

Upgrade

General Features

The Upgrade grinder pump is engineered to fit into virtually any grinder pump wetwell. Universal design allows easy drop-in conversion, ready to connect. The Upgrade is a complete replacement for all of the troublesome components of a centrifugal pump station, including the old unit's slide rails, pump/motor, float switches, piping, and motor control devices.

- Designed not to jam and for minimum wear to the grinding mechanism
- Retrofit simplex or larger stations
- Available with a range of discharge hose lengths to accommodate a wide range of tank depths

The Upgrade comes complete with a self-contained level control system, eliminating troublesome float switches. The internal check valve assembly located on the grinder pump is custom designed for non-clog, trouble-free operation. The Upgrade uses E/One's "hardwired," or "wired," pump model where a cable connects the motor controls to the level controls through watertight penetrations.

Operational Information

Motor

1 hp, 1,725 rpm, high torque, capacitor start, thermally protected, 120/240V, 60 Hz, 1 phase

Discharge Connections

Pump discharge terminates in 1.25-inch female solvent weld fitting; threaded adapter is supplied and discharge can easily be adapted to 1.25-inch NPT.

Discharge

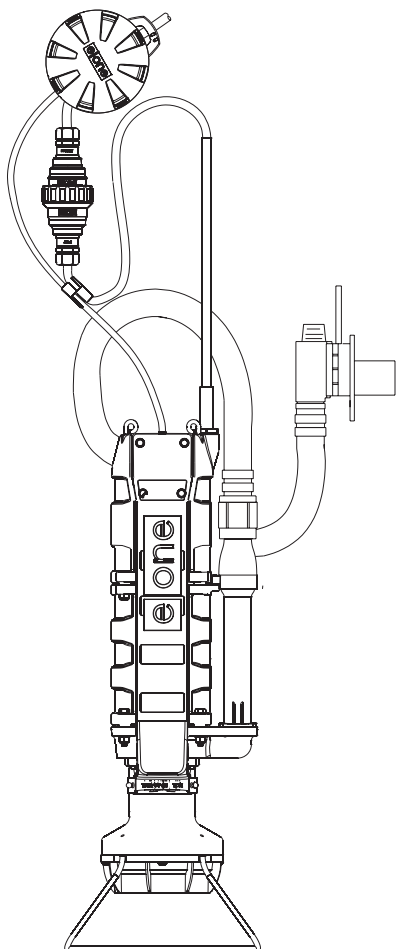
15 gpm at 0 psig (0.95 lps at 0 m)
11 gpm at 40 psig (0.69 lps at 28 m)
7.8 gpm at 80 psig (0.49 lps at 56 m)

