



OPTIONS & PARTS

Catalog Number — 0010-4.0 (1/01/2010)

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OP-1

RECOMMENDED OPTIONAL ACCESSORIES

The following optional equipment is recommended for most fuel systems with pump(s) and motor(s):

360 - SOLENOID VALVE — A normally closed solenoid valve that is installed on the pump intake to prevent tank flooding if the main storage tank is position above the day tank intake level; or, to prevent siphoning (backflow) if the main storage tank is located below the day tank inlet. It is automatically opened when the pump motor turns on.

315 - FUEL STRAINER — A 1" strainer intended for in-line installation to prevent debris from entering system. Includes a 60-Mesh replaceable cartridge.

399 - REVERSE FLOW CONTROL— A package that includes the plumbing, float switches, and other control devices and wiring necessary to return fuel to the main storage tank. Pump and motor are not included; however, we recommend a pump/motor combination that is at least one size larger than the supply pump/motor set.

210 - HIGH/LOW COMBINATION FUEL LEVEL ALARM — Dual separate float switches that activates a red light on control panel when the fuel rises to a pre-determined level (normally 102% capacity), and a different red light when the fuel falls to a pre-determined level (normally 75% capacity).

206 - CRITICAL LOW FUEL ALARM w/ENGINE SHUT DOWN — A separate float switch (normally set at 5% fuel level) that activates a red light on the control panel. It also activates a double pole relay that closes normally open contacts for 3 amp remote alarm annunciation, and opens a normally closed contacts that will shut down the generator engine thus preventing loss of engine fuel prime.

213 - CRITICAL HIGH FUEL PUMP/MOTOR SHUT DOWN — A separate float switch that shuts off the pump motor when fuel rises to a 103% level. Also, a "Critical High" red light on the control panel is activated; a remote annunciation relay is closed and dry contacts are activated. And a "normally open" solenoid valve is closed to prevent further fuel from entering the tank.

385 - 150% RUPTURE BASIN — A U/L Listed (Label 142, File #MH12807), open-top dike, secondary containment used as insurance against day tank leak or rupture. Also recommended is a **395 - RUPTURE LEAK DETECTOR** installed within a rupture basin that shuts down the pump motor; activates a "rupture detected" red light on the control panel; and, activates dry contacts for remote signal (15 amp).

DW – DOUBLE WALL CONSTRUCTION — a totally enclosed outer shell, or the outer tank, independent of the inner day tank fuel storage area. Both the inner and outer tanks are vented separately and are pressure tested as described above. The outer tank has a provision for leak detection, venting, and a drain. The inner tank overflow port and drain are piped through the outer tank. The 395 Leak Detector (above) is used to monitor inner tank leakage.

321 - PRESSURE RELIEF VENT CAP — A pressure relief vent cap.

ELECTRICAL

ALARMS and SWITCHES—HIGH LEVEL

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208	REMOTE OUTPUT SIGNAL for Option 207	OP-9
209	HIGH FUEL LEVEL SWITCH	OP-9
213	CRITICAL HIGH FUEL ALARM w/PUMP MOTOR SHUTDOWN	OP-10
222	HIGH FUEL LEVEL EXPLOSION-PROOF SWITCH	OP-12

ALARMS and SWITCHES—LOW LEVEL

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204	REMOTE OUTPUT SIGNAL for Option 203	OP-8
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206	CRITICAL LOW FUEL ALARM and ENGINE SHUTDOWN	OP-9
220	LOW FUEL LEVEL HEATER SHUT-OFF SWITCH	OP-12
221	LOW FUEL LEVEL EXPLOSION-PROOF SWITCH	OP-12

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211	REMOTE OUTPUT SIGNAL for Option 210	OP-9
212	COMBINATION LOW / HIGH FUEL LEVEL SWITCH	OP-9

ALARM HORNS

223	ALARM HORN, Compact (86dB @ 10 Ft)	OP-12
224	ALARM HORN, Weatherproof (103dB @ 10 Ft)	OP-12

CIRCUIT BREAKERS

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216-3x	CIRCUIT BREAKER (Three Phase)	OP-11
216-DC	CIRCUIT BREAKER (DC Motors)	OP-11

EXTRENAL “DRY” CONTACTS

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246	REMOTE SIGNAL DRY CONTACTS	OP-14

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217	FLOAT SWITCH (Standard)	OP-11
218	DPDT FLOAT SWITCH (Replaces Standard Float Switch)	OP-11

HEATER and THERMOSTATS

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219-B/F	HEATER and THERMOSTAT (50 to 1000 Gal. Tanks).....	OP-11

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209DW	RUPTURE BASIN / DOUBLE WALL LEAK DETECTOR	OP-9
295	LEAK DETECTOR for DOUBLE WALL TANK w/PUMP & MOTOR	OP-14
295M	LEAK DETECTOR for DOUBLE WALL MANUAL TANKS	OP-14

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240	ALARM TEST SWITCH	OP-14
242	ALARM SILENCE SWITCH	OP-14

ELECTRICAL (continued)

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200R	REMOTE ANNUNCIATION for Option 200	OP-8
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201R	REMOTE ANNUNCIATION for Option 201	OP-8
225	FLASHING LIGHT, YELLOW — “Attention Getter” for Any Alarm	OP-12
225R	REMOTE ANNUNCIATION for Option 225	OP-12
244	REMOTE ANNUNCIATION for Pump Running Contacts.....	OP-14

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427B	MANUAL PUMP MOTOR TRANSFER SWITCH	OP-26

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230	REMOTE FUEL FILL STATION	OP-13
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MECHANICAL

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335RB	RUPTURE BASIN WEATHERPROOF COVERS	OP-18
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341	DRAIN, PETCOCK VALVE (Piped Thru Rupture Basin & Double Wall)	OP-19
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343	SIPHON DRAIN ASSEMBLY, For Tank-Top Drain	OP-19
345	DRAIN, NOMINAL 10 GPM	OP-19
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318	FUEL FILTER/WATER SEPARATOR, “F”-TYPE, SINGLE & DUPLEX	OP-16
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SOLENOID & MOTORIZED BALL VALVES

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VALVES and SWITCHES

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322	VENT KIT—SINGLE WALL TANKS	OP-16
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BRONZE PUMPS

400 thru 405 BRONZE GEAR PUMPS (2 GPM to 40 GPM) OP-25

CAST IRON PUMPS

PCI06 thru PCI62 CAST IRON GEAR PUMPS (6 GPM to 62 GPM) OP-25

PCI03R thru PCI15R CAST IRON GEAR PUMPS w/PRESSURE RELIEF,
(3 GPM to 13 GPM) OP-25

HAND PUMPS

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DUPLEX PUMPING SYSTEMS

427 DUPLEX PUMP and MOTOR (Second)..... OP-26

427A AUTOMATIC TRANSFER SWITCH and CONTROLS OP-26

427B MANUAL TRANSFER SWITCH and CONTROLS OP-26

MOTORS

A/C & D/C MOTORS

1/4 HP, 12 vdc and 24-28 vdc OP-27

1/3 HP, 120 vac, 230 vac, & 460 vac OP-27

1/2 HP, 12 vdc and 24-28 vdc OP-27

1/2 HP, 120 vac, 230 vac, & 460 vac OP-27

3/4 HP, 120 vac, 230 vac, & 460 vac OP-27

1 HP, 120 vac, 230 vac, & 460 vac OP-27

2 HP, 120 vac, 230 vac, & 460 vac OP-27

MOTOR STARTERS — A/C

442 & 443 Single and Triple Phase, respectively OP-2

STANDARD PUMP and MOTOR

463 Standard Pump & Motor (Purchased Separately) OP-26

ELECTRONIC CONTROLLERS

700 FUEL CONTROL MODULE (FCM) and OPTIONS OP-29

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BATTERY BOXES & FRAMES

BATTERY BOXES and FRAMES

BB01 thru BB04	BATTERY BOXES for 4D & 8D Batteries	OP-32
BF01 thru BF04	BATTERY FRAMES for 4D & 8D Batteries	OP-32
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PUMP SET OPTIONS

PUMP SET OPTIONS

Also selection from Electrical, Mechanical, Pumps & Motors options.

338	ENCLOSURE, PUMP SET	PS-3
339	ENCLOSURE DOOR INTERLOCK w/CIRCUIT BREAKER	PS-3

SUB-BASE TANK OPTIONS

SUB-BASE TANK OPTIONS

Also, for Day Tank versions, select from Electrical, Mechanical, Pumps & Motors options.

503	LOW FUEL LEVEL ALARM	SB-2
504	REMOTE ANNUNCIATION for Option 503	SB-2
505	LOW FUEL LEVEL SWITCH	SB-2
507	HIGH FUEL LEVEL ALARM	SB-2
508	REMOTE ANNUNCIATION for Option 507	SB-2
509	HIGH FUEL LEVEL SWITCH	SB-2
509RB	REMOTE ANNUNCIATION for Option 509	SB-2
595	LEAK DETECTOR for DOUBLE WALL SUB-BASE TANKS w/PUMP & MOTOR	SB-2
595M	LEAK DETECTOR for DOUBLE WALL MANUAL SUB-BASE TANKS	SB-2

TANK TRAILER OPTIONS

TANK TRAILER OPTIONS

600	PARKING BRAKE	TR-2
61x	ELECTRIC BRAKES	TR-2
62x	SURGE HYDRAULIC BRAKES	TR-2
630	STABILIZER JACK	TR-2
640	SWIVEL JACK & WHEEL	TR-2
650	TOWING RING	TR-2
651	COUPLER & TOWING RING, ADJUSTABLE	TR-2
652	BREAK-AWAY KIT for option 61x	TR-2
67x	PAINT (other than Pryco Gray)	TR-2

COMMONLY REQUESTED PARTS LIST

PARTS	OP-33
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ELECTRICAL OPTIONS

Option Code	Description
200	<p>POWER AVAILABLE LAMP — A Green pilot light that when lit Indicates the control and/or motor circuits are energized and the system is ready.</p> <p><i>For remote signal, add —</i></p>
200R	<p>REMOTE SIGNAL PROVISION, POWER AVAILABLE — Components to provide a heavy-duty, remote signal of the Power Available Lamp (option #200). Includes dry terminal contacts for connection of customer supplied device up to 3 amp.</p>
201	<p>LOW FUEL SUPPLY IN MAIN TANK LAMP — A Red pilot light that when lit indicates LOW FUEL LEVEL in the remote source tank (normally the main storage tank). Signal from external tank must be supplied by customer. Includes dry terminal contacts for connection of customer supplied device up to 3 amp. Specify incoming voltage.</p> <p><i>For remote signal, add —</i></p>
201R	<p>REMOTE SIGNAL PROVISION, LOW FUEL SUPPLY IN MAIN TANK — Components to provide a heavy-duty, remote signal of the Low Fuel Supply In Main Tank Lamp (option #201). Includes dry terminal contacts for connection of customer supplied device up to 3 amp.</p>
202	<p>PUMP RUN-OFF-AUTOMATIC SWITCH - Three position selector switch that replaces “Press-To-Test” switch. Normally there is one for each pump control system. Includes Option #200.</p> <ul style="list-style-type: none"> In the ON position, it overrides the float switch to turn on the motor (and pump). In the OFF position is used to turn off all power to the control system for the associated pump. In the AUTO position (normal), the float switch has control of the start and stop of the pump motor.
203	<p>LOW FUEL LEVEL ALARM — A separate float switch which activates a red pilot light on the control panel when fuel falls below a preset level (normally 75% fuel capacity).</p> <p><i>For remote signal, add —</i></p>
204	<p>REMOTE SIGNAL PROVISION, LOW FUEL LEVEL ALARM — Components to provide a heavy-duty, remote signal of the Low Fuel Level Alarm (option #203). Includes dry terminal contacts for connection of customer supplied device up to 3 amp.</p>
205	<p>LOW FUEL LEVEL SWITCH — A separate float switch that activates remote outgoing signal when the fuel falls to a predetermined level (normally 75% fuel capacity). Includes dry terminal (30-watt) contact.</p>

120vac voltage is assumed for all electrical components.

