

INSTALLATION AND START-UP PROCEDURES FOR HYDRAULIC SEPARATORS



NST
NILES
STEEL
TANK
SINCE 1898™

Important Notice

Install the Hydraulic Separator in a location with suitable access to fittings. If an optional manway is present clearance for access should be determined before piping. The owner should adhere to local codes for anchoring tank. The filled tank weight should be considered when selecting an appropriate location for the tank.

This is an unlined carbon steel tank and is intended to be used in a closed loop system.

Installation

The tank should be installed in such a manner, that should the tank or any connections leak, the resulting flow of water will not cause damage.

Check and plug all fittings. If unsure of the number of fittings and their location on the tank, review the approved drawing or contact Niles Steel Tank. ***Tanks are shipped with plastic dust plugs which are not designed to for use.***

This tank should be used completely full of liquid with no trapped air. An air vent is typically installed in the fitting atop the tank or in piping connected to the fitting. Air vents are available from Niles Steel Tank company.

A fitting is provided in the shell of the tank for a relief valve if required by your local codes or jurisdiction. Install a suitable relief valve or fitting before filling. Relief valves are available from Niles Steel Tank company. A fitting is provided for a sensor if needed. Install a suitable sensor or plug before filling the tank.

The tank nor its piping is intended to be used as an electrical ground. Pumps and other electrical devices should be grounded properly. Failure to do this could result in premature failure of the tank and will void the warranty.

A good policy is to monitor the condition of the inside of the tank periodically, so that any deterioration can be caught before a leak occurs.

Manway/ Handhole Installation (Optional)

Manway covers and gaskets are shipped in place so they will not be lost in shipment. The bolts are not tightened. The gasket may shift due to vibration in transit.

The bolts are not tightened completely so that the tank can be opened and cleaned prior to service. Once the manway bolts are fully torqued, the gasket often cannot be reused. For final assembly of the manway, the gasket must cover the surface of the ring 100% and project slightly on each side of the ring. The bolts should be tightened before the tank has pressure, and then re-tightened when the tank is at operating pressure. Only the gasket should be used, do not use glues or materials such as Permatex to assist the gasket seal. These can cause the gasket to creep under pressure, and/or make the cleanup for later installation of a new gasket very difficult. Gaskets are available through Niles Steel Tank.

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