

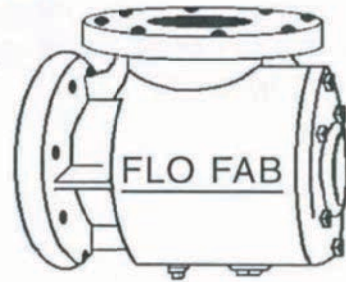


## SUCTION DIFFUSER

### INSTALLATION AND MAINTENANCE INSTRUCTION

#### 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.
- Pressure tap allows monitoring of strainer condition.
- Blowdown tapping supplied complete with magnetic plug to protect pump seals from damage by foreign particles.



#### INSTALLATION:

1. Mount standard I.D. support leg and foot to pad cast-on body of Suction Diffuser.
2. After piping and initial circulation are complete, remove fine mesh start-up strainer.
3. 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.