Accessories

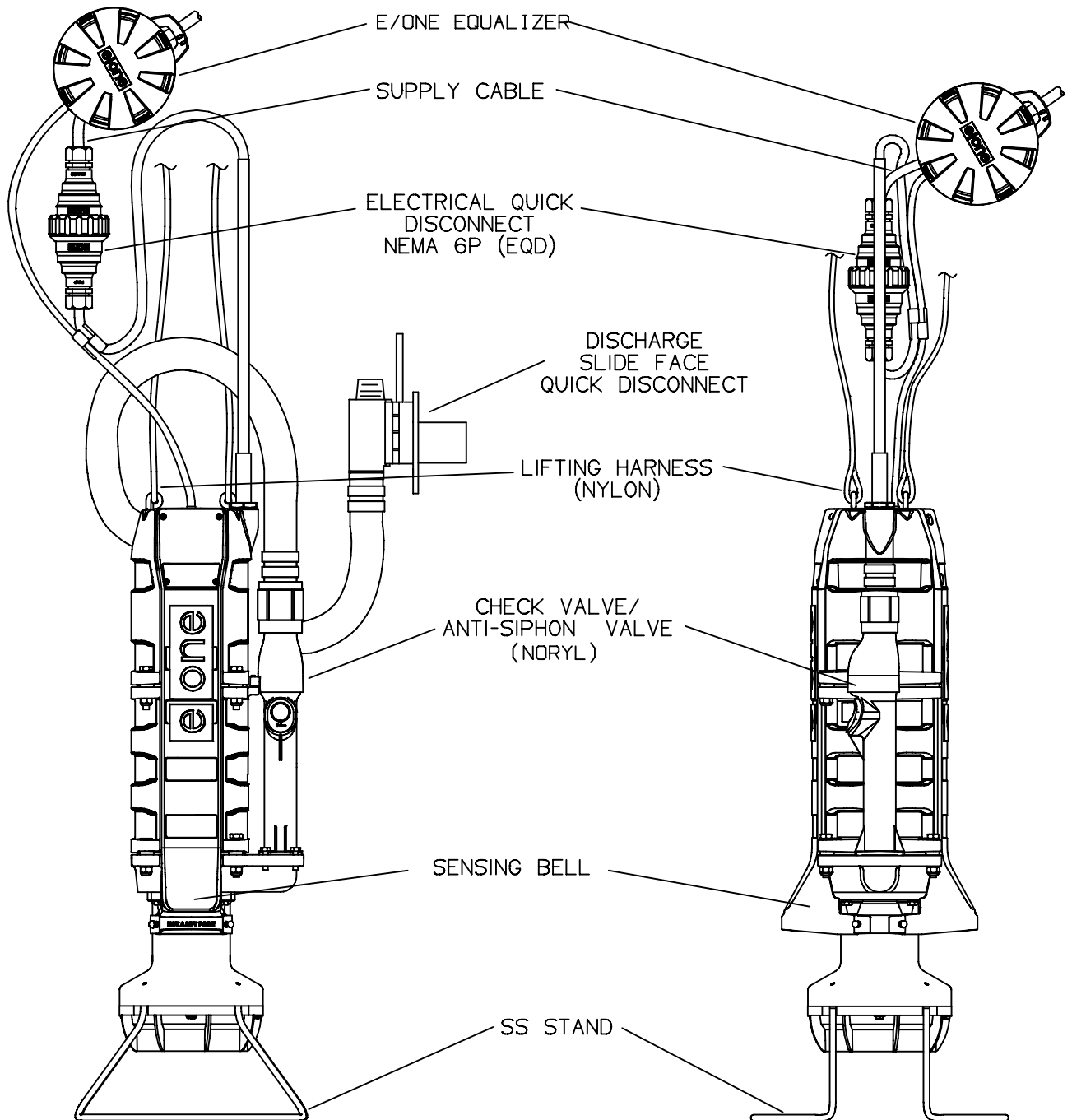
E/One recommends that the Uni-Lateral, E/One's own stainless steel check valve, be installed between the grinder pump station and the street main for added protection against backflow.

Alarm panels are available with a variety of options, from basic monitoring to advanced notice of service requirements.

The Remote Sentry is ideal for installations where the alarm panel may be hidden from view.