230vac, 12vdc, 24vdc, and most industry-standard special voltages may also be specified.

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Option Code	Description
206	<p>CRITICAL LOW FUEL ALARM w/ENGINE SHUTDOWN — A separate float switch that activates a red light on the control panel when the fuel level reaches a critical low level -- normally 5% fuel capacity of the tank. It opens a set of normally closed contacts that will shut down the generator engine thus preventing loss of engine fuel prime.</p> <p>Includes a double pole relay that closes a normally open contacts for a 3 amp remote outgoing signal.</p>
207	<p>HIGH FUEL LEVEL ALARM — A separate float switch which activates a red pilot light on the control panel when fuel fills beyond a preset level (normally 102%).</p> <p><i>For remote signal, add —</i></p>
208	<p>REMOTE SIGNAL PROVISION, HIGH FUEL LEVEL ALARM — Components to provide a heavy-duty, remote signal of the High Fuel Level Alarm (option #207). Includes dry terminal contacts for connection of customer supplied device up to 3 amp.</p>
209	<p>HIGH FUEL LEVEL SWITCH — A separate float switch that activates a remote outgoing signal when the fuel rises to a predetermined level (normally 102% capacity). Includes dry terminal (30-watt) contacts.</p>
209RB or 209DW	<p>RUPTURE BASIN or DOUBLE WALL LEAK DETECTOR SWITCH — A sensor switch located within the secondary containment area. Includes dry terminal (30-watt) contacts.</p>
210	<p>HIGH / LOW COMBINATION FUEL LEVEL ALARM — Dual separate float switches that activates red lights on control panel when a low or high fuel level is sensed.</p> <ul style="list-style-type: none"> • HIGH - (See option #207) • LOW - (See option #203) <p><i>For remote signal, add —</i></p>
211	<p>REMOTE SIGNAL PROVISION, HIGH / LOW COMBINATION FUEL LEVEL ALARM — Components to provide a heavy-duty, remote signal of the High / Low Combo Fuel Level Alarm (option #210). Includes dry terminal contacts for connection of customer supplied device up to 3 amp.</p>
212	<p>COMBINATION HIGH/LOW FUEL LEVEL SWITCH — Dual separate float switches to provide remote signaling of high and low fuel level conditions.</p> <ul style="list-style-type: none"> • LOW - (See option #205) • HIGH - (See option #209)

Option Code	Description
<p>213</p> <p>213A 1/2" NPT Fuel Line—120 vac 213B 1" NPT Fuel Line—120 vac 213C 1-1/2" NPT Fuel Line—120 vac 213D 2" NPT Fuel Line—120 vac 213E-12 1/2" NPT Fuel Line—12 vdc 213E-24 1/2" NPT Fuel Line—24 vdc 213F-12 1" NPT Fuel Line—12 vdc 213F-24 1" NPT Fuel Line—24 vdc 213G-12 1-1/2" NPT Fuel Line—12 vdc 213G-24 1-1/2" NPT Fuel Line—24 vdc 213H-12 2" NPT Fuel Line—12 vdc 213H-24 2" NPT Fuel Line—24 vdc</p> <p>213M</p>	<p>CRITICAL HIGH FUEL ALARM w/PUMP MOTOR SHUTDOWN — This switch/alarm assembly prevents tank overfilling when the fuel level reaches a critical high level - normally 3-inches from the top of the tank or 103%.</p> <p>Tanks with a pump / motor system — a separate float switch activates a red alarm light on the tank control panel, shuts down pump motor(s), and closes a normally open solenoid valve that is installed at fuel inlet. To specify solenoid valve voltage and inlet pipe size, use option codes 213A thru 213H shown below.</p> <p>Manual-fill and Subbase Tanks (no pump/motor system installed) — a separate float switch activates a red alarm light on the tank control panel. Specify: 213M for 120 vac, 213M-12 for 12 vdc, or 213M-24 for 24 vdc.</p>
214	<p>EXPLOSION PROOF FLOAT SWITCH — This switch assembly has the same functionality as our standard float switch but all components are explosion proof, except the contactor, which is housed within an explosion proof enclosure.</p>
215	<p>FLOAT VALVE — This option is used when a day tank is gravity fed from a main storage tank.</p> <p>Although technically it is not an electrical item, it replaces the standard float switch (option 217). Therefore, there is no electrical level control and annunciation directly associated with this option.</p>

The Explosion Proof Float Switch, option #214, and the Float Valve, option #215, normally replaces the Standard Float Switch, option #217.

Option Code	Description
<p>216</p> <p>216-1-10 Single pole, Single Phase, A/C — 10 Amp. 216-1-15 Single pole, Single Phase, A/C — 15 Amp. 216-1-20 Single pole, Single Phase, A/C — 20 Amp. 216-1-30 Single pole, Single Phase, A/C — 30 Amp. 216-2-15 Double pole, Single Phase, A/C — 15 Amp.</p> <p>216-3-15A 230 vac, Three Phase — 15 Amp. 216-3-15B 460 vac, Three Phase — 15 Amp.</p> <p>216-DC All D/C motors - Up to 30 Amp.</p>	<p>CIRCUIT BREAKER — This option, which includes the breaker(s) and an enclosure, is used to protect pump motors. The actual breaker is sized according to the ampere draw of the motor(s) and voltage. Standard breaker sizes are:</p>
<p>217</p>	<p>FLOAT SWITCH (Standard) — This switch controls the start and stop of the pump motor. There are two sensors:</p> <ul style="list-style-type: none"> • an ON sensor normally set at the 86% level, and • an OFF sensor that is normally set at the 100% level. <p>This option includes a bypassing “press-to-test” momentary contact switch to manually test the pump motor, and an amber pump-running light. The contactor has two N.O. and two N.C. secondary terminals that is rated at 15 amps.</p>
<p>218</p>	<p>DOUBLE POLE/DOUBLE THROW (DPDT) FLOAT SWITCH (Replaces Standard Float Switch #217) — This switch functions the same as our Standard Float Switch (option 217) with the exception that this switch has two N.O and two N.C. secondary terminals and is rated at 15 amps. Each contactor has its own float switch. This option includes a bypassing “press-to-test” momentary contact switch to manually test the pump motor, and an amber pump-running light.</p>
<p>219</p> <p>219A <u>5 to 25 Gallons</u> PY5 - PY25 — 300w, 120vac</p> <p><u>Above 25 Gallons</u> 219B PY50 - PY100 — 1000w, 120vac 219C PY150 - PY300 — 1500w, 120vac 219D PY400 - PY500 — 2000w, 120vac 219E PY600 - PY800 — 4000w, 240vac 219F PY900 - PY1000—8000w, 240vac</p>	<p>HEATER & THERMOSTAT — An assembly used to heat the fuel oil inside a tank to maintain a specified temperature. While the thermostat controls the on/off of the actual heater to achieve desired fuel temperature, a float switch and relay monitors fuel level. If the fuel drops below a pre-set level of 1” above the heater, the heater is shut off regardless of the temperature. This is to protect the heater from “burn-out”.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>

Option Code	Description
220	MULTIPLEX REMOTE PUMP/MOTOR CONTROLLER — An automatic transfer switching device used to control alternating remote pumps/motors pumping fuel from main storage tank to any number day tanks.
221	EXPLOSION PROOF LOW LEVEL SWITCH — An explosion-proof sensor that activates remote outgoing signal when the fuel falls to a pre-determined level. Includes dry terminal (30-watt) contacts. Terminals located in explosion-proof box.
222	EXPLOSION PROOF HIGH LEVEL SWITCH — An explosion-proof sensor that activates remote outgoing signal when the fuel rises to a pre-determined level. Includes dry terminal (30-watt) contacts. Terminals located in explosion-proof box.
223	ALARM HORN, COMPACT — This horn is a compact design, vibrating AC or DC horn with low power drain that normally surface mounts on a control panel. Sound output is 104 dB at one foot (86 dB at 10 ft.). It is intended for indoor use.
224	ALARM HORN, WEATHERPROOF — A low-current, high decibel vibrating horn for heavy-duty indoor/outdoor use. Sound output is adjustable over a 25 dB range from 78 dB to 103 dB (10 feet).
225	FLASHING LIGHT - YELLOW — Used as an “attention getter”, this option may be used in most any alarm circuit. Please specify associated alarm option.
225R	<i>For remote signal, add —</i> REMOTE SIGNAL PROVISION, FLASHING LIGHT - YELLOW — Components to provide a heavy-duty, remote signal of the Flashing Light, Yellow (option #225). Includes dry terminal contacts for connection of customer supplied device up to 3 amp.
226	REMOTE FUEL FILL PANEL — A NEMA 3R enclosure, remotely mounted that is used to monitor tank fuel level filling activities. At 90% fuel fill, alarm horn ctivates and a light illuminates (alarm horn and silence switch included). At 95% an alarm horn sounds, light illuminates, and an optional N/O solenoid valve (opt #361),if installed, closes allowing no more fuel to enter tank.
226FM	WALL-FLUSH MOUNTING of REMOTE FUEL FILL PANEL — Necessary brackets needed to recess panel enclosure (not door) into wall.
226PM	ASSISTING PUMP and MOTOR for REMOTE FUEL FILL PANEL — The controls, brackets, etc. necessary to mount a single pump and motor to pump fuel to a non-gravity fill main storage tank. NOTE: Specify / order pump and motor separately according to requirements.
227	SPILL CONTAINER - 7.5 gallon container that is wall or pedestal mounted, that is used to prevent over-spill from contaminating soil, floor, etc. High speed drain valve included.
227-2	2" NPT Outlet connection
227-3	3" NPT Outlet connection
227-4	4" NPT Outlet connection


