129 • Aston, PA 19014 • 610.459.9216 • Fax: 610.459.3689 • Web: hotfurnace.com

QTS 124



APPLICATIONS

The QTS 124 quench tank is used for the uniform quenching of hot steels. It may be used with water, light weight polymer, or oil. It is not designed for use with brine. Water or polymer must have rust inhibitors (or else tank must be stainless steel.) The QTS 124 features proper agitation which insures uniform quenching and disperses the bubbles of vaporized quenchant that form on the surface of the hot parts being quenched. These bubbles, if not dispersed, can cause uneven quenching times which would result in a poorly quenched part. The agitation also prevents localized overheating which, in the case of oil quench media, could cause a fire. An optional hinged lid provides a means to extinguish any potential quench oil fires and to keep quench media clean. Casters are included to make the tank easily portable.

FEATURES

HEAVY DUTY DOUBLE WELDED CONSTRUCTION

The tank is made from 10 gauge steel. All seams are welded on both sides.

CASTERS FOR PORTABILITY

Four swivel casters are included. This allows you to move the tank out of the way when not using it.

EPOXY PAINT FURTHER SEALS THE TANKS

A base coat of zinc chromate primer is covered with heavy duty epoxy paint.

DRAIN PIPE

An 1" NPT fitting is welded near the bottom to drain the tank. The pipe is capped.

AGITATOR MOTOR IS EXPLOSION PROOF

The standard agitator motor is an explosion proof motor for use around oil. The motor has a 10 foot cord to plug into a 120 volt single phase electrical outlet.

IMPELLER TYPE AGITATION

An 4" diameter impeller type agitator insures proper agitation of the quench media. The horsepower and impeller of the agitator are generously sized for vigorous agitation. The shaft and impeller are 316 Stainless Steel.

SEPARATE CHAMBER FOR IMPELLER

The agitation impeller is located in a separate area from the working space. This is separated by a perforated screen to prevent damage to the impeller and as a safety precaution. This section has a bolt on cover.

**SMALL PORTABLE
AGITATED QUENCH TANK**

OPTIONS

- **SAFETY LID:** For covering tank in case of fire and also to keep quenchant lean when no in use. The lid has handles on it and comes completely off when not in use.
- **PERFORATED BASKET:** An expanded metal basket has handles for removing the work. Size is 12" by 12" by 24"
- **STAINLESS STEEL:** The QTS 124 is available in 304 stainless steel for use with water without rust inhibitor.

SPECIFICATIONS

- **CAPACITY:** 25 Gallons
- **INTERIOR SIZE OF TANK:** 16" Wide by 16" High by 25" Long
- **WORK DIMENSIONS:** 12" Wide by 12" High by 24" Long
- **EXTERIOR DIMENSIONS:** 18-1/4" Wide by 39-3/4" High by 25-1/4" Long
- **VOLTAGE:** 120/1/60
- **H.P.:** 1/2 H.P.
- **AMPERAGE:** 7.6 Amps