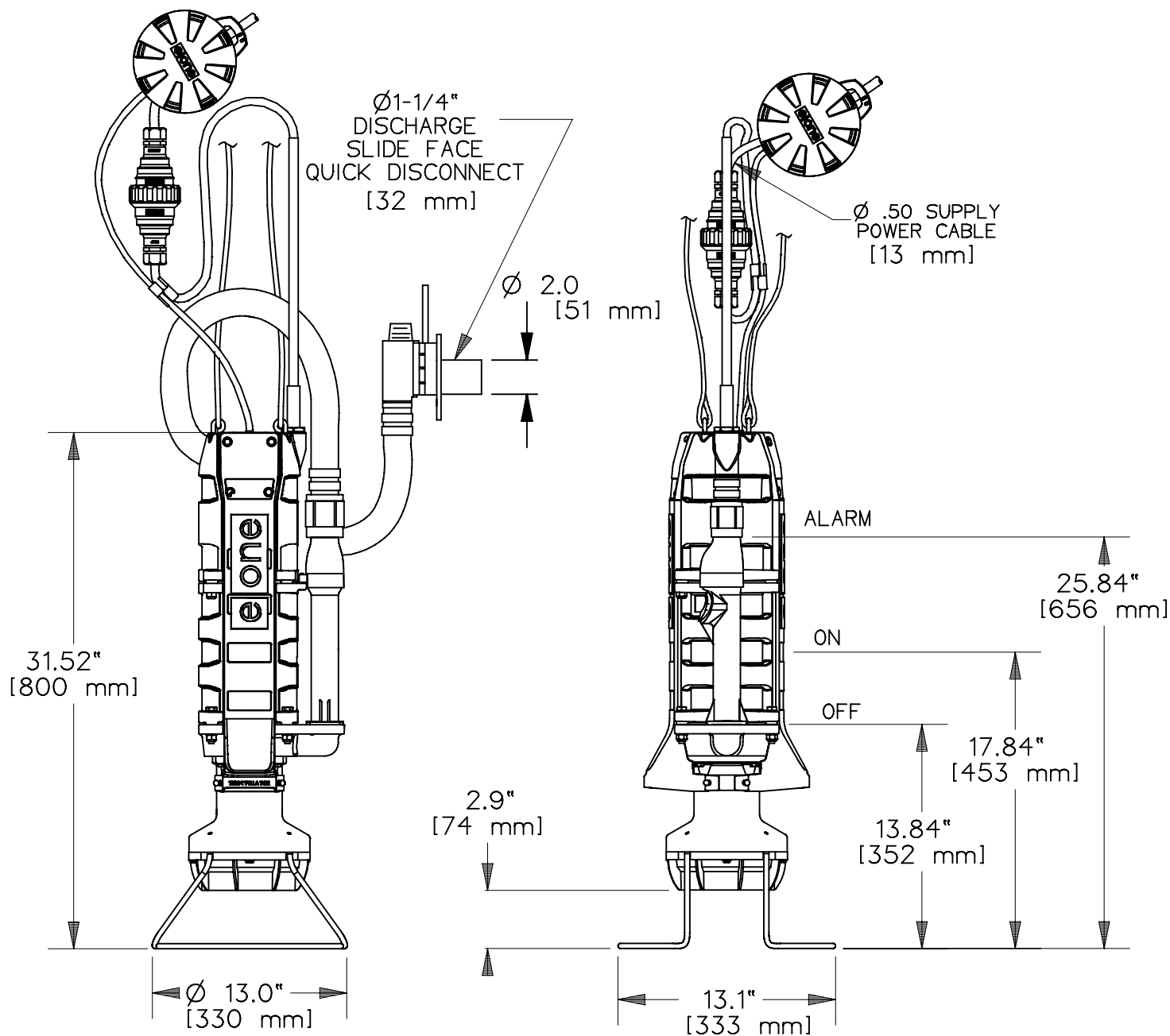
Patent Numbers: 5,752,315
5,562,254 5,439,180




UPGRADE GRINDER PUMP



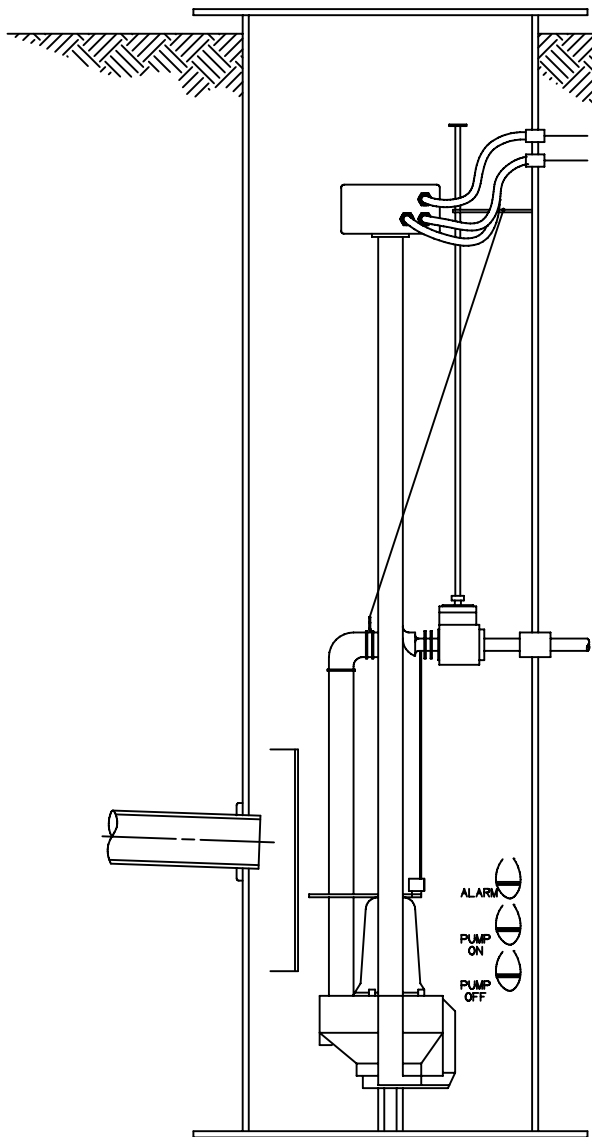
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UPGRADE FEATURES				
NA0055P01				