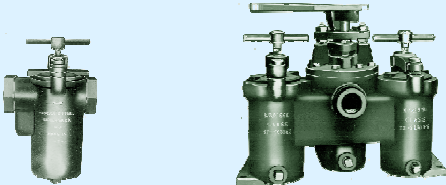
Option Code	Description
229	DRIP BASIN - one gallon container, lockable with gasket for manual filling of Day Tank or Subbase. 2" NPT Outlet connection
230	<p>REMOTE FUEL FILL STATION — A lockable, NEMA 3R, dual-door enclosure designed to accommodate delivery truck curb-side filling of storage tank via hose connection. Inside are two compartments:</p> <ul style="list-style-type: none"> the right side has a brass Cam-and-Groove fitting, a check valve, a manual shut-off valve, and a 7-1/2 containment sump; the left (isolated) side has the electrical components required to monitor fuel activities and report abnormal conditions. <p>When the tank being filled reaches a 90% set point, a warning light comes on and an alarm horn sounds. If filling continues, a second light comes on at 95% capacity and an alarm horn again sounds. At this time, an optional solenoid valve (opt 361) will close allowing no more fuel to enter the tank. A silence switch and remote contact outputs are standard.</p> <p>230-22 2" Cam-and-Groove fill and 2" plumbing and outlet 230-32 3" Cam-and-Groove fill and 2" plumbing and outlet 230-33 3" Cam-and-Groove fill and 3" plumbing and outlet <i>(Available in 120 vac, 12 vdc and 24 vdc. Specify other than 120 vac.)</i></p> <p>230FM WALL-FLUSH MOUNTING of REMOTE FUEL FILL STATION — Necessary brackets needed to recess panel enclosure (not door) into wall.</p> <p>230PM ASSISTING PUMP and MOTOR for REMOTE FUEL FILL STATION — The controls, brackets, etc. necessary to mount a single pump and motor to pump fuel to a non-gravity fill main storage tank.</p> <p>NOTE: Specify / order pump and motor separately according to requirements.</p>
232	<p>FUEL DELIVERY CONTROL STATION — A lockable, weatherproof, enclosure with a 20-gallon spilled fuel containment area. The 2" or 3" main fuel line features:</p> <ul style="list-style-type: none"> a brass Cam-and-Groove fitting for standardized lock-on filling; an isolation ball valve; a check valve to prevent "back-fill" flooding <p>Any spilled fuel falls into the 20-gallon sump where it can be either manually drained or pumped back into the main fuel line using an included hand pump.</p> <p>232-22 2" Cam-and-Groove fill and 2" plumbing and outlet 232-32 3" Cam-and-Groove fill and 2" plumbing and outlet 232-33 3" Cam-and-Groove fill and 3" plumbing and outlet</p> <p>232PM ASSISTING PUMP and MOTOR for FUEL DELIVERY CONTROL STATION — The controls, brackets, etc. necessary to mount a single pump and motor to pump fuel to a non-gravity fill main storage tank.</p> <p>NOTE: Specify / order pump and motor separately according to requirements.</p>

Option Code	Description
240	ALARM TEST SWITCH — A momentary contact switch that tests up to 4 alarm circuits (alarm contactors, lights, and horn, if installed).
242	ALARM SILENCE SWITCH — A momentary contact switch that resets sounding alarm.
244	PUMP RUNNING CONTACTS — A provision for heavy-duty, remote signal indicating a pump is running. Includes dry terminal contacts for connection of customer supplied device up to 3 amp.
246	REMOTE SIGNAL DRY CONTACTS — Components to provide a heavy-duty, remote signal of a specified alarm. Includes dry terminal contacts for connection of customer supplied device up to 3 amp.
295	LEAK DETECTOR FOR DOUBLE WALL TANKS WITH PUMP AND MOTOR - A sensor within the Double Wall containment area that upon detection of a leak will turn on a red alarm light on control panel <u>and will shut down pump motor</u> . Includes dry terminal contacts for connection of customer supplied device up to 15 amp.
295M	LEAK DETECTOR FOR DOUBLE WALL MANUAL TANKS — A sensor within the Double Wall containment area that upon detection of a leak will turn on a red alarm light on control panel. Includes dry terminal contacts for connection of customer supplied device up to 15 amp.

MECHANICAL OPTIONS

Option Code	Description
301	MANUAL FUEL FILL w/LOCKING CAP — 2” NPT, Used on Standard and Trim Day Tanks for manual filling, or fuel inlet from an Option 230, Remote Fuel Fill Station, or Option 232, Fuel Delivery Control Station. Includes Option 302.
302	MANUAL FUEL FILL, THREADED — 2” NPT connection and drop tube in tank. Does not include locking cap
303	MANUAL FUEL FILL, OVERFILL PREVENTION — Features a 2” Cam-and-Groove coupling inlet for fuel truck filling. An internal valve requires 5 psi of incoming fuel pressure to force a float to close when fuel level rises to 4” from top of the tank.





Option Code	Description
<p>305</p> <p>305-05 5 gallon day tank 305-10 10 gallon day tank 305-15 15 gallon day tank 305-25 25 gallon day tank</p>	<p>WALL MOUNTING BRACKETS, DAY TANKS - 5 thru 25 gallon tanks.</p>
<p>310</p> <p>310A 10 thru 25 gallon day tanks 310B 50 thru 100 gallon day tanks 310C 150 gallon day tank 310D 200 thru 275 gallon day tanks 310E 300 gallon day tank 310X All other sizes—specify day tank size</p>	<p>PIPE STANDS, ADAPTER ONLY (set of 4) — Adapters (only) and frame to elevate day tank from floor.</p>
<p>311</p>	<p>FILTER MINDER — A differential pressure instrument used to monitor and report the working efficiency of a fuel filtering system. If low or high pressure differential is sensed, an alarm circuit is activated. <i>(Installed or ships loose if filter ships loose.)</i></p>
<p>312</p> <p>312A 1/2" NPT 312B 1" NPT 312C 1-1/2" NPT 312D 2" NPT</p>	<p>PRIMING TEE — for easy system startup and pump system re-priming.</p>
<p>313</p> <p>313-2 2" Dial 313-4 4" Dial—Glycerin Filled</p>	<p>COMPOUND GAUGE, PRESSURE/VACUUM — for inline monitoring pressure normally on the immediate pump outlet (pressure side) or for inline monitoring of vacuum normally on the immediate pump inlet (suction side).</p>
<p>314</p> <p>314-YA 1/2" NPT, 20 Mesh 314-YB 1" NPT, 20 Mesh 314-YC 1-1/2" NPT, 40 Mesh 314-YD 2" NPT, 40 Mesh</p> <p>314-KB1 1" NPT, 100 Mesh—Single 314-KB2 1" NPT, 40 Mesh—Duplex 314-KC2 1-1/2" NPT, 40 Mesh—Duplex</p>	<p>FUEL LINE STRAINER — In-line strainers are normally located before pumps, meter, and other devices to filter debris from flowing into and damaging equipment. Strainer baskets are removable for cleaning & replacement.</p> <p><u>Y-Type Strainers</u></p>  <p><u>Vertical Strainers</u></p> 






Option Code	Description
<p>315</p> <p>315SGL</p> <p>315DPX</p> <p>315FLT</p>	<p>FUEL FILTER</p> <p>SINGLE—1" NPT 60 Mesh, 40 sq. in. element surface loading area for long life between cleanings. (Ships loose—Wt: 6 lbs)</p> <p>DUPLEX — Two Option ##315 fuel filters connected in parallel with two 3-way valves for isolation or tandem operation. (Ships loose—18 lbs)</p> <p>REPLACEMENT FILTER & GASKET For options #315SGL and #315DPX (Ships loose—Wt: 3 lbs)</p>
<p>318</p> <p>318SGL</p> <p>318DPX</p> <p>318FLT</p>	<p>FUEL FILTER / WATER SEPARATOR (TYPE-F)</p> <p>SINGLE—A 25 micron filter and housing to effectively remove water and solids from fuel. 1-1/2" NPT, U/L approved up to 50 psi. (Ships loose—41 lbs)</p> <p>DUPLEX — Two Option ##318 fuel filters connected in parallel with two 3-way valves for isolation or tandem operation. (Ships loose—85 lbs)</p> <p>REPLACEMENT FILTER & GASKET For option #318SGL And #318DPX (Ships loose—Wt: 3 lbs)</p>
<p>319</p> <p>319SGL</p> <p>319DPX</p> <p>319TRI</p>	<p>FUEL FILTER / WATER SEPARATOR (TYPE-R) — A filter and housing to effectively remove water and solids from fuel. U/L approved up to 50 psi. (Available in 2, 10, 25, and 30 micron filters—please specify.)</p> <p>Single Separator Unit — Performance - 180 gal / hr (Ships loose—10 lbs)</p> <p>Duplex Manifold Unit — Performance - 360 gal / hr (Ships loose—26 lbs)</p> <p>Tri-Manifold Unit — Performance - 540 gal / hr (Ships loose—39 lbs)</p>
<p>320</p> <p>320A</p> <p>320B</p> <p>320C</p>	<p>VENT CAP — Mushroom</p> <p>2" NPT (Ships loose — Wt: 2 lbs)</p> <p>3" NPT (Ships loose — Wt: 4 lbs)</p> <p>4" NPT (Ships loose — Wt: 5 lbs)</p>
<p>321</p> <p>321A</p> <p>321B</p> <p>321C</p> <p>321D</p>	<p>VENT CAP, PRESSURE RELIEF-U/L LISTED</p> <p>2" NPT (Ships loose — Wt: 5 lbs)</p> <p>3" NPT (Ships loose — Wt: 10 lbs)</p> <p>4" NPT (Ships loose — Wt: 15 lbs)</p> <p>6" NPT (Ships loose — Wt: 25 lbs)</p>
<p>322</p> <p>322A</p> <p>322B</p> <p>322C</p> <p>322D</p>	<p>VENT KIT, SINGLE WALL - A tank venting system that includes one working vent cap and one emergency pressure relief cap.</p> <p>2" NPT (Ships loose — Wt: 4 lbs)</p> <p>3" NPT (Ships loose — Wt: 5 lbs)</p> <p>4" NPT (Ships loose — Wt: 7 lbs)</p> <p>6" NPT (Ships loose — Wt: 15 lbs)</p>









