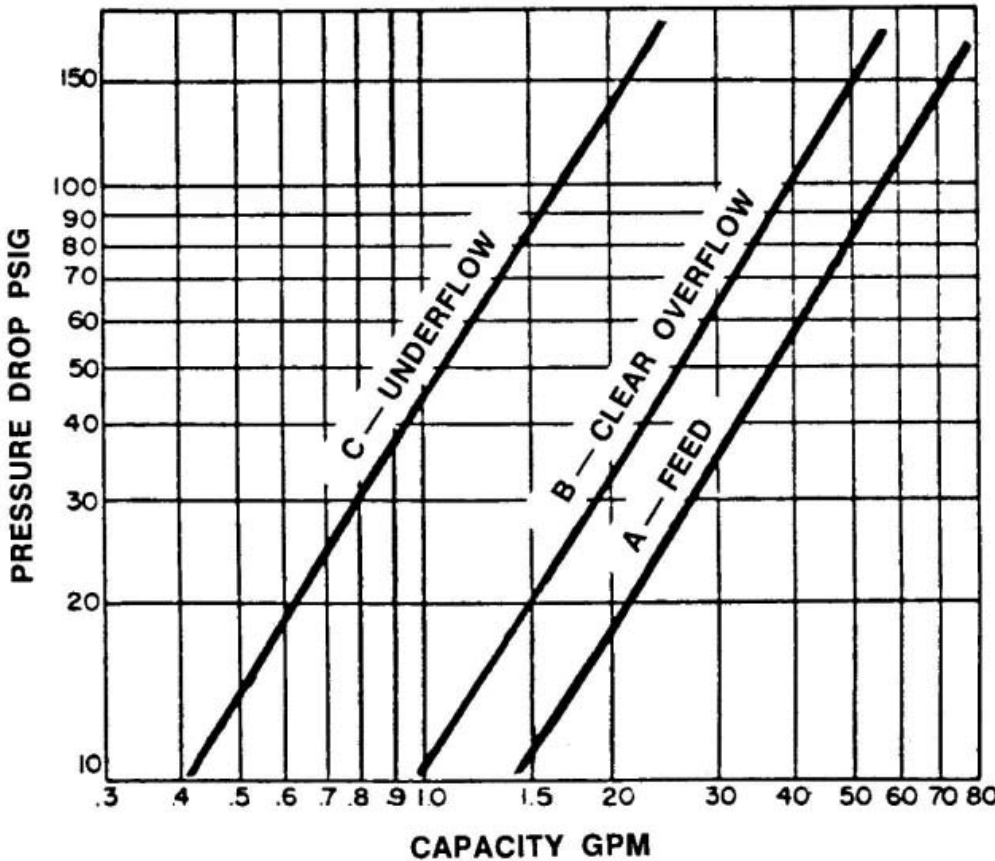


Close Coupled End Suction, Flanged Connection

Operation

The DOXIE Impurity Eliminator removes fine dirt and abrasives from liquid streams where maximum purity is essential. The DOXIE has no moving parts and nothing to repair or replace, since it utilizes high centrifugal force to achieve separation. Feed is introduced tangentially into the cyclone at sufficient pressure to create a high gravity vortex effect. The fine solids are thrown to the walls of the cyclone and pass downward to the underflow outlet for the removal. The polished fluid moves into the vortex, then out the overflow connection. See chart for capacity at various pressure drops.

"A typical DOXIE application is purifying the injection flow to centrifugal pump seals. The pump hook-up is illustrated on page 5. In operation, liquid from the high pressure discharge casing is piped to the feed inlet connection "A". The clean liquid from overflow "B" is injected at the pump shaft. The liquid containing the solids is returned from the underflow connection "C" to the low pressure suction side of the pump. The liquid flow from "C" can be varied to suit the requirements by use of a valve or a similar restriction. The maximum working pressure is 600 psi."



REMOVES PARTICLES IN THE 1-2 MICRON RANGE.

REMOVES 95% OF 10 MICRON PARTICLES. 2.7 SP. GR.

NATURAL FEED SPLIT
OVERFLOW - 70
UNDERFLOW - 30

Close Coupled End Suction, Flanged Connection

