

Instruction Sheet

Suction Diffuser

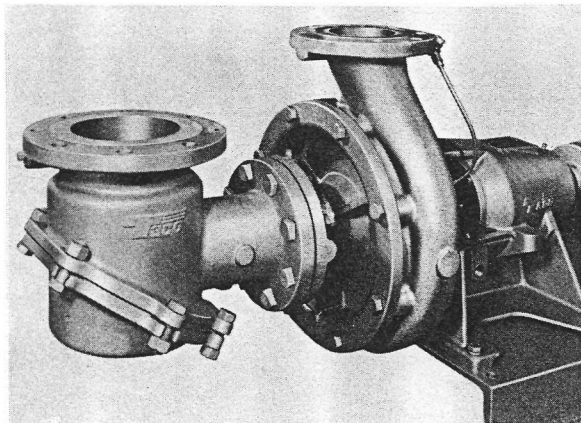
302-005

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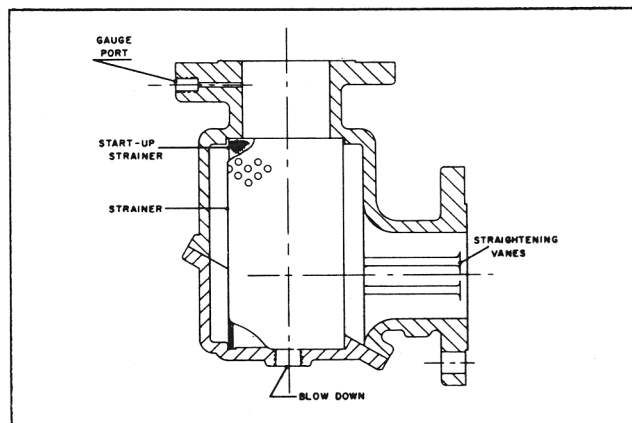
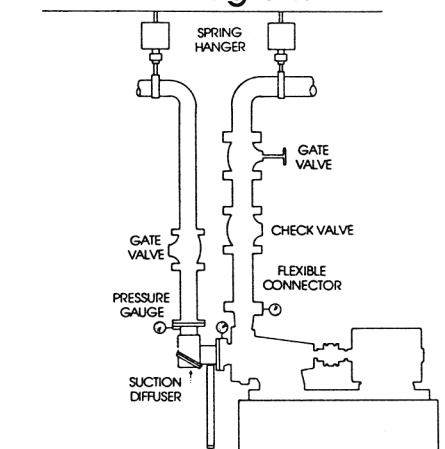
LOCATION & INSTALLATION

1. Locate and install pump per pump manufacturer's instructions.
2. Mount suction diffuser directly to pump suction flange. Pump and suction diffuser flanges should be aligned before connections are made. Piping should NEVER be drawn into place by force.
3. Both suction and discharge piping should be suspended or supported close to the pump so that no pipe weight rests on pump. To support the Suction Diffuser, cut a piece of 1 1/4" pipe without threads to the approximate length required from one of the bosses provided on the pump connection to the adjustable foot nut.
4. Place pipe on nut and under the boss and turn the nut counter-clockwise until sufficient load is supplied to give maximum support.

MOUNTING

1. Suction Diffusers can be mounted in a vertical or horizontal position. Bosses are cast for each position for pipe support.
2. If used in a horizontal position, the pump should be positioned at right angles to the piping. (See piping diagrams)

Vertical Installation Diagram



START-UP STRAINER REMOVAL

1. After 30 days of operation, remove and discard fine mesh start-up strainer and put back coarse mesh strainer.
2. To Remove Strainer:
 - a. Close valves before and after suction diffuser.
 - b. Remove plug in bottom of cover and drain.
 - c. Unbolt strainer cover, then drop strainer and cover.
 - d. Clean strainer and reverse above procedure.

CLEANING

1. It is recommended that valved gauge connections be provided on diffuser inlet and pump suction connections to indicate when cleaning is needed.
2. Note pressure drop when strainer is clean; when the pressure drop increases 100%, remove the strainer and clean.

Horizontal Installation Diagram