Option Code	Description																																																						
323 323A 323B 323C 323D	VENT KIT, DOUBLE WALL — A tank venting system that includes <u>two</u> working vent caps and <u>two</u> emergency pressure relief caps. 2" NPT (Ships loose — Wt: 10 lbs) 3" NPT (Ships loose — Wt: 19 lbs) 4" NPT (Ships loose — Wt: 27 lbs) 6" NPT (Ships loose — Wt: 46 lbs)																																																						
324	VENT OVERFLOW DETECTOR — A sensor to detect any fuel overflowing into the vent. A red alarm light on the tank control panel is activated and pump motor(s) are shut down, (15 amp).																																																						
326	SIGHT GLASS - Glass tube with two hand valves, guard included																																																						
330	EXTRA PIPE CONNECTION / PORTS — Hole and NPT weld flange for customer specified additional plumbing and control port: <table border="1"> <thead> <tr> <th colspan="3">STANDARD SIZES</th> <th colspan="3">ADDITIONAL SIZES</th> </tr> <tr> <th>OPT. CODE</th> <th>NPT SIZE</th> <th>LIST PRICE</th> <th>OPT. CODE</th> <th>NPT SIZE</th> <th>LIST PRICE</th> </tr> </thead> <tbody> <tr> <td>330A</td> <td>1/2"</td> <td>76.00</td> <td>330H</td> <td>1/8"</td> <td>64.00</td> </tr> <tr> <td>330B</td> <td>1"</td> <td>79.00</td> <td>330J</td> <td>1/4"</td> <td>68.00</td> </tr> <tr> <td>330C</td> <td>1-1/2"</td> <td>86.00</td> <td>330K</td> <td>3/8"</td> <td>71.00</td> </tr> <tr> <td>330D</td> <td>2"</td> <td>92.00</td> <td>330L</td> <td>3/4"</td> <td>76.00</td> </tr> <tr> <td>330E</td> <td>3"</td> <td>101.00</td> <td>330M</td> <td>1-1/4"</td> <td>83.00</td> </tr> <tr> <td>330F</td> <td>4"</td> <td>127.00</td> <td>330N</td> <td>2-1/2"</td> <td>97.00</td> </tr> <tr> <td>330G</td> <td>6"</td> <td>208.00</td> <td>330P</td> <td>5"</td> <td>169.00</td> </tr> </tbody> </table>	STANDARD SIZES			ADDITIONAL SIZES			OPT. CODE	NPT SIZE	LIST PRICE	OPT. CODE	NPT SIZE	LIST PRICE	330A	1/2"	76.00	330H	1/8"	64.00	330B	1"	79.00	330J	1/4"	68.00	330C	1-1/2"	86.00	330K	3/8"	71.00	330D	2"	92.00	330L	3/4"	76.00	330E	3"	101.00	330M	1-1/4"	83.00	330F	4"	127.00	330N	2-1/2"	97.00	330G	6"	208.00	330P	5"	169.00
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333 333A 333B 333C	EXTRA FITTING for DOUBLE WALL PIPE-THROUGH 1" NPT 2" NPT 3" NPT																																																						
334 334-1 334-2 334-3 334-4	DAY TANK COVER—NEMA-1 ENCLOSURE FOR DAY TANKS SINGLE pump, motor, and control components. DUPLEX (2) pumps, motors, and control components. This cover is standard equipment for duplex supply pumps and motors with Options #s 427, 427A, or 427B. TRIPLEX (3) pumps, motors, and control components. QUAD (4) pumps, motors, and control components. NOTE: (A Single Pump/Motor cover is standard equipment for Standard Day Tank, Trim Day Tank, and Manual Day Tank with electrical components.)																																																						

Option Code	Description																														
<p>335</p> <p>335-1 SINGLE Pump / Motor</p> <p>335-2 DUPLEX Pumps / Motors</p> <p>335-3 TRIPLEX Pumps / Motors</p> <p>335-4 QUAD Pumps / Motors</p>	<p>DAY TANK COVER - WEATHERPROOF — A NEMA 3R rated enclosure to provide protection against normal weather elements. The control panel viewing area is covered with sealed plexi glass and all openings are piped-through. Inside, a pan provides protection from flooding.</p>																														
<p>335RB</p> <p>335RB/01 10 - 25 Gallon Tank</p> <p>335RB/02 50 - 75 Gallon Tank</p> <p>335RB/03 100 - 150 Gallon Tank</p> <p>335RB/04 200 - 300 Gallon Tank</p> <p>335RB/05 400 - 600 Gallon Tank</p> <p>335RB/06 700 - 800 Gallon Tank</p> <p>335RB/07 900 - 1000 Gallon Tank</p>	<p>STEEL WEATHERPROOFING OF RUPTURE BASIN — A NEMA 3R rated enclosure of the rupture basin containment area to provide outdoor protection against normal weather elements. A viewing window is covered with sealed plexi glass and all openings are piped-through.</p> 																														
<p>338</p>	<p>ENCLOSURE - PUMP SET A NEMA-1 or NEMA-3R (see below) enclosure featuring:</p> <ul style="list-style-type: none"> • Heavy galvanized steel, • A lockable door with a continuous hinge (may be complimented with a optional door interlock system - see Option 339 below), • Protected vent openings for adequate ventilation <p>Please use 338 Option Codes in left column for these pump set models:</p> <table border="1"> <thead> <tr> <th>PUMP SET MODEL #</th> <th>NEMA RATING</th> <th>PUMP CONFIG.</th> </tr> </thead> <tbody> <tr> <td>338A PYPS2100</td> <td>1</td> <td>Single Pump</td> </tr> <tr> <td>338B PYPS2200</td> <td>1</td> <td>Duplex Pump</td> </tr> <tr> <td>338C PYPS2100</td> <td>3R</td> <td>Single Pump</td> </tr> <tr> <td>338D PYPS2200</td> <td>3R</td> <td>Duplex Pump</td> </tr> <tr> <td>338E PYPS1100</td> <td>1</td> <td>Single Pump</td> </tr> <tr> <td>338F PYPS1200</td> <td>1</td> <td>Duplex Pump</td> </tr> <tr> <td>338G PYPS1100</td> <td>3R</td> <td>Single Pump</td> </tr> <tr> <td>338H PYPS1200</td> <td>3R</td> <td>Duplex Pump</td> </tr> <tr> <td>338X PYPS3000</td> <td>—</td> <td>(ALL)</td> </tr> </tbody> </table> 	PUMP SET MODEL #	NEMA RATING	PUMP CONFIG.	338A PYPS2100	1	Single Pump	338B PYPS2200	1	Duplex Pump	338C PYPS2100	3R	Single Pump	338D PYPS2200	3R	Duplex Pump	338E PYPS1100	1	Single Pump	338F PYPS1200	1	Duplex Pump	338G PYPS1100	3R	Single Pump	338H PYPS1200	3R	Duplex Pump	338X PYPS3000	—	(ALL)
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Option Code	Description
<p>339</p> <p>339-1-10 Single pole, 1ph, A/C - 10 Amp.</p> <p>339-1-15 Single pole, 1ph, A/C - 15 Amp.</p> <p>339-1-20 Single pole, 1ph, A/C - 20 Amp.</p> <p>339-1-30 Single pole, 1ph, A/C - 30 Amp.</p> <p>339-2-15 Double pole, 1ph, A/C - 10 Amp.</p> <p>339-3-15A 3-Phase, A/C, 230vac—15 Amp.</p> <p>339-3-15B 3-Phase, A/C, 460vac—15 Amp.</p> <p>339-DC All D/C motors - Up to 30 Amp.</p>	<p>DOOR INTERLOCK w/CIRCUIT BREAKER— Used to require power to pump set to be shut down before door may be opened. Circuit breaker sized to motor.</p>
<p>340</p>	<p>DRAIN PETCOCK VALVE— A gate valve that replaces threaded plug in end at bottom of tank</p>
<p>341</p> <p>341DW</p> <p>341RB</p>	<p>DRAIN, PIPED THROUGH SECONDARY CONTAINMENT AREA — The plumbing necessary to drain the inner tank through to the outside of a secondary containment area.</p> <p>For Double Wall tank configuration</p> <p>For Rupture Basin secondary containment</p>
<p>342</p>	<p>DRAIN, TANK BOTTOM— For Single Wall Tanks. (Plugged)</p>
<p>343</p>	<p>SIPHON DRAIN ASSEMBLY— The plumbing to siphon-drain most fuel from a day tank using a 2" tank top connection. Includes a Quarter-Turn Valve.</p>
<p>345</p>	<p>DRAIN, NOMINAL 10 GPM</p> <p>Includes a lockable 1/4-turn manual valve</p>
<p>350</p>	<p>DRAIN, EMERGENCY FOR REMOTE ACTUATION - An "Quick" drain at nominal 10gpm located at the bottom of a all tank. When a customer supplied signal is received opening a solenoid valve, the fuel is gravity drained from day tank. Light on control panel illuminates and pump-motor disconnects.</p>
<p>352</p> <p>352</p> <p>352WP</p> <p>352SL</p> <p>352WPSL</p>	<p>OIL COOLER — mounted on day tank for cooling hot fuel returned from engine. Low noise level.</p> <p><u>Installed on Day Tank</u></p> <p>Standard Oil Cooler Motor</p> <p>Standard Oil Cooler Motor with Weatherproof Motor</p> <p><u>Ship loose as part</u></p> <p>Standard Oil Cooler Motor</p> <p>Standard Oil Cooler Motor with Weatherproof Motor</p>
	<p>353</p>
<p>354</p>	<p>HIGH TEMPERATURE RETURN THERMOSTATIC VALVE — 1" NPT (Specify Temperature)</p>
<p>355</p> <p>355A</p> <p>355B</p> <p>355C</p>	<p>CHECK VALVE — installed on pump intake to prevent loss of pump prime</p> <p>1/2" (up to 6 gpm pumps)</p> <p>1" (up to 25 gpm pumps)</p> <p>1 1/2" (up to 65 gpm pumps)</p>
	

