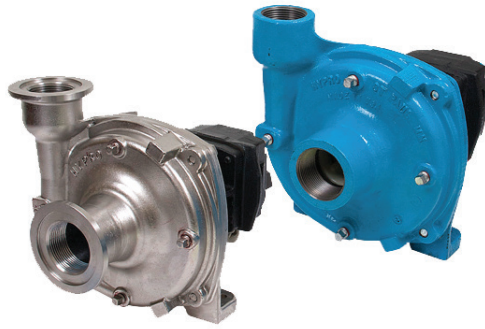


Liquid Fertilizer Pumps



Series 9303 Hydraulic Motor Drive

Hypro centrifugal pumps are designed for agricultural and industrial spraying and transfer of a variety of fluids: water, insecticides, herbicides, wettable powders, emulsives, liquid fertilizers, etc.

Hypro Series 9300 hydraulic motor-driven centrifugal pumps provide smooth performance. They can be conveniently mounted on the tractor or sprayer, becoming part of the vehicle's hydraulic system and freeing the PTO for other uses. The Hypro "close-coupled" design reduces the mounting space required, eliminating long shafts and couplers between the pump and motor.

The broad, versatile line includes models with rugged housings of cast iron and stainless steel that stand up to strong chemical herbicides. Stainless steel pumps are ideal for use with Roundup® or other acid applications.

The series includes models 9303C-HM1C, 9303S-HM1C, 9303C-HM2C, 9303S-HM2C, 9303C-HM3C, 9303S-HM4C, 9303C-HM5C and 9303S-HM5C.

STANDARD FEATURES:

- Max. flow: 97-147 gpm/367 lpm (free flow)
 - HM1C: 114 gpm/432 lpm
- Max. fluid temperature: 140°F/60°C
- Hydraulic motor drive (for open and closed center systems)
- Housing: cast iron or stainless steel
- Port sizes: 1 1/2" NPT inlet, 1 1/4" NPT outlet
- Impeller: Cast Iron models - glass filled nylon; Stainless Steel models - polypropylene

- Pump seals: Cast Iron Models - Viton/ceramic are standard; Stainless Steel models - Life Guard™ silicon carbide (Buna-N/ceramic and Viton/ silicon carbide are available)
- Weight: 26 lbs./11.8 kg.
- Motor capacities: 4 - 24 gpm/15.1 - 90.8 lpm
 - HM1C: 9 - 14 gpm/34 - 53 lpm
- Max. motor psi: 2000 continuous duty, 2200 intermittent duty
- Hydraulic ports: 1/2" NPT
- Hydraulic motor seal: double-lip Teflon

Hydraulic Driven Centrifugal Pump

DESCRIPTION	Part #
Hypro Hyd. Driven Pump - stainless (use with fertilizer)	HY9303SHM1C
Hypro Hyd. Driven Pump Stainless - Flanged Style	HY9303SHM1CU
Hypro Hyd. Pump, (ag chemical) cast body	HY9303CHM1C
Hydraulic motor only	HY25000081C
Hydraulic motor repair kit	HY34300748
Pump Seal Kit	HY34300589

Pump with component schematic on next page.

FORCEFIELD TECHNOLOGY IS IDEAL FOR USE IN THE MOST DEMANDING LIQUID FERTILIZER APPLICATION CONDITIONS.



STANDARD FEATURES:

ForceField Technology is a superior wet seal technology that provides the ultimate protection for the mechanical seal and avoids costly downtime.

- Protects the mechanical seal against common failures related to dry run and chemical bonding by using a barrier fluid to keep it cool and lubricated
- Actively maintains a pressure differential between the barrier fluid and the pumping solution, which results in longer life and worry free operation
- Designed to be a drop-in replacement for standard Hypro hydraulically driven centrifugal pumps
- One year warranty covering pump, motor and seals

Hypro ForceField Hydraulic driven pumps

DESCRIPTION	Part #
Model 9313 Pump/220 inlet – 200 outlet	HY9313SU-M08
Impeller	HY04009313
Cap Screw	HY22200124