



**An open design duplex pump set (Model #PYPS1205)
set up to be bolted to the floor.**

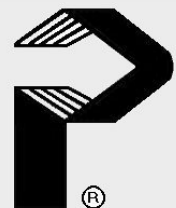
Pryco Pump Sets are high performance fuel system drivers. They are fully integrated, pre-plumbed and pre-wired for trouble-free, “connect and go” installation. We offer a wide range of configurations that will fulfill your requirements. They are intended to transfer #2 fuel oil within an emergency generator system or oil burners.

The following configurations are available:

- The **PYPS1000** “Open Design” series — the components are mounted on a bracket with a drip pan that may be placed directly on the floor or may be ordered with an integrated heavy duty bracket on the back side for wall mounting.
- The **PYPS2000** “Enclosed Design” series — the components of the this design are mounted on a back-plate that is placed within an optional NEMA-1 or NEMA-3R enclosure (Option #338). The enclosure may be wall mounted or may be ordered with legs for floor installation. See page PS-4 for a description of the optional enclosures.
- The **PYPS3000** “Custom Design” series — for special requirements

Refer to page PS-3 for a list of options that are commonly ordered with pump sets. Isolation valves provide for easy maintenance of the pump and motor system. Also, fuel filters/separators and pressure relief valves are ordered with most pump sets.

A pump set can accommodate both a supply and a return system.



The Content Of This Catalog Is Subject To Change Without Notice.

For commercial and industrial reliability, we use positive displacement, self-lubricating, bronze rotary gear pumps with stainless steel shafts from Oberdorfer . We offer an assortment of six models of pumps ranging from 2 GPM up to 40 GPM. (Shown to the right is Oberdorfer's #994 — 10GPM pump.) These pumps are close coupled to a motor chosen to match your flow rate and other specific requirements (refer to Pump/Motor Sizing on pages PS5-PS6).



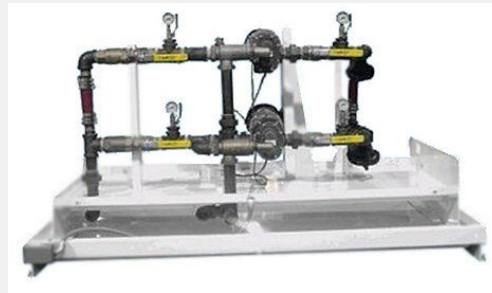
A single 2-GPM pump and 1/3 HP motor (and related controls) are standard with all pump sets ("PYPS") configurations. Optionally available are duplex and triplex pumps/motors (even a quadplex in custom designs) with lead/lag switching and sequencing. All models have common intake and output ports.

The control system receives fuel level signals from our standard remote float switch design. Or, you may optionally choose our Fuel Control and Monitoring (FCM) system. Both control systems are housed in a NEMA-3R rated enclosure.

Depending upon your requirements, the pump set may be housed within an optional NEMA-1 or NEMA-3R rated enclosure (see the ENCLOSURES section below).

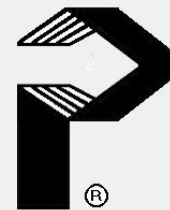
STANDARD FEATURES

- Fully Factory Assembled
- Heavy Gauge Steel throughout
- 2 GPM Pump & 1/3 HP Motor (same as day tanks)
- High Pressure, Crimp Hose connections for easy maintenance
- Drip Pan with 1/2" Drain Plug Port
- Priming Tee on intake (#312)
- 3" Formed Channel Legs on Pad Floor (PYPS1000) designs
- Common Ports - Suction & Discharge (Size: 1/2", 1", 1 1/4", 1 1/2", and 2")
- Interface with Tank Control Circuits
- Gray or Industrial Color Paint



OPTIONAL ACCESSORIES

Pump set accessories generally parallel those of a day tank. Shown on the next page is a list of those options that are most often chosen for pump sets. If an option is not shown here, check the "OPTIONS" section of this catalog. Also, if more pumping capacity or greater power is required, please refer to the later section — "Pump / Motor Sizing" .