Option Code	Description
<p>360</p> <p>SOLENOID VALVE, Normally Closed (N/C) — Installed on tank inlet to prevent tank flooding and for other special applications.</p> <p>360/120-A 120vac Systems — ½" (up to 4 gpm pumps) 360/120-B 120vac Systems — 1" (up to 10 gpm pumps) 360/120-C 120vac Systems — 1½" (up to 23 gpm pumps) 360/120-D 120vac Systems — 2" (up to 40 gpm pumps)</p> <p>360/230-A 230vac Systems — ½" (up to 4 gpm pumps) 360/230-B 230vac Systems — 1" (up to 10 gpm pumps) 360/230-C 230vac Systems — 1½" (up to 23 gpm pumps) 360/230-D 230vac Systems — 2" (up to 40 gpm pumps)</p> <p>360/D12-A 12vdc Systems — ½" (up to 4 gpm pumps) 360/D12-B 12vdc Systems — 1" (up to 10 gpm pumps) 360/D12-C 12vdc Systems — 1½" (up to 23 gpm pumps) 360/D12-D 12vdc Systems — 2" (up to 40 gpm pumps)</p> <p>360/D24-A 24vdc Systems — ½" (up to 4 gpm pumps) 360/D24-B 24vdc Systems — 1" (up to 10 gpm pumps) 360/D24-C 24vdc Systems — 1½" (up to 23 gpm pumps) 360/D24-D 24vdc Systems — 2" (up to 40 gpm pumps)</p>	 <p>Normally for 1/2", 1", and 1-1/2" Solenoid Valves</p>  <p>Normally for 2" Solenoid Valves</p>
<p>361</p> <p>SOLENOID VALVE, 2", Normally Open (N/O) - for Remote Fill Panel (options #226 and #230) and other applications.</p> <p>361/120 120vac Systems 361/D12 12vdc Systems 361/D24 24vdc Systems</p>	
<p>362</p> <p>SOLENOID VALVE, Normally Open (N/O) — tank installed for Option #213 and other applications where inlet fuel control is required.</p> <p>362/120-A 120vac Systems — ½" (up to 4 gpm pumps) 362/120-B 120vac Systems — 1" (up to 10 gpm pumps) 362/120-C 120vac Systems — 1½" (up to 23 gpm pumps) 362/120-D 120vac Systems — 2" (up to 40 gpm pumps)</p> <p>362/230-A 230vac Systems — ½" (up to 4 gpm pumps) 362/230-B 230vac Systems — 1" (up to 10 gpm pumps) 362/230-C 230vac Systems — 1½" (up to 23 gpm pumps) 362/230-D 230vac Systems — 2" (up to 40 gpm pumps)</p> <p>362/D12-A 12vdc Systems — ½" (up to 4 gpm pumps) 362/D12-B 12vdc Systems — 1" (up to 10 gpm pumps) 362/D12-C 12vdc Systems — 1½" (up to 23 gpm pumps) 362/D12-D 12vdc Systems — 2" (up to 40 gpm pumps)</p> <p>362/D24-A 24vdc Systems — ½" (up to 4 gpm pumps) 362/D24-B 24vdc Systems — 1" (up to 10 gpm pumps) 362/D24-C 24vdc Systems — 1½" (up to 23 gpm pumps) 362/D24-D 24vdc Systems — 2" (up to 40 gpm pumps)</p>	 <p>Normally for 1/2", 1", and 1-1/2" Solenoid Valves</p>  <p>Normally for 2", A/C Solenoid Valves, and 1", 1-1/2", & 2" D/C Solenoid Valves</p>


Option Code	Description
<p>364</p> <p>SOLENOID VALVE w/MANUAL OVERRIDE, Normally Closed (N/C)</p> <p>364/120-A 120vac Systems — ½" (up to 4 gpm pumps) 364/120-B 120vac Systems — 1" (up to 10 gpm pumps) 364/120-C 120vac Systems — 1½" (up to 23 gpm pumps) 364/120-D 120vac Systems — 2" (up to 40 gpm pumps)</p> <p>364/230-A 230vac Systems — ½" (up to 4 gpm pumps) 364/230-B 230vac Systems — 1" (up to 10 gpm pumps) 364/230-C 230vac Systems — 1½" (up to 23 gpm pumps) 364/230-D 230vac Systems — 2" (up to 40 gpm pumps)</p> <p>364/D12-A 12vdc Systems — ½" (up to 4 gpm pumps) 364/D12-B 12vdc Systems — 1" (up to 10 gpm pumps) 364/D12-C 12vdc Systems — 1½" (up to 23 gpm pumps) 364/D12-D 12vdc Systems — 2" (up to 40 gpm pumps)</p> <p>364/D24-A 24vdc Systems — ½" (up to 4 gpm pumps) 364/D24-B 24vdc Systems — 1" (up to 10 gpm pumps) 364/D24-C 24vdc Systems — 1½" (up to 23 gpm pumps) 364/D24-D 24vdc Systems — 2" (up to 40 gpm pumps)</p>	 <p>Normally for 1/2", 1", and 1-1/2" Solenoid Valves Except 24 vdc</p>
<p>367</p> <p>MOTORIZED BALL VALVE — for Remote Fill Panel (options #226 and #230) and other applications.</p> <p>367/120-A 120 vac Systems — 2" NPT 367/120-B 120 vac Systems — 3" NPT</p> <p>367/D12-A 12 vdc Systems — 2" NPT 367/D12-B 12 vdc Systems — 3" NPT</p> <p>367/D24-A 24 vdc Systems — 2" NPT 367/D24-B 24 vdc Systems — 3" NPT</p> <p>367ALS AUXILIARY LIMIT SWITCH — for all #367 Motorized Ball Valves</p>	
<p>369</p> <p>MANUAL BALL VALVE, 1/4 Turn — installed on pump sets for component isolation.</p> <p>369A ½" NPT 369B 1" NPT 369C 1-½" NPT 369D 2" NPT</p>	
<p>370</p> <p>MANUAL BALL VALVE, 1/4 Turn — Manual cut off valve installed in fuel inlet that is primarily used for gravity-fed day tanks.</p> <p>370A ½" NPT (Ships loose — Wt: 2 lbs) 370B 1" NPT (Ships loose — Wt: 3 lbs) 370C 1-½" NPT (Ships loose — Wt: 6 lbs) 370D 2" NPT (Ships loose — Wt: 14 lbs)</p>	

Option Code	Description
<p>371</p> <p>371A .3 to 3 GPM (Ships loose—Wt. 4 lbs)</p> <p>371B 3 to 30 GPM (Ships loose—Wt. 5 lbs)</p>	<p>FLOW METER — An in-line meter to measure amount of fuel flow from main storage tank to day tank, 1" NPT</p> 
<p>372</p> <p>372R</p>	<p>FLOW SWITCH — An inline switch to detect “no fuel” In fuel line. Several events are possible, including pump and motor shut down and/or sounding an alarm. Closing the switch can be delayed, see option #373 below. (10 watts)</p> <p><i>For remote signal, add —</i></p> <p>REMOTE SIGNAL PROVISION, FLOW SWITCH — Components to provide a heavy-duty, remote signal of the Flow Switch (option #372). Includes dry terminal contacts for connection of customer supplied device up to 3 amp.</p>
<p>373</p>	<p>TIME DELAY RELAY— for option #372 with reset pump and motor shut down (10 amp)</p>
<p>374</p>	<p>FUSE-LINK VALVE (for fire safety) - Automatically closes fuel line when ambient temperature reaches 165° F—1" NPT. (Ships loose—Wt. 8 lbs)</p>
<p>375</p>	<p>FOOT VALVE — For installation in a <u>main storage tank</u> to prevent loss of pump prime, 1" NPT (Ships loose—Wt. 6 lbs)</p>
<p>376</p>	<p>FOOT VALVE — Installed in <u>day tank</u> to prevent loss of return pump prime and engine suction, 1" NPT</p>
<p>379</p> <p>379A 1" @ 50 psi — 20 gpm max.</p> <p>379B 1.5" @ 50 psi — 40 gpm max.</p> <p>379C 2" @ 50 psi — 120 gpm max.</p> <p>379D 2" @ 75 psi — 120 gpm max.</p>	<p>IN-LINE PRESSURE RELIEF BYPASS VALVE — Re-routes fuel when line pressure reaches that shown below for pipe size.</p> 
<p>380</p>	<p>PRESSURE RELIEF VALVE - installed on motor driven pump. Internal pressure relief</p>
<p>381</p>	<p>FLAME ARRESTOR - to protect from fire or explosion from exterior ignition source. (Ships loose — Wt. 4 lbs)</p>







MECHANICAL OPTIONS

PRYCO, INC.



Option Code	Description							
385 & 386	RUPTURE BASIN — Open top secondary containment tank, U/L Listed.							
TANK SIZE (U.S. GAL)	150% RUPTURE BASINS			200% RUPTURE BASINS			200% RUPTURE BASINS for DOUBLE WALL TANKS	
	OPTION CODE (150%)	WEIGHT (Lbs) Standard & Manual Day Tanks	WEIGHT (Lbs) Trim Day Tanks	OPTION CODE (200%)	WEIGHT (Lbs) Standard & Manual Day Tanks	WEIGHT (Lbs) Trim Day Tanks	OPTION CODE (D/W 200%)	WEIGHT
5-10	385/01	76	58	386/01	87	77	385DW/01	(Same As 200% Rupture Basins Shown To The Left)
15	385/02	86	N/A.	386/02	87	N/A	385DW/02	
25	385/03	93	123	386/03	108	105	385DW/03	
50	385/04	161	135	386/04	169	169	385DW/04	
60	385/05	172	165	386/05	183	183	385DW/05	
75	385/06	198	182	386/06	207	210	385DW/06	
100	385/07	223	206	386/07	249	247	385DW/07	
150	385/08	274	N/A	386/08	325	N/A	385DW/08	
200	385/09	396		386/09	457		385DW/09	
275	385/10	468		386/10	531		385DW/10	
300	385/11	485		386/11	537		385DW/11	
400	385/12	537		386/12	603		385DW/12	
500	385/13	640		386/13	652		385DW/13	
600	385/14	718		386/14	694		385DW/14	
700	385/15	785		386/15	743		385DW/15	
800	385/16	854		386/16	791		385DW/16	
900	385/17	911		386/17	840		385DW/17	
1000	385/18	992	386/18	888	385DW/18			
395	LEAK DETECTOR FOR RUPTURE BASINS OF TANKS WITH PUMP and MOTOR - A sensor within the Rupture Basin containment area that upon detection of a leak will turn on a red alarm light on control panel and will shut down pump motor. Includes dry terminal contacts for connection of customer supplied device up to 15 amp.							
395M	LEAK DETECTOR FOR RUPTURE BASINS OF MANUAL OR SUB-BASE TANKS — A sensor within the Rupture Basin containment area that upon detection of a leak will turn on a red alarm light on control panel. Includes dry terminal contacts for connection of customer supplied device up to 15 amp.							