UPGRADE GRINDER PUMP

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DIMENSION SHEET, UPGRADE				
NA0055P02				

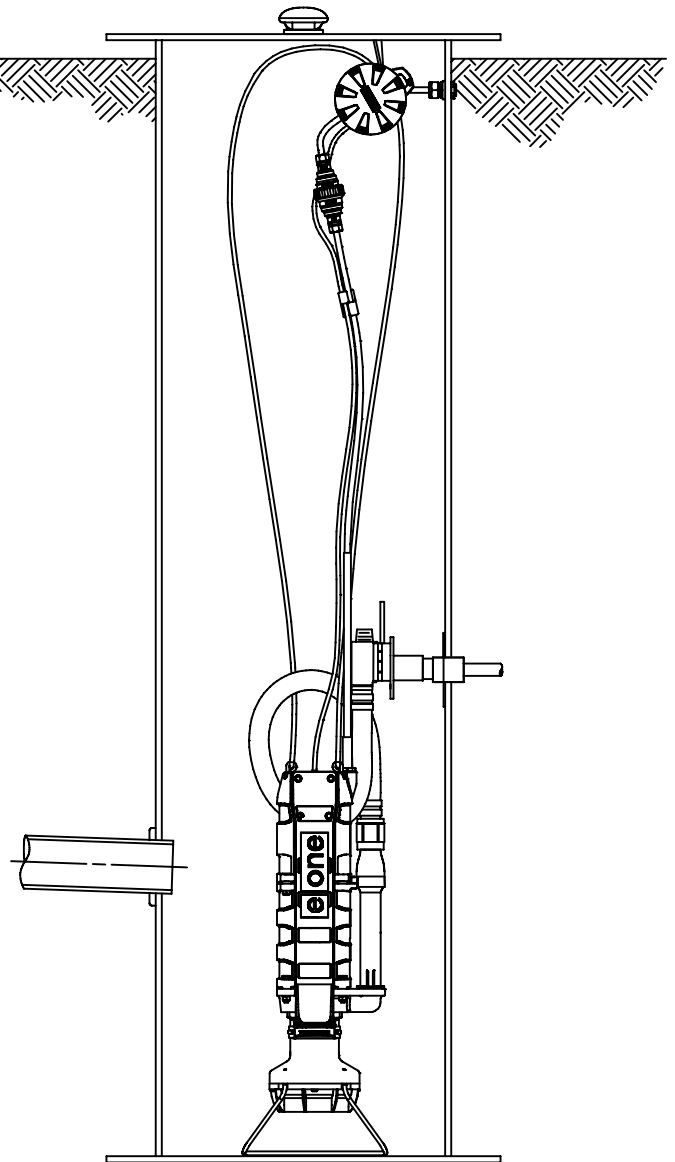
BEFORE



CENTRIFUGAL STATION
TO BE UPGRADED

TO...