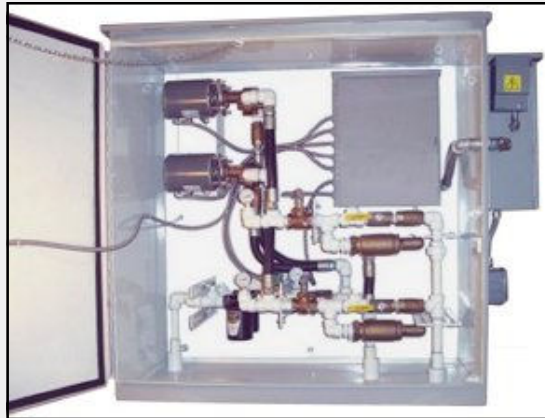
SUGGESTED OPTIONAL ACCESSORIES (See Options section for more details)

| OPTION CODE | DESCRIPTION |
|-----------------------------|--|
| 313 | Compound Pressure/Vacuum Gauge |
| 314 | Fuel Strainer 40 Mesh |
| 315SGL | Fuel Strainer 60 Mesh—Single Unit (315FLT— Replacement Filter & Gasket) |
| 315DPX | Fuel Strainer 60 Mesh—Duplex Unit w/Isolation Valves (315FLT— Replacement Filter & Gasket) |
| 318SGL | Fuel Filter / Water Separator (Facet) - Single (318FLT— Replacement Filter & Gasket) |
| 318SGL | Fuel Filter / Water Separator (Facet)—Duplex Unit w/Isolation Valves (318FLT— Replacement Filter & Gasket) |
| 318 | Fuel Filter / Water Separator (Racor) 318SGL—Single Separator Unit (Performance - 180 gph) 318DPX—Duplex Manifold Unit (Performance - 360 gph) 318TRI—Tri-Manifold Unit (Performance - 540 gph) |
| 338 | Enclosures, Pump Set (See ENCLOSURE Section page PS-4) |
| 339 | Enclosure Door Interlock with Circuit Breaker |
| 355 | Check Valve to prevent loss of prime |
| 369 | Manual Cut-Off Ball Valve for Pump Isolation |
| 372 | Flow Switch to detect “no fuel in line” condition |
| 379 | External Pressure Relief By-Pass Valve |
| 400 Series Pumps and Motors | Pump(s) & Motor(s), other than standard, sized according to your specification |
| 442 & 443 | Motor Starters |
| 427 | Duplex (Second Standard) Pump and Motor |
| 427A | Duplex Pump Alternator Transfer Switch (includes Second Standard Pump and Motor) |
| 427S | Triplex (Second and Third Standard) Pump and Motor |
| 427T | Triplex Pump Sequencer Switch (includes Second and Third Standard Pump and Motor) |

ENCLOSURE

When a vulnerable pump sets needs protection, our option #338 enclosures is the right answer. These NEMA1 and NEMA-3R enclosures feature:

- heavy 12 gauge steel
- a lockable door with a continuous hinge (this can be complimented with an optional door interlock that requires the system to be shut down before the door is opened)
- protected openings for adequate ventilation



The outside and inside view of an option #338 enclosure for a pump set similar to the one shown on page PS-1. The unit illustrated above has option #339, Door Interlock that requires the system to be shut down before the door is opened.

The different configurations of enclosures are shown below:

| 338 CODE SUFFIX | ASSOCIATED MODEL NUMBER | NEMA RATING | PUMP CONFIGUTATION |
|-----------------|-------------------------|-------------|--------------------|
| A | PYPS2100 | 1 | SINGLE PUMP |
| B | PYPS2200 | 1 | DUPLEX PUMP |
| C | PYPS2100 | 3R | SINGLE PUMP |
| D | PYPS2200 | 3R | DUPLEX PUMP |
| E | PYPS1100 | 1 | SINGLE PUMP |
| F | PYPS1200 | 1 | DUPLEX PUMP |
| G | PYPS1100 | 3R | SINGLE PUMP |
| H | PYPS1200 | 3R | DUPLEX PUMP |
| X | PYPS3000 | — | (ALL) |