Option Code	Description
<p>397</p> <p>REMOTE PUMPING UNIT (RPU) — A Weatherproof (NEMA 3R) base and enclosure used to re-locate the pumping system from a day tank to a point between the day tank and the main storage tank to extend the distance from a main storage tank. Another application for an RPU is in a Remote Fill Panel configuration.</p> <p>The SINGLE Pumping System includes a 1/3 HP, 115 VAC, 1-Phase, 60 Hz motor and a 2 GPM bronze pump (standard pump and motor) that normally would be located on the day tank top. The DUPLEX Pumping System includes two standard pumps and motors; the TRIPLEX has three and the QUAD has four. Each pump of a multi-pump system may be assigned either supply or return duty. Optionally, pumps and motors other than the standard configurations described above may be specified as replacements of the standard ones.</p> <p>Optional check and solenoid valves, if attached to fuel inlet, may also be located on the RPU platform. Note — a Pump Set must be specified if one or more other accessories, such as: fuel filter, strainers, flow switches and meters, gauges, isolation and by-pass valves, etc. are to be included. (see Pump Set section of this catalog.)</p> <p><u>24" wide x 12" deep—For up to 8 gpm pumps</u></p> <p>397-12A SINGLE Remote Pump Unit Base & Cover 397-12B DUPLEX Remote Pump Unit Base & Cover 397-12C TRIPLEX Remote Pump Unit Base & Cover 397-12D QUAD Remote Pump Unit Base & Cover</p> <p><u>24" wide x 18" deep—For up to 23 gpm pumps</u></p> <p>397-18A SINGLE Remote Pump Unit Base & Cover 397-18B DUPLEX Remote Pump Unit Base & Cover 397-18C TRIPLEX Remote Pump Unit Base & Cover 397-18D QUAD Remote Pump Unit Base & Cover</p> <p><u>24" wide x 24" deep—For up to 40 gpm pumps</u></p> <p>397-24A SINGLE Remote Pump Unit Base & Cover 397-24B DUPLEX Remote Pump Unit Base & Cover 397-24C TRIPLEX Remote Pump Unit Base & Cover 397-24D QUAD Remote Pump Unit Base & Cover</p>	 <p>397-12B Duplex RPU (Weatherproof Cover Removed)</p>
<p>398</p>	<p>REMOTE READING LEVEL GAUGE — 12 and 24vdc - for remote monitoring of fuel level up to 300' max. distance.</p>
<p>399</p>	<p>REVERSE FLOW CONTROLLER — to pump fuel from Day Tank back to main storage tank. Requires separate pump and motor (specify size). Includes float switch and pipe stems.</p>

BRONZE PUMPS

Option Code	Description	
400	PUMP, BRONZE — 8 GPM (Replaces Pryco's standard 2 GPM pump) Requires at least 1/2 HP motor	
401	PUMP, BRONZE — 4 GPM (Replaces Pryco's standard 2 GPM pump) Requires at least 1/3 HP motor	
402	PUMP, BRONZE — 2 GPM (Pryco's Standard Pump) Requires at least 1/3 HP motor	
403	PUMP, BRONZE — 10 GPM (Replaces Pryco's standard 2 GPM pump) Requires at least 3/4 HP motor	
404	PUMP, BRONZE — 23 GPM (Replaces Pryco's standard 2 GPM pump) Requires at least 1 HP motor	
405	PUMP, BRONZE — 40 GPM (Replaces Pryco's standard 2 GPM pump) Requires at least 2 HP at 1200 RPM motor	



CAST IRON PUMPS

Option Code	Description	
PCI03	PUMP, CAST IRON — 3 GPM, 1/2" Ports Requires at least 1/3 HP motor	 Typical Cast Iron Pump
PCI06	PUMP, CAST IRON — 6 GPM, 1/2" Ports Requires at least 1/2 HP motor	
PCI13	PUMP, CAST IRON — 13 GPM, 1" Ports Requires at least 1 HP motor	
PCI15	PUMP, CAST IRON — 15 GPM, 1-1/4" Ports Requires at least 1-1/2 HP motor	
PCI25	PUMP, CAST IRON — 25 GPM, 1-1/2" Ports Requires at least 3 HP motor	
PCI62	PUMP, CAST IRON — 62 GPM, 1-1/2" Port Requires at least 5 HP motor	 Typical Cast Iron Pump w/Pressure Relief
PCI03R	PUMP, CAST IRON w/PRESSURE RELIEF— 3 GPM, 1/2" Ports Requires at least 1/3 HP motor	
PCI06R	PUMP, CAST IRON w/PRESSURE RELIEF— 6 GPM, 1/2" Ports Requires at least 1/2 HP motor	
PCI13R	PUMP, CAST IRON w/PRESSURE RELIEF— 13 GPM, 1" Ports Requires at least 1 HP motor	
PCI15R	PUMP, CAST IRON w/PRESSURE RELIEF— 15 GPM, 1-1/4" Ports Requires at least 1-1/2 HP motor	


DUPLEX PUMPS & MOTORS

Option Code	Description
427	DUPLEX (Second Standard) PUMP and MOTOR ASSEMBLY — A second 2 GPM pump, a <i>Thermal Protected</i> motor (1/3 HP, 115vac, 1 PH, 60 Hz) and a second float switch. The first pump-motor (always the “lead”) begins operating at 86% of usable fuel capacity; the second pump-motor (always the “lag”) begins operating to assist the lead pump when fuel drops to 82% of usable fuel capacity. Both pump-motors shut off at 100% capacity.
427A	AUTOMATIC TRANSFER SWITCH — A switching system to automatically alternate each pump-motor (of option #427) into the lead starting position. (At the 82% and lower levels, both will operate.) Includes: Option # 427, a pump “RUN-OFF-AUTO” mode selector switch, and a “Pump Running” amber light for each pump-motor
427B	MANUAL TRANSFER — A switching system to manually alternate each pump-motor (of option 427) into the lead starting position. (At the 82% and lower levels, both will operate.) Includes: Option #427, a manual transfer switch, and a motor run-time meter included for each pump-motor.

HAND PUMPS

Option Code	Description	
461	HAND PUMP, PISTON TYPE — 5 strokes per gallon; Equipped with TFE piston cups; Operating temperature of -25° to 200°F; Dual Action—Dispenses on each stroke; and, Self-priming w/up to 20 ft of lift. Hand pump check valve and motor pump check valve included.	
462	HAND PUMP, ROTARY - High flow (10 rotations per gallon; 2 per liter); All cast-iron housing with stainless steel shaft & strainer; Malleable iron pump handle with rotating grip for ease of use; Self-adjusting spring-loaded carbon vanes give smooth operation; Internal check valve allows immediate dispensing; Built-in stainless steel strainer. Hand pump check valve and motor pump check valve included.	

OTHER ITEMS

Option Code	Description	
442	MOTOR STARTER - 3 PH , 130 watt control transformer and heater. Motor Starters and Control Transformers are included with all 3-Phase motors.	
443	MOTOR STARTER - 1 PH	
463	STANDARD PUMP and MOTOR — A coupled 2 GPM bronze pump (Option # 402) and a 1/3 HP, 120 vac, 1 PH, 60 Hz motor (Option #414) purchased separately	
464	PIPE STEM — (set of two) for engine suction and return	
465	ENCLOSED INDUSTRIAL CONTROL PANEL — A heavy gauge steel enclosure that meets U/L requirements (Label #508). Only U/L Listed components are used within. These components the make up various day tank accessories include: contactors, relays, sockets, lights, and switches, even the wire and connectors.	

MOTORS—A/C & D/C

PRYCO, INC.

OPTION CODE	A/C D/C	VOLTAGE	PH	CYCLE	THERMAL PROTECT	COMMENT
1/4 HP Motors						
410	D/C	12				
411	D/C	24-28				
1/3 HP Motors						
414	A/C	115	1	60	YES	(Pryco's Standard Motor)
424	A/C	115	1	60	YES	Totally Enclosed, Fan Cooled
425	A/C	115	1	60	YES	Explosion Proof
426	A/C	115	1	50	YES	
428	A/C	230	1	60	YES	
429	A/C	230	1	50	YES	
433	A/C	230/460	3	60	NO	
1/2 HP Motors						
440	D/C	12				
441	D/C	24-28				
444	A/C	115	1	60	YES	
445	A/C	115	1	60	YES	Totally Enclosed, Fan Cooled
446	A/C	115	1	60	YES	Explosion Proof
447	A/C	115	1	50	YES	
448	A/C	230	1	60	YES	
449	A/C	230	1	50	YES	
451	A/C	230	3	60	NO	Totally Enclosed, Fan Cooled
452	A/C	460	3	60	NO	
454	A/C	230	3	60	NO	
3/4 HP Motors						
434	A/C	115	1	60	YES	Explosion Proof
435	A/C	230/460	3	60	NO	Explosion Proof
455	A/C	115	1	60	YES	
456	A/C	230/460	3	60	NO	
1 HP Motors						
436	A/C	115	1	60	YES	Explosion Proof
437	A/C	230/460	3	60	NO	Explosion Proof
457	A/C	115	1	60	YES	
458	A/C	230/460	3	60	NO	
2 HP Motors						
459A	A/C	230	3	60	NO	Totally Enclosed, Fan Cooled
459B	A/C	460	3	60	NO	Totally Enclosed, Fan Cooled

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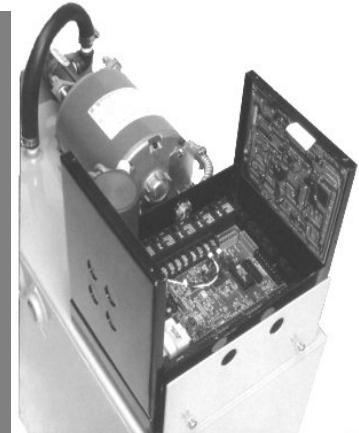
The content of this catalog is subject to change without notification.

OP-27

FUEL CONTROL MONITORING (FCM) SYSTEM

The **FUEL CONTROL and MONITORING (FCM)** system, is totally solid state electronic except for a fail-safe critical high fuel level switch. The **FCM** system uses an ultra-sonic sensor to accurately determine the level of the fuel. It is specially designed for Pryco for this type of environment.

Through electronic “action levels” the **FCM** controls the activities of up to four pumps and motors (Fill or Reverse Flow). It also controls and provides a signal for a full array of external alarms and similar devices based upon predetermined levels. The action levels shown in the table below represent a “normal” setup — changes may be made providing the integrity of a sequence of operation is not violated.



ACTION LEVELS (Inches From Top Inside)

ACTION LEVEL	PY5 - PY10	PY15	PY25	PY50	PY60	PY75 - PY150	PY200 - PY1000
Top Of Tank	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Safety High Level	3.0	3.0	3.0	3.0	3.0	3.0	3.0
High Fuel Level	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Secondary Reverse Flow - ON ^[1]	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Primary Reverse Flow - ON ^[1]	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Fill Pumps - OFF (100% Full)	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Reverse Pumps - OFF ^[1]	5.5	6.0	6.0	6.0	6.0	6.0	6.0
Primary Fill Pump - ON	6.0	8.0	8.0	8.0	8.0	8.0	10.0
Secondary Fill Pump - ON ^[1]	6.5	10.0	10.0	10.0	10.0	10.0	14.0
Low Fuel Level	7.0	12.0	14.0	14.0	14.0	14.0	18.0
Critical Low Level ^[1]	8.0	14.0	19.0	26.0	34.0	39.0	44.0
Dry Tank Protection Level	9.5	15.5	20.5	27.5	35.5	40.5	45.5
Empty Tank (0%)	12.5	18.5	23.5	30.5	38.5	43.5	48.5

[1] If installed

STANDARD FEATURES

• Ultra-Sonic Sensor - 4-20 ma	• Control Panel Alarm Reset Switch
• 24vdc Input For Continuous Operation	• Control Panel Alarm Silence Switch
• Power Available LED	• Safety High Switch w/Fill Motor Shut Off
• System Ready LED	• High Fuel Level Notification
• Electronic Fuel Gauge	• Low Fuel Level Notification
• HOA Switches	• “Dry Tank” Prevention
• Control Panel System Test Switch	• Secondary Containment Leak Detection

The **FCM** system is designed to allow it to be mounted on a day tank, subbase tank, or a remote pumping unit. It may be off-mounted to a wall unit, etc., provided the sensor is tank mounted.