AFTER



eone UPGRADE



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eone
SEWER SYSTEMS

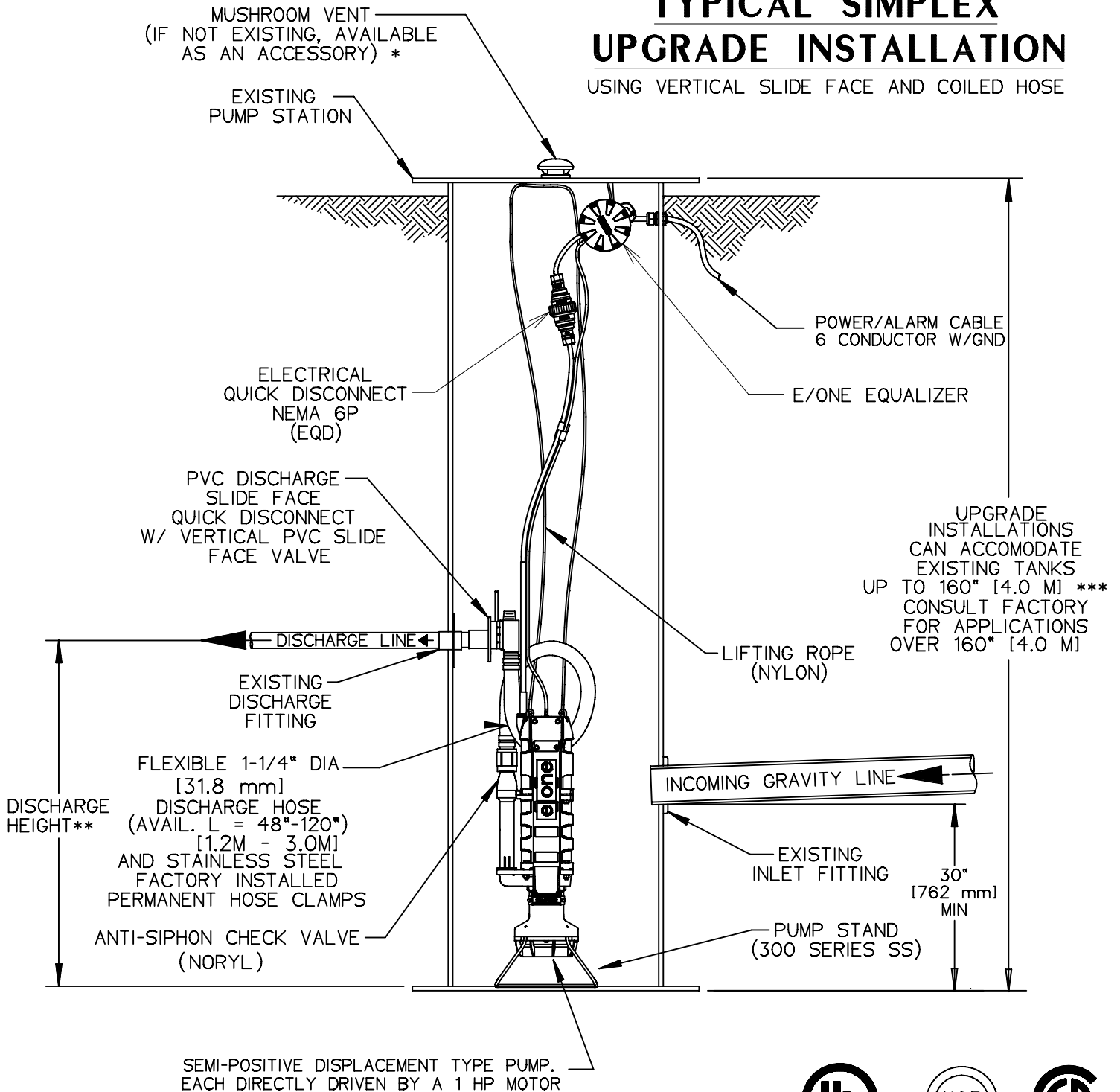
REPLACEMENT ILLUSTRATION

NA0055P03

* IN THE MAJORITY OF UPGRADE INSTALLATIONS
THE EXISTING INLET, DISCHARGE, AND
POWER SUPPLY CABLES CAN BE UTILIZED
WITHOUT MODIFICATION INCLUDING J-BOX
AND FEED-THRU'S

