

INSTALLATION, OPERATION, & MAINTENANCE INSTRUCTIONS

MODEL SA PUMP SUCTION DIFFUSERS

The Stayflow Model SA suction diffuser combines a system strainer, a flow straightening device, and a 90 deg elbow into one single unit.

INSTALLATION

1. Install Model SA pump suction diffuser to leave sufficient room to allow removal of screen. See submittal sheet.
2. Support the suction diffuser to prevent strain on the pump case. A support foot (not furnished) shall be made of sufficiently long between the diffuser and the floor.
3. If the pump is mounted on an isolation base, the base should be large enough to include the diffuser's support foot.
4. Install using a criss-cross bolt tightening pattern. Care should be taken not to over tighten the bolts to prevent possible cracks in the casting.
5. A pressure/vacuum gauge may be installed to monitor pump suction pressure.

OPERATION

The mesh "start up" screen should be removed after initial system operation.

MAINTENANCE

Periodic cleaning of the screen is needed to maintain the NPSH and prevent pump cavitation. Take care when removing and replacing cover to prevent damage to o-ring seal. Replacement o-rings are available if needed.



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