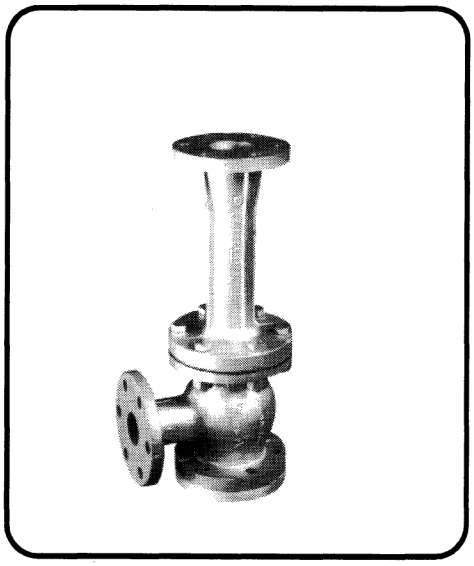
EDUCTORS



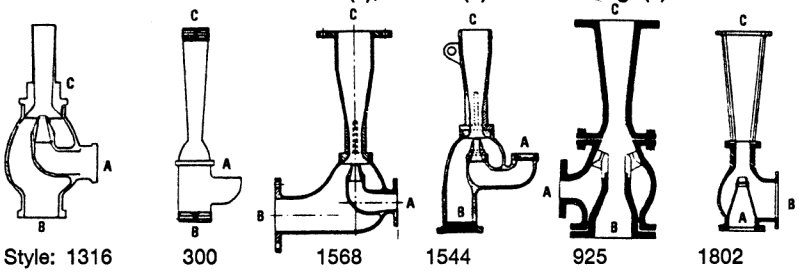
MIL-E-24127

DESIGN DESCRIPTION

Self-priming liquid jet pumps which utilize liquids and liquid/solid mixtures under pressure to create pumping action. In standard eductors the inlet pressure liquid discharges through a single nozzle to start pumping. There are no moving parts to break down or wear out. Available with flanged or threaded connections, for portable use or permanent installation. Used to pump liquids from chain lockers, bilges, cargo holds, tanks, or other similar spaces.

A peripheral jet type eductor utilizes straight-through, unrestricted flow allowing passage of larger suspended solids. Inlet pressure liquid is discharged through a multi-jet nozzle which permits handling of larger volumes of air. Suitable for pumping bilges, stripping ballast, or priming large pumps. Cannot lose suction: every gallon of inlet liquid (sea water) can pump up to 11/2 gallons of suction liquid (bilge water). Diagrams shown on page 75.

Eductors are used to pump tanks, cargo holds, bilges, or lockers dry. Pressure through inlet creates pumping suction from one side and discharge out the other side. Suction/discharge can be straight through or angle arrangement. Available in bronze with flanged or threaded ends. Specify style, size and end connections of inlet(a), suction(b) and discharge(c).



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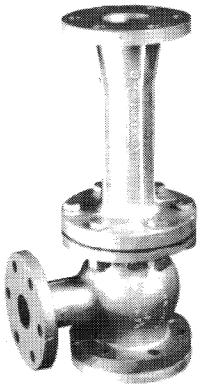

Eductor