TYPICAL SIMPLEX UPGRADE INSTALLATION

USING VERTICAL SLIDE FACE AND COILED HOSE



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DETAIL SHEET, UPGRADE SIMPLEX
VERTICAL SLIDE FACE, COILED HOSE

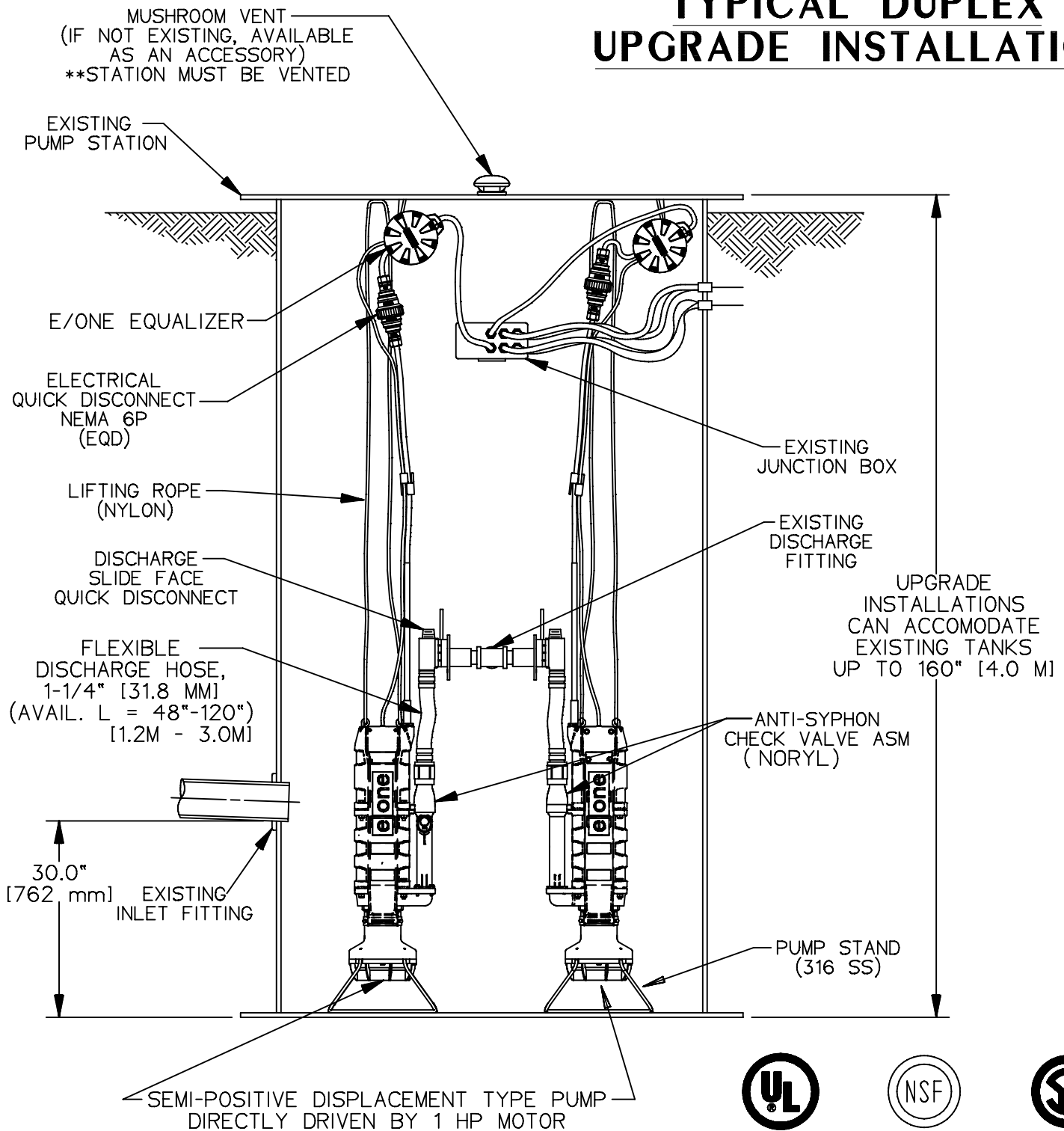
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* STATION MUST BE VENTED

