

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 (pending)

PUMP FEATURES

- **New heavy duty Pulsafeeder gear pump.**
- **Type 21 mechanical seal** eliminating drive shaft wear.
- **Replaceable wear plates and bearings.**
- **Rugged PVC housing.**
- **Metal and TFE gear set** for quiet, long lasting operation.

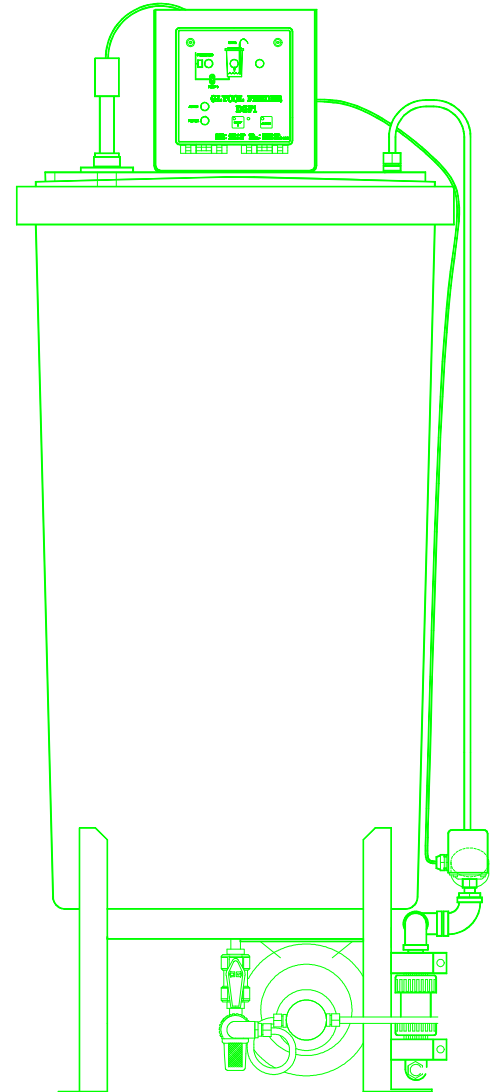
SYSTEM FEATURES

- **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

How To Select A Digital Glycol Feeder

MODEL	DGF _____	A complete model number must consist of 11 digits.		
Position	Code	Description		
Position 4 CLOSED LOOPS	DGF ?	1	Single Loop	
		2	Dual Loop	
Position 5 CONDUIT PREWIRE	DGF_ ?	A	Conduit	
		B	Prewire (not available with 230V units)	
Position 6 AUDIBLE ALARM	DGF__ ?	A	without Audible Alarm	
		B	with Audible Alarm	
Position 7 ALARM OUTPUT OPTION	DGF___ ?	X	None	
		A	Dry Contact Single	
		B	Dry Contact Dual	
		C	AC Output, Single	
		D	AC Output, Dual	
Position 8 PRESSURE SWITCH OPTION	DGF____ ?	A	Standard pressure switch	
		B	Low pressure switch	
		C	One Standard and One Low Pressure Switch (DGF2 only)	
	Position 9 PUMP AND VOLTAGE RATING	DGF_____ ?	A	115V no pump
			B	230V no pump
		C	115V 60Hz 1.5GPM @ 100PSI	
		D	230V 60Hz 1.5GPM @ 100PSI	
		E	115V 60Hz 3.05GPM @ 100PSI	
	F	230V 60Hz 3.05GPM @ 100PSI		
	G	230V 50Hz 1.25GPM @ 100PSI		
	H	230V 50Hz 2.54GPM @ 100PSI		
Position 10 AGENCY APPROVALS	DGF_____ ?	X	None	
		A	ETL (USA & Canada)	
		B	CE	
Position 11 ASSEMBLY	DGF_____ ?	A	Unassembled	
		B	Assembled (Note: must ship freight)	

DIMENSIONS

