

Pumped Remote Fill

Small and powerful, the pumped remote fill has no footprint as it may be flush or surface mounted.

With the ability to pump more than 230 vertical feet, very few applications will exceed its specification.



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The pumped remote fill is unique in its small 2 x 2 x 2 size. Small but powerful, the pumped remote fill is for applications that exceed 4 stories, which is the practical pressure limit for a diesel fuel delivery truck. The pumped remote fill unit is pre-assembled and factory tested. It is paired with a matching control panel with status indicating lights and a motor starter. The unit may be ordered for flush or surface mount. Flush mount is pictured.

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Pumped Remote Fill

Specifications

DIMENSIONS	24 X 24 X 24 Flush mount unit has 2 inch flange on all sides.
WEIGHT	85 lbs.
CONSTRUCTION	Welded steel construction with Lok Ring piping (ASME B31.1 compliant). The unit includes a kamvalock fitting and dust cover.
CONTROLS	Ships with matching remote fill control panel.
UL LISTING	UL 508
CAPACITY	18 gpm at 100 psi, 20 gpm at 50 psi, 3 HP motor.
POWER REQUIRED	120 volts, dedicated circuit at control panel. 3 HP, 408 volt, three phase line power circuit to starter in control panel. 480 volt, three phase load wiring required from control panel to remote fill.

Ordering Information

PART #: PRF3

PUMPED REMOTE FILL ASSEMBLY INCLUDES:

- Dry disconnect and dust cover.
- Remote fill panel with pump, silence switch, fill enable switch, light and horn.
- Remote fill control panel, single tank, shipped loose.
- Level probe for tank, shipped loose.
- Two leak detectors, shipped loose.

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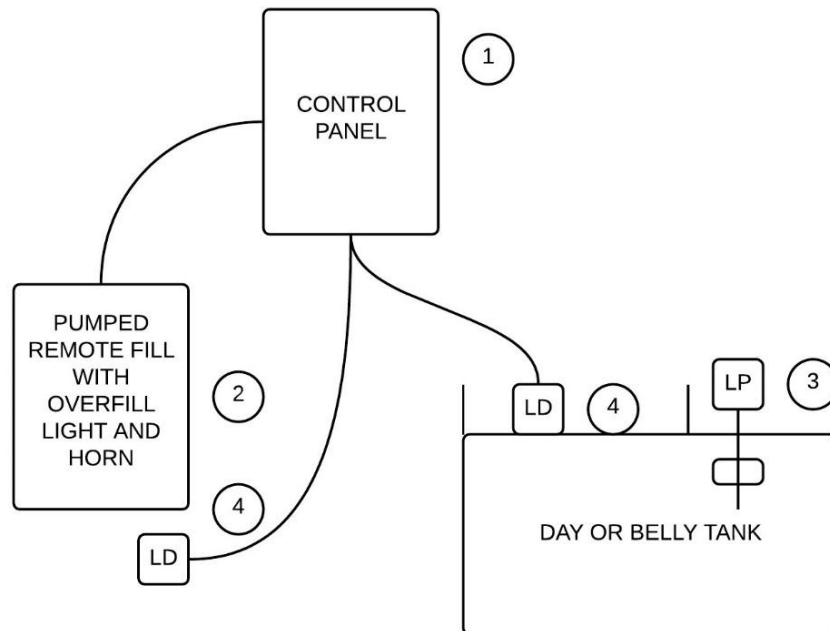
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Pumped Remote Fill

Schematic Diagram

ITEM	QUANTITY	DESCRIPTION
1	1	Remote Fill control panel
2	1	Pumped Remote Fill Assembly, piped and wired with integral remote fill alarm, dry disconnect and dust cover.
3	1	High level float switch
4	2	Leak detectors



Sequence of Operation

PUMPED REMOTE FILL

The system operator must place the fill enable switch into the "on" position for a fill operation. The control panel monitors the high level in the day or belly tank. When the fuel level reaches the high level, the pump will automatically stop and the alarm horn and light in the remote fill and at the control panel are energized. A system operator may silence the alarm local to

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Sequence of Operation *cont.*

the remote fill or from the control panel, but the alarm light will remain lit and energized until the fill enable switch is placed into the "off" position.

The control panel monitors leak detectors in the remote fill assembly and the top of the day or belly tank. A spare leak detector input is provided on the control panel for a piping transition tray or piping sump.

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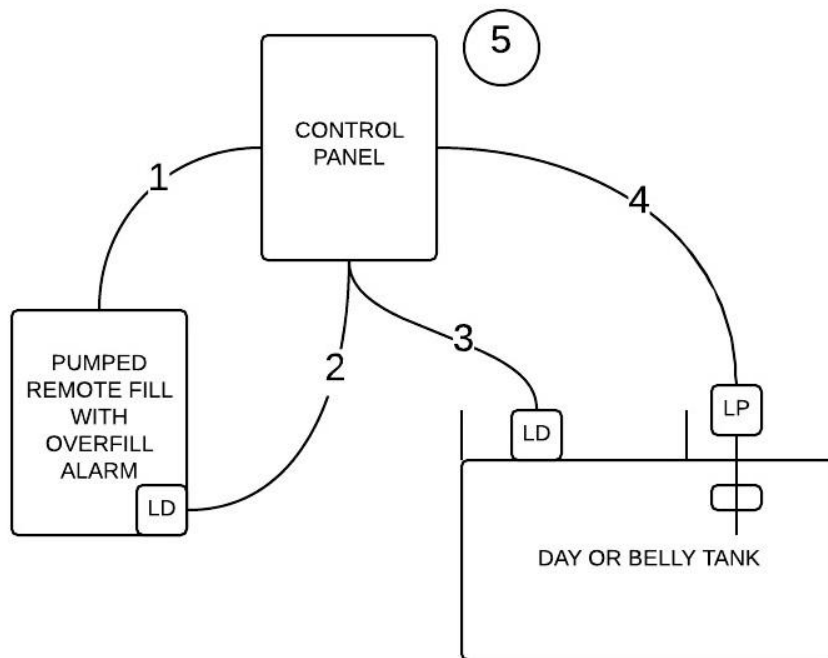
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Wiring Diagram and Power Requirements

ITEM	QUANTITY OF CONDUCTORS	DESCRIPTION
1	7 #16 for control, 3 #12 plus ground for pump	Pumped Remote Fill Assembly, piped and wired with integral remote fill alarm, dry disconnect and dust cover.
2	2 #16	Leak Detector
3	2 #16	Leak Detector
4	2 #16	Level Probe
5	2 #16 for control power, 3 #12 plus ground for power to pump starter	Control Panel



WIRING FOR PUMPED REMOTE FILL

Use #16 stranded THHN minimum for all control wiring. Use #12 stranded THHN minimum for power wiring. Wiring to be continuous from end to end with no splices. Tag wires with industry standard wire numbers. All wiring to be installed in conduit. All wiring and conduit to be installed as per Local Code requirements. Wiring may be run together in the same conduit.

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