

Digital Glycol Feeder

CONTROLLER FEATURES

- **Compact Nema4X enclosure** for industrial applications.
- **Touch keypad** user interface for gear pump operation.
- **LED indicators** loss of pressure and low level.
- **HOA control** of pumps and alarm to force relay OFF indefinitely or force relay ON for a period of 5 minutes.
- **Alarm silence** feature.
- **Dual alarm relay outputs** are factory configured for dry contact or powered.
- **Pump relay control** is factory configured for dry contact or powered.
- **Available in 115V or 230V.**
- **Agency approved** for U.S. and Canada.

PUMP FEATURES

- **Heavy duty gear pump.**
- **Bronze and stainless steel wetted components.**
- **Close tolerance design** allows for consistent performance.
- **Helical gears** for quiet operation.

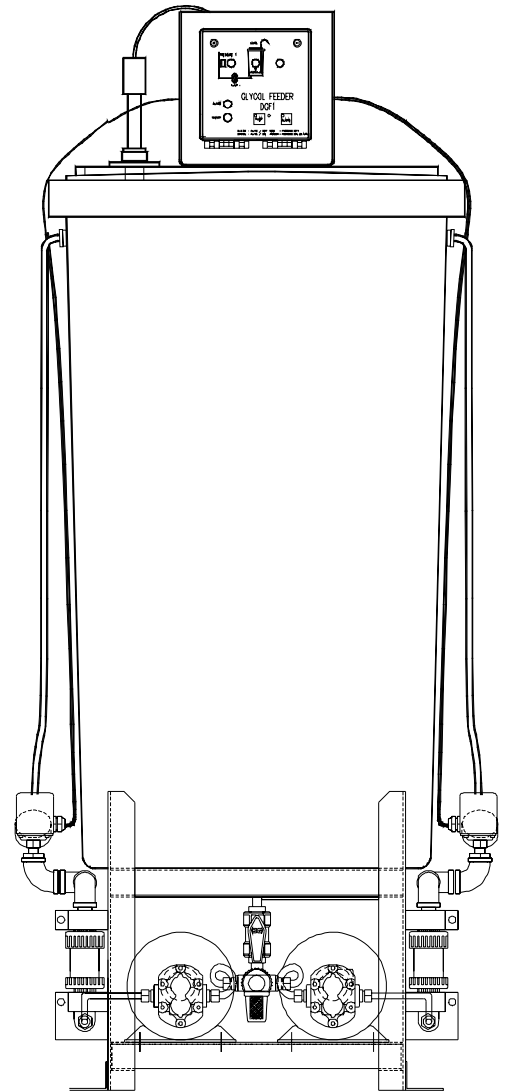
SYSTEM FEATURES

- **Reduced freight cost**, light weight design consisting of tank, stand and manifold assembly can easily be broken down for shipping via UPS.
- **Economical design** for competitive bid specifications.

DESCRIPTION

The Digital Glycol Feeder provides a consistent operating pressure in closed loop systems. This allows a controlled percentage of glycol solution to be fed. The Digital Glycol Feeder is available in two models; the DGF1 for single loop and the DGF2 for dual loop systems.

The control unit utilizes an 8-bit microcontroller for precise feed system control. The Nema4X enclosure can be wired conduit or prewire for easy startup. The preplumbed assembly includes a pressure gauge, pressure switch, and pressure relief valve to prevent excessive pressure build up. A low liquid level switch with optional audible alarm prevents the gear pump from operating when the solution is low.



Each Digital Glycol Feeder is fully piped and wired with the following components:

Suction Assembly Includes:

- PVC tubing and fittings
- PVC ball valve
- Clear poly bowl strainer

Discharge Assembly Includes:

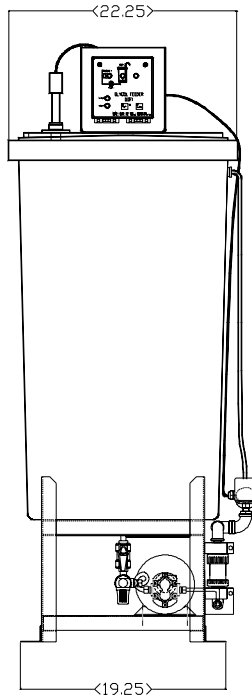
- PVC pipe and fittings
- PVC ball valve
- PVC check valve
- Pressure gauge
- Brass relief valve with return to tank tubing

DIGITAL GLYCOL FEEDER SELECTION GUIDE **DGF** _ _ _ _ _

CLOSED LOOPS Position 4	1 = Single Loop 2 = Dual Loop
CONDUIT / PREWIRE Position 6	A = Conduit B = Prewire
AUDIBLE ALARM Position 7	A = without Audible Alarm B = with Audible Alarm
ALARM OUTPUT OPTION Position 8	X = None A = Dry Contact, Single B = Dry Contact, Dual C = AC Output, Single D = AC Output, Dual E = Dry Contact, Single & AC Output, Single
PRESSURE SWITCH OPTION Position 9	A = Standard pressure switch, 30 to 50 psi (adjustable to 80 psi) B = Low pressure switch, 5 to 10 psi (adjustable to 35 psi) C = One standard and one low pressure switch (DGF2 only)
PUMP AND VOLTAGE RATING Position 10	A = 115VAC no pump B = 230VAC no pump (must be conduit) C = 115VAC 60Hz 1.50GPM @ 100psi E = 115VAC 60Hz 3.50GPM @ 100 psi
AGENCY APPROVALS Position 11	X = None A = ETL Approval (conduit on inlet power)
PANEL ASSEMBLY Position 12	A = Unassembled (for UPS shipping) B = Assembled (must ship via freight)

DIMENSIONS

Front View



Side View