FCM and RELATED OPTIONS

Option Code	Description
700	FUEL CONTROL AND MONITORING SYSTEM — electronic circuit boards, ultra-sonic sensor, and related components to control and monitor all activities on the fuel system.
706	CRITICAL LOW LEVEL ALARM — Activates red light on control panel, provides signal for remote annunciation and engine shut down (prevents loss of engine fuel prime).
734	COVER — for single pump and motor controlled by FCM.
727	DUPLEX <u>FILL</u> PUMP and MOTOR — (addition to standard pump and motor) secondary “lag” pump/motor system to back-up primary “lead” pump/motor. Normally the lead pump/motor begins operation at 86% usable fuel capacity; the lag system begins at 82%. Both systems turn off at 100% capacity.
727A	DUPLEX <u>FILL</u> PUMP and MOTOR w/AUTOMATIC ALTERNATING LEAD/LAG — Same as Option 727 with a switch to automatically alternate each pump/motor into the lead starting position.
773	PUMP(s) FAIL DETECTION w/AUTOMATIC and MANUAL RESET — Includes: the control panel switch, an in-line flow switch, and other required items necessary to detect, report, and reset a “no fuel in line” condition (one per pump). A flow switch, option #372, is required.
780	FCM POWER SUPPLY PROTECTION — Line Conditioner and noise suppression with battery backup to protect FCM electronics and circuits from damaging “brown outs” and spikes.
799	<u>REVERSE FLOW</u> CONTROLS for OPTIONAL PUMP and MOTOR — Controls and piping necessary for a reverse flow single pump/motor (sold separately) to pump fuel back to main storage tank to prevent overflow. This system begins operation at a level above the fill pump(s) normal turn-off point.
799A	DUPLEX <u>REVERSE FLOW</u> PUMP and MOTOR w/AUTOMATIC ALTERNATING LEAD/LAG — Two sets of controls and piping necessary for two reverse flow pumps/motors to pump fuel back to main storage tank to prevent overflow. (The pumps and motors are sold separately.) The “lead” system begins operation at a level above the fill pump(s) turn-off point – the “lag” system begins at a level above the lead system (provides assistance and backup).

Option Code	Description
800	<p>EVOLUTION PLC SYSTEM — Tank mounted, Programmable Logic Controller (PLC) based system designed to control and monitor the activities of up to four pumps and motors. Standard Features include:</p> <ul style="list-style-type: none"> * 120/240 VAC Input Voltage * Ultra-Sonic Sensor * Color LED Touchscreen HMI * Graphic Fuel Gauge Notification * Power Available LED * HOA Switches * Historical Log * Modbus Protocol * Critical High Switch w/Fill Motor Shut Off * High Fuel Level Notification * Low Fuel Level Notification * Critical Low Level * Secondary Containment Leak Detection * Discrete N.O. Contacts For All Alarms * Control Panel Alarm Silence Switch
805 805-32 805-64	<p>MEMORY MODULE— for program upgrade as necessary</p> <p>32K of Memory 64K of Memory</p>
810 810-485 810-WEB	<p>COMMUNICATIONS MODULE for PLC — Directs Logic Controller output downstream to in-house building management systems</p> <p>RS485/RS232 (distance rating: RS232—50 Feet, RS485—656 feet) WEB Server Module for remote maintenance</p>
812	<p>BLACK-BOX CONVERTER — RS485 to RS232 (Used only if customer does not have RS485 connection.)</p>
815	<p>ANALOG MODULE — (2 each) 4-20 MA Output</p>
820 820-DB9-06 820-SHL-12	<p>CABLES</p> <p>Cable w/DB9 Male/Female connectors—6 feet Cable, Bulk Shielded, Low Capacity, 4 conductor—12 feet</p>
827	<p>DUPLEX SUPPLY SYSTEM (PLC CONTROLLED) — additional secondary controls, piping and standard 2 GPM pump & 1/3 HP motor “lag” system to back-up primary “lead” pump/motor. Normally the lead pump/motor begins operation at 86% usable fuel capacity; the lag system begins at 82%. Both systems turn off at 100% capacity.</p>
827A	<p>DUPLEX SUPPLY SYSTEM w/AUTOMATIC LEAD/LAG PUMP SWAP (PLC CONTROLLED) — Same as Option 827 plus HOA switching capability to automatically alternate each pump/motor into the lead starting position.</p>
827B	<p>DUPLEX SUPPLY SYSTEM w/MANUAL LEAD/LAG PUMP SWAP (PLC CONTROLLED) — Same as Option 827 plus switching capability to manually alternate each pump/motor into the lead starting position.</p>
830	<p>SOFTWARE — WindSRV™ for in-house building management system’s PC drivers</p>

EVOLUTION OPTIONS CONTINUED NEXT PAGE

Option Code	Description
834 834-1 834-2 834-3 834-4	COVER (DAY TANK w/PLC)—NEMA-1 ENCLOSURE for PLC TANK MOUNTED SYSTEMS SINGLE pump and motor (replaces the single pump/motor cover that is standard equipment for all day tanks). DUPLEX (2) pumps, motors, and control components. This cover is standard equipment for duplex supply pumps & motors with Options 827, 827A, or 827B. TRIPLEX (3) pumps, motors, and control components. QUAD (4) pumps, motors, and control components.
835	WEATHERPROOFING For OPTION 834 SERIES COVERS - A NEMA 3R rated enclosure to provide protection against normal weather elements. The control panel viewing area is covered with sealed plexi glass and all openings are piped-through. Inside, a pan provides protection from flooding.
850 850-W10 850-W12	REMOTE OPERATOR INTERFACE (HMI) - requires wall mounting box Color LCD Touch Screen—10.4" Color LCD Touch Screen—12.1"
870 870-1620-1 870-2020-3R 870-1616-4 870-1620-4S	ENCLOSURE, WALL MOUNT — for locating all PLC components, except the ultrasonic sensor, from tank mount NEMA 1 enclosure (16" x 20" x 8.75") NEMA 3R enclosure (20" x 20" x 8") NEMA 4-12 enclosure (16" x 16" x 8") NEMA 4-12 enclosure w/security window (16" x 20" x 8")
873	PUMP FAIL DETECTION — w/manual reset (requires an inline Flow Switch to detect "no fuel" In fuel line, Option #372).
880	POWER SUPPLY PROTECTION - provides surge protection of delicate PLC components high rating capacity, thermal protected
899-1	PLC CONTROLS and PLUMBING (SINGLE) — controls and tank plumbing required for a single reverse flow pump and motor to pump fuel back to main tank. *
899-2	PLC CONTROLS and PLUMBING (DUPLEX) — controls and tank plumbing required for two reverse flow pumps and motors to pump fuel back to main tank. *
899A	PLC CONTROLS and PLUMBING for DUPLEX REVERSE FLOW SYSTEM w/ AUTOMATIC LEAD/LAG PUMP SWAP — Same as Option 899-2 with a HOA switch to automatically alternate each pump/motor into the lead starting position. *
899B	PLC CONTROLS and PLUMBING for DUPLEX REVERSE FLOW SYSTEM w/ MANUAL LEAD/LAG PUMP SWAP — Same as Option 899-2 with a switch to manually alternate each pump/motor into the lead starting position. *

*** Pumps and Motors must be ordered separately for Options 899-1, 899-1 899A and 899B**

BATTERY BOXES

Hinged, lockable, weatherproof enclosure with handles

Option Code	SIZE
BB01	12" W x 23" L x 12" H (1 - 4D or 1 8D)
BB02	12" W x 44" L x 12" H (2 - 4D or 2 - 8D)
BB03	12" W x 44" L x 12" H w/HEAT PANEL - 100 watt, 115vac
BB04	12" W x 44" L x 12" H w/HEAT PANEL and THERMOSTAT - 100 watt, 115vac

Shown here are a few of the more common asked for sizes and styles — We will design and build Battery Boxes and Frames, both basic and seismic to your specification and battery types.



Battery Box



Standard Battery Frame



Seismic Battery Frame
Floor & Battery Bolt-Down

BATTERY FRAMES

Formed 7-gauge; Standard frames are 4" high, Painted flat black or industrial color of choice.

Option Code	SIZE
BF01	STANDARD BATTERY FRAME — 10" x 22" for one Group 4D Battery
BFS01	SEISMIC BATTERY FRAME — 10" x 22" for one Group 4D Battery
BF02	STANDARD BATTERY FRAME — 12" x 22" for one Group 8D Battery
BSF02	SEISMIC BATTERY FRAME — 12" x 22" for one Group 8D Battery
BF03	STANDARD BATTERY FRAME — 10" x 44" for two Group 4D Battery
BFS03	SEISMIC BATTERY FRAME — 10" x 44" for two Group 4D Battery
BF04	STANDARD BATTERY FRAME — 12" x 44" for two Group 8D Battery
BSF04	SEISMIC BATTERY FRAME — 12" x 44" for two Group 8D Battery



PRYCO, INC.

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PARTS MANUAL

The parts listed in this section represent those that are more commonly requested. Many other parts are available. If you do not see your part here, please call our factory (217-364/4467).

