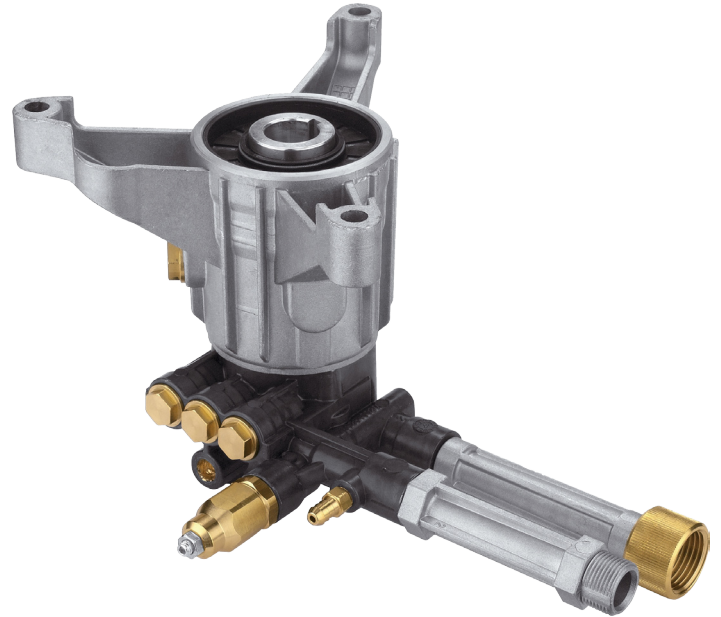


### DESCRIPTION

This plunger pump will pump up to 2.5 GPM at 2500 PSI. It spins at 3400 RPM in a direct drive system coupled with a gasoline engine. The matching flange provides convenient connection to most 7/8" shaft 1.1 - 5.5 HP engines. The hollow shafted pump includes a built-in pressure control valve, and chemical injection system.



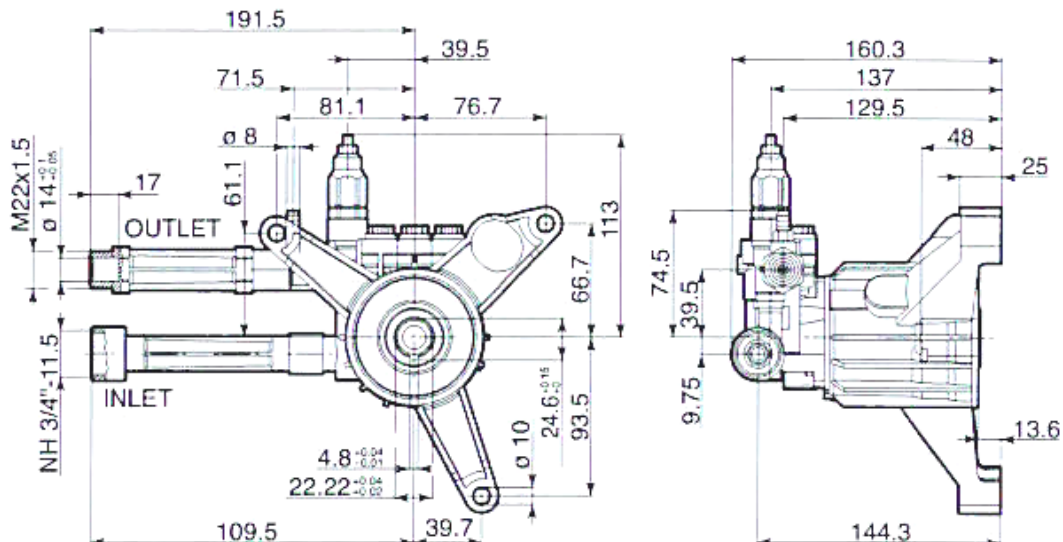
### SPECIFICATIONS

MAX GPM .....	2.5	MAX LMP .....	9.5
MAX PSI .....	2500	MAX BAR .....	172
POWER EBHP .....	4.3	BORE DIA. MM .....	12
STROKE MM .....	9.7	WEIGHT LBS .....	7.7
MAX TEMP .....	140°	OIL CAPACITY .....	2.2oz
INLET THREAD .....	3/4" GH	DISCHARGE THREAD .....	22MM

### DIMENSIONS

# RMW

D version  
Hollow shaft pump  $\varnothing$  7/8"



## SPECIAL FEATURES

### WET END

- **Manifold:**
  - **Forged Brass:** Strength and no porosity - long life. Higher hydrostatic pressures - safety.
  - **Unloader:** Integral trap pressure, fixed chemical injector. Simple repair using a cartridge replacement kit.
  - **Bolts:** Three bolts, 6mm grade 8.8.
- **Valves:**
  - **Ultra Form Cages:** Durable, strong, and long life.
  - **Poppets and Spring:** 303 series stainless steel.
  - **Valve Seat:** Brass with an external sealing o-ring on both inlet and discharge valves.
  - **Valve Caps:** Machined brass for greater strength.
- **Packing and Plungers:** Dual seal system.
  - **High Pressure Packing and Low-Pressure Seals:** "U" cup double lip Buna-N for a good positive seat.
  - **Support and Guides:** Special anti-wear plastic, 1-piece construction to assure proper plunger alignment, maximize packing and seal life and prevent plunger wear and damage.
  - **Plungers:** Solid hardened stainless steel, strong and durable.

### DRIVE END

- **Bearings:** Oversized ball bearing stabilizes the crankshaft and one needle style thrust bearing absorbs the plunger load and assures long radial plate life.
- **Crankcase:** Precision die-cast, with cooling fins for maximum heat dissipation. The housing retains the crankshaft bearing, oil seal and rear wobble plate bearing support washer.
- **Crankshaft/Wobble Plate:** Precision die-cast to assure proper stroke, duration and alignment.
- **Oil Seals and O-rings:** All are constructed of Buna-N rubber. The oil seals have stainless steel garder springs to assure constant tension on the sealing surface.
- **Oil Capacity:** 2.3 oz.

- **Ports:**
  - **Inlet Port:** Is supplied with a standard brass garden hose connection with inlet strainer.
  - **Discharge Port:** Is supplied with 3/8" M connection.
  - **Accessory Ports:** All models have a 1/4" F port on the inlet side of the manifold.

### EXTRA FEATURES

- **Dyno Proven:** All pumps are dyno tested to assure the theoretical design meets the actual design.
- **Valve Design:** Each pump series has a valve design that optimizes its highest efficiency.
- **Wet End Repair:** Very simple no special tools required.
- **Design:** Using advanced fluid handling design programs. Overall pump efficiency is increased.