



SUCTION DIFFUSER/FLOW DIVERTER INSTALLATION + MAINTENANCE INSTRUCTIONS

FEATURES:

- Reduces both space and installation costs by replacing an extended entry pipe, a long radius elbow and a strainer
- Disposable fine mesh start-up strainer provided on all models, guarantees a clean system
- Steel stabilizing vanes ensure smooth flow into the pump
- Drain/Purge plugs furnished to routinely remove foreign particles and protect pump and other system components
- Optional pressure tap allows monitoring of strainer condition
- Slowdown tapping supplied to protect pump seals from damage by foreign particles

INSTALLATION:

1. Provide for distance "C" (see Suction Diffuser Submittal Data Sheet for illustration and "C" dimension). "C" represents distance necessary for removal of strainer and stabilizing vanes.
2. Mount standard I.D. support leg and foot to pad cast-on body of suction diffuser.
3. After piping and initial circulation are complete, remove fine mesh start-up strainer.
4. If optional pressure tap is provided, a gauge can then be connected to both the pump suction and the Suction Diffuser's schrader valve. An increase in pressure drop will indicate when the strainer may require cleaning.

MAINTENANCE:

It is recommended that the stabilizing vanes be periodically inspected and the permanent strainer be periodically cleaned. This will ensure smooth flow into the pump and avoid damage to the pump components.

TYPICAL SPECIFICATION:

Provide at each pump a Wheatley suction diffuser of size specified in pump schedule. It shall have a cast iron body, cast-in stabilizing vanes and removable stainless steel strainer. The suction diffuser shall be complete with disposable 20 mesh stainless steel start up strainer. Each suction diffuser shall have a provision for pipe support.



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