Description

CONTACTOR, 2-N/C, 2-N/O

Select part number from these control voltages when ordering:

#P0179 — 120vac #P0182 — 230vac #P0180 — 12vdc #P0181 — 24vdc

CONTACTOR, 4-N/O

Select part number from these control voltages when ordering:

#P0183 — 120vac #P0186 — 230vac #P0184 — 12vdc #P0185 — 24vdc

CONTACTOR, DEFINITE PURPOSE, 30 Amp, 3-Pole

Specify Part #P0178 (Part #P2922 for 208-240vac, 60 Hz or 220 vac, 50 Hz)

CONTROL PANEL, STANDARD w/Black Vinyl Decal

Specify Part #P0748

DECAL, BLACK VINYL (For Control Panel)

Specify Part #P1463

CONTROL TRANSFORMER for Motor Starters

#P1565 — 30va, 120vac-240vac, w/Fuse	#P2974 — 50va, 380/400/415, 3-Ph, 110x220vac
#P0187 — 50va, 480/240, 3-Ph, 120vac	#P1867 — 50va, 575/600, 3-Ph, 120vac
#P1429 — 50va, 208/277, 3-Ph, 120vac	#P1459 — 75va, 480/240, 3-Ph, 120vac
#P2927 — 100va, 208/277, 3-Ph, 120vac	#P2975 — 100va, 380/400/415, 3-Ph, 110x220vac
#P1177 — 100va, 480/240, 3-Ph, 120vac	#P1661 — 150va, 480/240, 3-Ph, 120vac
#P1279 — 200va, 480/240, 3Ph, 120vac	#P1763 — 250va, 208/230/460, 3Ph, 120vac
#P1759 — 250va, 480/240, 3Ph, 120vac	#P1909 — 350va w/Fuse
#P2833 — 1000va, 208/277vac 120vac50/60hz	#P1608 — 1000va, 277, 3Phs-115v,w/Fuse

COUPLING (LOVEJOY), Pump / Motor (Includes 2 hubs and 1 rubber spider)

#P1877 — 3/8", (L050) w/ 3/32" Keyway	#P2846 — 3/4", (L095), Tuthill Pumps
#P1682 — 7/16", (L050), Tuthill Pumps	#P2463 — 3/4", (L099)
#P2473 — 7/16", (L075) No KW, Tuthill Pumps	#P1385 — 7/8", (L075) With Std.KW
#P1727 — 7/16", (L095) - No Key Way	#P0668 — 7/8", (L095)
#P0659 — 5/8", (L050) With Keyway, Std.	#P1910 — 1", (L100)
#P0660 — 5/8", (L070)	#P1577 — 1-1/8", (L095)
#P2067 — 5/8", (L075) w/KW, Tuthill	#P1261 — 1-1/8", (L099)
#P1250 — 5/8", (L095)	
#P0657 — 1/2", (L050) (Std.)	
#P0658 — 1/2", (L070)	
#P1726 — 1/2", (L095)	

Description

FUEL LEVEL GAUGE REPAIR KIT

- #P1029 — Rochester , Replaceable Unit for Day Tanks (Side Viewing)
- #P1030 — Rochester , Replaceable Unit for Sub-Base Tanks (Top Viewing)
- #P1031 — Krueger “At-A-Glance”, includes Red Float Indicator, Gauge Cover, Locknut, & Gasket

GAUGE, FUEL LEVEL, KELCH — 0 for Sub-Base Tanks (Measure Stem Only)

- | | | |
|--------------|---------------|---------------|
| 6"....#P0016 | 10"....#P0018 | 18"....#P0348 |
| 7"....#P0380 | 12"....#P0020 | 20"....#P0349 |
| 8"....#P0017 | 14"....#P0346 | 22"....#P0350 |
| 9"....#P2864 | 16"....#P0347 | 24"....#P0351 |



GAUGE, FUEL LEVEL, KRUEGER — “At-A-Glance” for Non-U/L Day Tanks (Measure Stem Only)

- | | |
|----------------------------|--------------------------------|
| 5".....#P0021 | 38"....#P0993 for PY60 |
| 12"....#P0136 for PY5—PY10 | 44"....#P0355 for PY75—PY150 |
| 18"....#P0352 for PY15 | 46"....#P1994 for PY200—PY1000 |
| 24"....#P0353 for PY25 | 50"....#P0356 |
| 31"....#P0354 for PY50 | |



GAUGE, FUEL LEVEL, ROCHESTER (SIDE VIEW) — U/L for Day Tanks (Measure Stem Only)

- | | |
|----------------------------|--------------------------------|
| 10"....#P0146 for PY5—PY10 | 36"....#P0368 for PY60 |
| 17"....#P0369 for PY15 | 41"....#P0366 for PY75—PY150 |
| 22"....#P0147 for PY25 | 46"....#P0367 for PY200—PY1000 |
| 28"....#P0148 for PY50 | |



GAUGE, FUEL LEVEL, ROCHESTER (TOP VIEW) — U/L for Sub-Base Tanks (Measure Stem Only)

- | | | |
|---------------|---------------|---------------|
| 5".....#P1153 | 16"....#P0359 | 28"....#P0364 |
| 6".....#P0140 | 18"....#P0360 | 32"....#P0986 |
| 8".....#P0142 | 20"....#P0361 | 34"....#P0987 |
| 10"....#P0143 | 22"....#P0362 | 36"....#P0365 |
| 12"....#P0357 | 24"....#P0363 | |



Description

GASKET, OBERDORFER BRONZE PUMP—Teflon

#P1570 — Pump Model #N990
 #P0661 — Pump Model #N991

#P0662 — Pump Model #N992 & N993
 #P0664 — Pump Model #N994

GASKET, INSPECTION PLATE

#P0160 — 2 ¼" x 4 ¼" (PY5)
 #P1073 — 5 ½" x 6 ¼" (Trim Day Tanks)

#P0162 — 6 ½" x 6 ½" (Standard & Manual Day tanks)

INSPECTION PLATE w/GASKET

#P0742 — 2 ¼" x 4 ¼" (PY5)
 #P0161 — 5 ½" x 6 ¼" (Some Trim Day Tanks)

#P0743 — 6 ½" x 6 ½" (All Day tanks & Some Trim Tanks)

LIGHT w/BASE—Rectangular

AMBER..... #P0071 — 120vac
 GREEN..... #P0075 — 120vac
 RED..... #P0078 — 120vac

#P0074 — 250vac
 #P1508 — 250vac
 #P1506 — 250vac

#P0072 — 14vdc
 #P0076 — 14vdc
 #P0079 — 14vdc

#P0073 — 28vdc
 #P0077 — 28vdc
 #P0080 — 28vdc

LIGHT w/BASE—Round

AMBER..... #P0975 — 120vac
 GREEN..... #P0978 — 120vac
 RED..... #P0981 — 120vac

#P1731 — 250vac
 CALL — 250vac
 #P1732 — 250vac

#P0976 — 14vdc
 #P0979 — 14vdc
 #P0982 — 14vdc

#P0977 — 28vdc
 #P0980 — 28vdc
 #P0983 — 28vdc

RELAY, Flat Spade Connector (See Socket, Flat Spade for Base)

	<u>8-Spade</u>	<u>14-Spade</u>		<u>8-Spade</u>	<u>14-Spade</u>
120vac...	#P1961	#P1963	12vdc...	CALL	CALL
240vac...	CALL	CALL	24vdc...	#P2051	CALL



8 Spade Relay



14 Spade Relay

RELAY, Round Pin Connector (See Socket, Round Pin for Base)

	<u>8-Pin</u>	<u>11-Pin</u>
120vac.....	#P0098	#P0287
240vac.....	#P1475	#P2527
12vdc.....	#P0284	#P0288
24vdc.....	#P0285	#P0289
48vdc.....	#P0286	#P1404



8 Pin Round Connector Relay



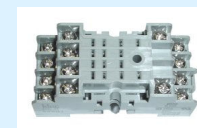
11 Pin Round Connector Relay

RELAY BASE / SOCKET, Flat Spade

8-Spade..... #P1962
 14-Spade..... #P1964



8 Pin Flat Spade Base/Socket



14 Pin Flat Spade Base/Socket

RELAY BASE / SOCKET, Round Pin

8-Pin..... #P0296
 11-Pin..... #P0297



8 Pin Round Base/Socket



11 Pin Round Base/Socket

Description

SENSOR, FUEL LEVEL

#P0294 — Standard (Top Mount) #P0964 — Side Mount
 #P1013 — Side Mount—Feed Thru Secondary Containment

SIGHT GLASS (for option 326)

Glass Tube #P0159 — 48" #P1671 — 66" #P2383 — 72"
 Protective Rod #P0170 — (Length as Needed)

SOLENOID VALVE — , Normally/Closed (N/C) - (Options 360 & 365)

120vac/60 or 110vac/50 ...	#P0325 — ½"	#P0334 — 1"	#P2350 — 1 ½"	#P1095 — 2"
240vac/60 or 220vac/50 ...	#P1229 — ½"	#P1134 — 1"	CALL — 1 ½"	CALL — 2"
12vdc	#P0326 — ½"	#P0355 — 1"	CALL — 1 ½"	CALL — 2"
24vdc	#P0327 — ½"	#P0336 — 1"	#P2063 — 1 ½"	#P1604 — 2"

SOLENOID VALVE — , Normally/Open (N/O) - (Options 213, 361, & 362)

120vac/60 or 110vac/50 ...	#P0322 — ½"	#P0332 — 1"	#P1339 — 1 ½"	#P0333 — 2"
240vac/60 or 220vac/50 ...	#P1213 — ½"	#P1728 — 1"	CALL — 1 ½"	CALL — 2"
12vdc	#P0323 — ½"	CALL — 1"	CALL — 1 ½"	#P0948 — 2"
24vdc	#P0324 — ½"	CALL — 1"	CALL — 1 ½"	#P0949 — 2"

SOLENOID VALVE w/MANUAL OVERRIDE — , Normally/Closed (N/C) - (Option 366)

120vac/60 or 110vac/50 ...	#P0328 — ½"	#P0337 — 1"	#P1832 — 1 ½"	#P1944 — 2"
240vac/60 or 220vac/50 ...	#P1965 — ½"	CALL — 1"	CALL — 1 ½"	CALL — 2"
12vdc	#P0329 — ½"	#P0338 — 1"	CALL — 1 ½"	CALL — 2"
24vdc	#P0330 — ½"	#P0339 — 1"	CALL — 1 ½"	CALL — 2"

SPIDER, HARD RUBBER for Lovejoy Couplings

#P0666 — L050	#P0667 — L070	#P2066 — L075 (For Tuthill Pumps)
#P0669 — L095	#P1262 — L099	#P2166 — L0100

SWITCH

#P0304 — Press-To-Test (Standard—Rectangular) #P0974 — Press-To-Test (Round)
 #P0305 — Pump RUN-AUTO-OFF (Options 202 & 427A)

TERMINAL BLOCK

Standard ... #P0006 — 2 Position #P0007 — 4 Position #P0008 — 6 Position #P0009 — 8 Position
 30 Amp D/C Motors #P2038 — 2 Position #P2039 — 4 Position #P1618 — 6 Position
 50 Amp D/C Motors #P2973 — 2 Position

TIMER, ELAPSED TIME INDICATOR — Hours

#P0321—120vac #P1507—240vac #P0962—12vdc #P0963—24vdc

WELD FLANGE (Ships Loose)

#P0157 — ¼"	#P0370 — ⅜"	#P0158 — ½"	P0371 — ¾"	P0372 — 1"	P0373 — 1 ¼"
#P0374 — 1 ½"	#P0375 — 2"	#P0376 — 2 ½"	P0377 — 3"	P0378 — 4"	P0379 — 6"