DUPLEX 100 GALLON GLYCOL FEED UNIT D-100-100-2-PEFS-OD

Furnish and install according to plans and manufacturers' instructions, a complete prefabricated, automatic glycol feed makeup unit. Each unit shall consist of a steel frame base, UV stabilized polyethylene tank with removable cover, low water cut-off alarm, two brass rotary vane pumps with built in suction strainers, Nema 4X control panel, brass suction and discharge piping, pump isolation valves, discharge check valves, pressure switches, pressure gauges, pressure relief valves, and interconnecting piping. The duplex unit is set up for use with two separate heating or cooling loop systems unless the ALT (alternator) option is used.

Tank and Base Assembly
Tank and cover shall be UV stabilized 100-gallon industrial grade polyethylene with graduated scale and cover will be removable. The base assembly shall be made of structural steel welded together and painted with a powder coat process for high durability.

Pumps
Pumps shall be rotary vane close coupled type with brass housing and built in suction strainers. Pump motors are TEFC, 1/3 hp, 110v, 1ph with built in auto reset thermal overload. Pumps will be capable of 2 GPM @100 PSI.

Control Panel
Electrical control panel assembly shall be Nema 4X UL/CUL 508A listed, labeled and rated at 110v, 1ph, 60Hz. Panel shall have an audible alarm for low water, H.O.A. selector switches and yellow pilot lights for pump run, off-on selector switch and green pilot light for unit power, off-on selector switch and red pilot light for low water alarm, circuit breaker protection, motor rated starter relays, auxiliary contacts for alarm circuit and a 110v, 1ph, 9ft plug in power cord.

Suction and Discharge Piping
Suction piping shall be brass with drain connection and plug. Suction isolation valve shall be a brass body gate. Discharge shall be brass with a brass body check valve, field adjustable 3R pressure switch, pressure gauge, pressure relief valve and ½" N.P.T. male discharge pipe connection. Interconnecting piping to and from pump will be high pressure poly-reinforced braided hose.

Low Level Switch
Float switch shall be made of ABS plastic. The float will be tethered on the upper portion of the tank. Low tank level will deactivate all pumping operations and will activate a low level visual and audible alarm on the control panel.

Standard System Settings
G.P.M. 2.0 SYSTEM PRESSURE: ON – 10 PSI / OFF – 40 PSI PRESSURE RELIEF VALVE: 100 PSI

Power Requirements
VOLTAGE: 110v / 1ph / 60Hz F.L.A. 15.0 AMPS

Options

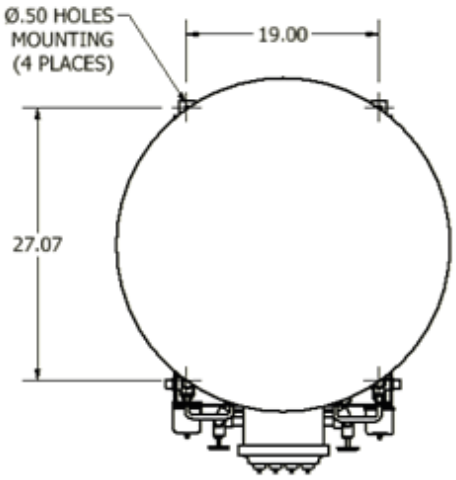
☐ **ON/OFF - PSI**
Special system pressure settings (ON-____ PSI / OFF-____ PSI)

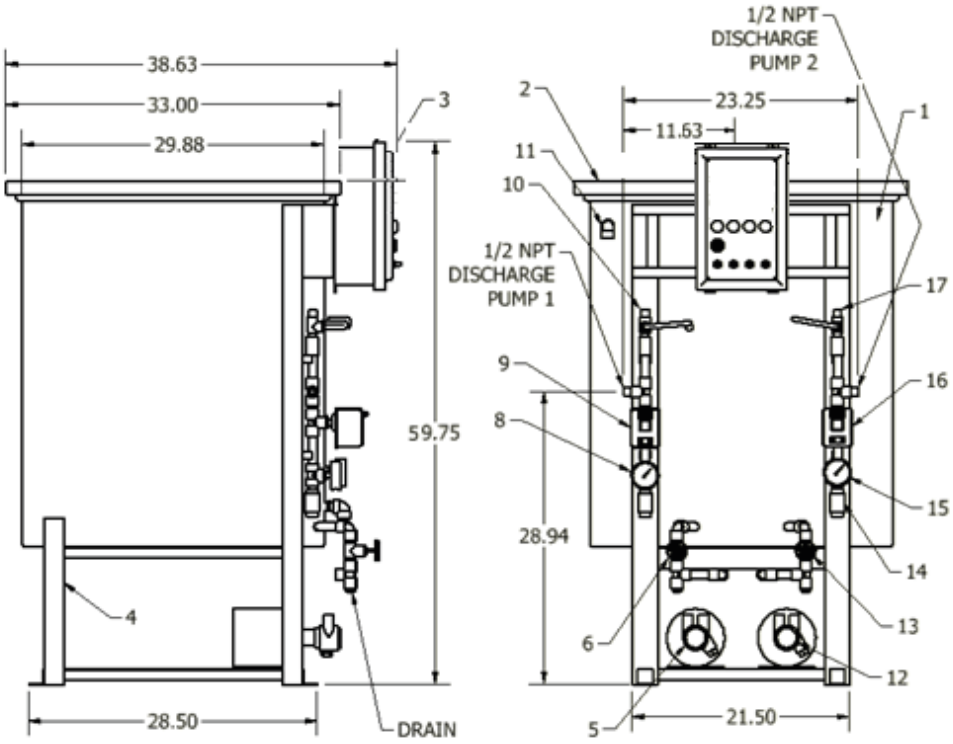
☐ **SET**
Expansion tank, 2-gallon stainless steel

☐ **HFP-OD**
High flow pump (4.5 gpm @ 100 psi)

☐ **HLA-OD**
High water alarm

1 TANK POLYETHYLENE 100 GALLONS
2 COVER POLYETHYLENE
3 ELECTRICAL PANEL UL/CUL 508A
4 BASE ASSEMBLY
5 PUMP 1 ASSEMBLY
6 SUCTION ISOLATION VALVE - PUMP 1
7 CHECK VALVE - PUMP 1
8 PRESSURE GAUGE - PUMP 1
9 PRESSURE SWITCH - PUMP 1
10 PRESSURE RELIEF VALVE - PUMP 1
11 FLOAT SWITCH (LOW WATER)
12 PUMP 2 ASSEMBLY
13 SUCTION ISOLATION VALVE - PUMP 2
14 CHECK VALVE - PUMP 2
15 PRESSURE GAUGE - PUMP 2
16 PRESSURE SWITCH - PUMP 2
17 PRESSURE RELIEF VALVE - PUMP 2





JOB NAME		CONTRACTOR	
ORDER NO.		SUBMITTED BY	DATE
SALES REP.		APPROVED BY	DATE
ENGINER		NOTES	
LOCATION			