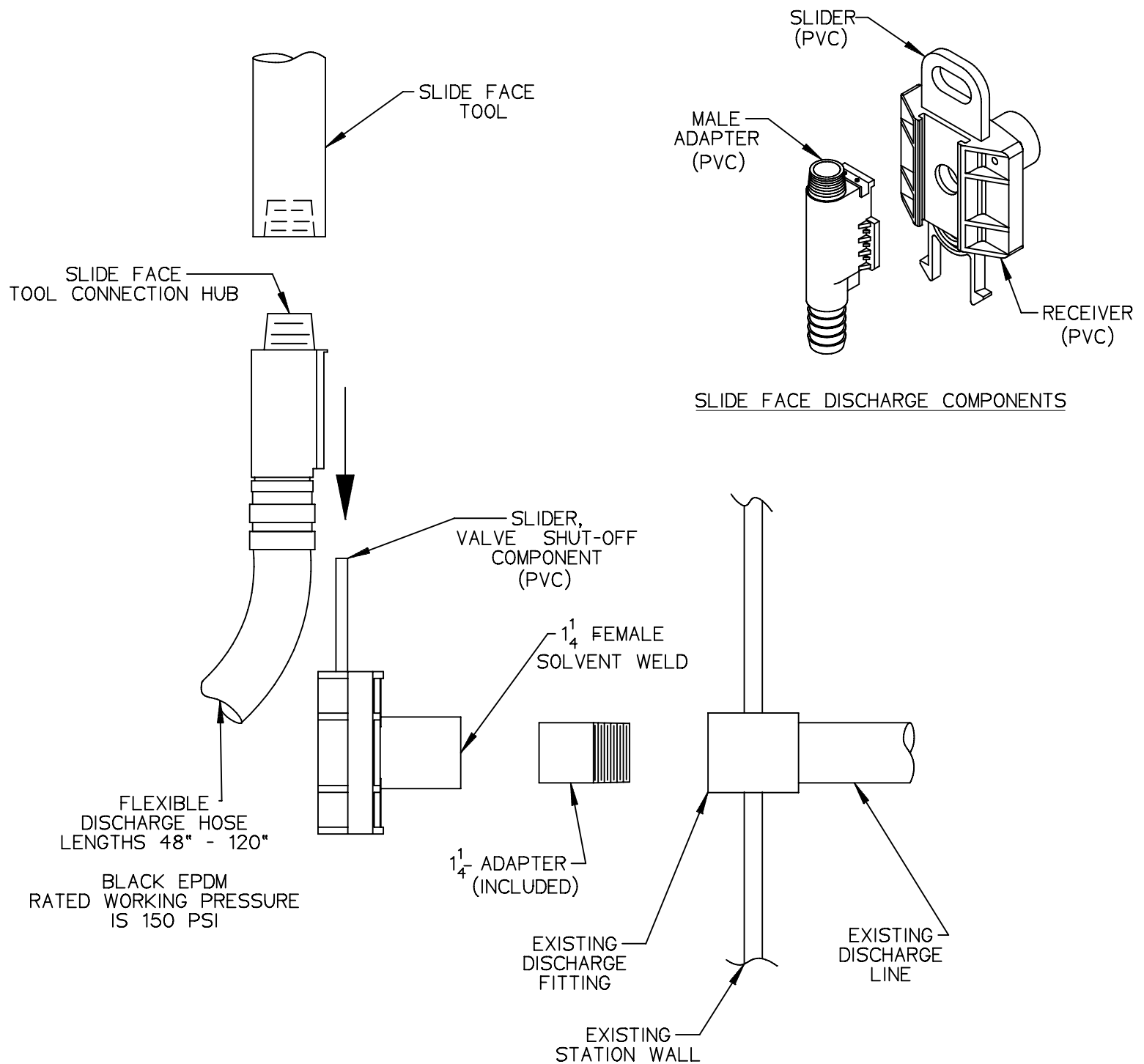
** DISCHARGE HEIGHT MUST BE KNOWN WITHIN 3 FEET [1.0 M]
TO ORDER PROPER KIT

*** DISCHARGE HEIGHT MUST NOT BE GREATER THAN 160 INCHES [4.0 M]

TYPICAL DUPLEX UPGRADE INSTALLATION



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DETAIL SHEET, UPGRADE DUPLEX TYPICAL DROP-IN EXISTING STATION				
NA0055P05				



DISCHARGE HOSE AND DISCONNECT/VALVE: All discharge fittings and piping shall be constructed of polypropylene, EPDM or PVC. The discharge hose assembly shall include a shut-off valve rated for 200 psi WOG and a quick disconnect feature to simplify installation and pump removal. The bulkhead penetration shall be factory installed and warranted by the manufacturer to be watertight.

SLIDE FACE ASSEMBLY



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SLIDEFACE DISCHARGE DETAIL				
ESD 09-0136				