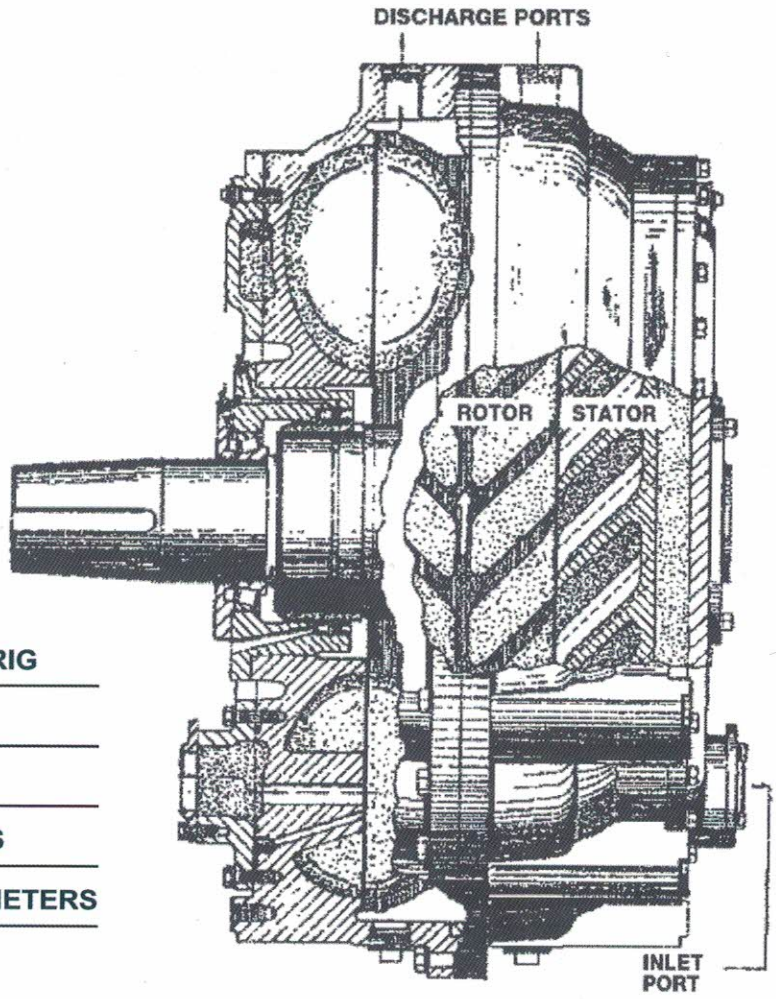
PARMAC HYDROMATIC® HYDROTARDER® BRAKES



APPLICATION :

- ☑ WORKOVER RIG AND DRILLING RIG
- ☑ ANCHOR WINDLASS
- ☑ GAS VAPORIZATION SYSTEM
- ☑ ON AND OFF HIGHWAY VEHICLES
- ☑ CONVEYORS, ENGINE DYNAMOMETERS

GENERAL DESCRIPTION :

The Hydromatic® Brake is a hydrodynamic device that absorbs power by converting mechanical energy into heat in the working fluid. Which is normally water.

Resistance is created exclusively by fluid friction and agitation of the fluid being circulated between the vaned pockets of the rotor and the facing vaned pockets of the stator. The amount of mechanical energy that can be absorbed in this manner is dependent upon the quantity and velocity of the fluid in the working chamber.

The velocity of any specific quantity of fluid in the working chamber will be increased with the rotary speed of the rotor up to the maximum operating speed of the brake.

Hydromatic® Brakes and Hydrotarders® are versatile pieces of equipment. Originally for use on heavy duty rotary drilling rigs, their uses have spread to other areas such as cranes, hoists, on and off highway vehicles, conveyors, engine dynamometer, anchor windlasses and winches, non-fired gas evaporation systems, and many others. Any equipment which generates surplus energy can profit from the smooth fluid action, and power absorbing efficiency of the Hydromatic® Brake or Hydrotarder®.

The capacity curves give torque versus RPM, and horsepower versus RPM, for the various sizes of Hydromatic® Brakes and Hydrotarders®.

The Brake torque and horsepower curves are not included in this publication, and are available as a separate attachment e-mail from parmac L.L.C.

PLEASE CONTACT FOR YOUR REQUIRMENT

PARMAC L.L.C

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