

SINCE 1908
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PERFORMANCE

TYPE: I/O GLYMATIC®
 GLYCOL MAKE-UP PACKAGE

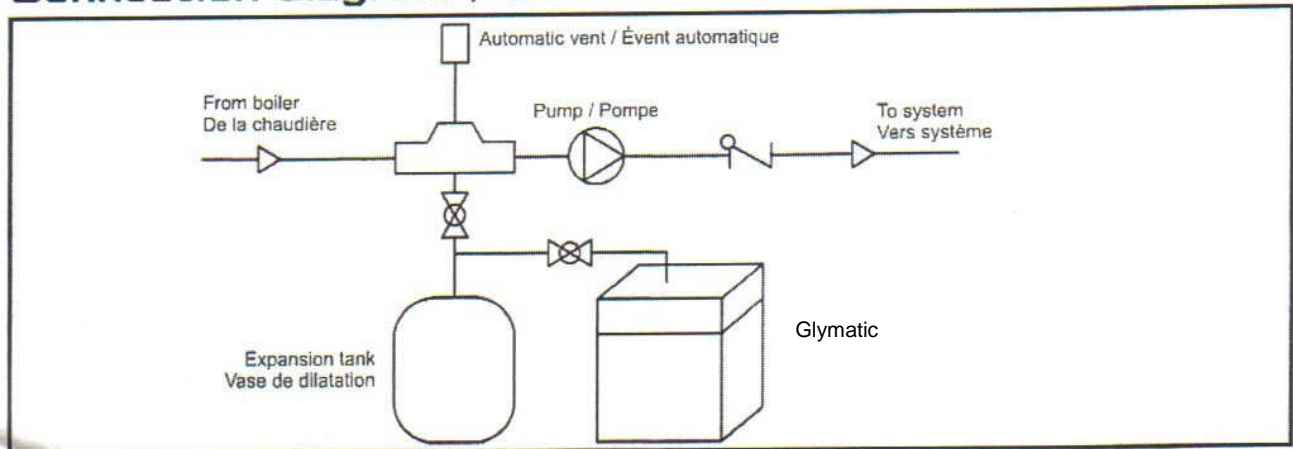
MODELS: G-Series
 Submittal Sheet No. M-3212

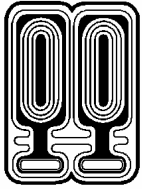
Date: 8-07

Troubleshooting

Symptom	Possible Cause	Corrective Action
System pressure below desired setpoint	System isolation valve closed	Open system isolation valve
	System is unplugged	Plug the system to the wall receptacle
	No power to the system.	Verify that the wall receptacle has power
	Low level in tank. Float has stopped the system.	Add fluid. Find source of the leak and repair.
	Pressure reducing valve out of adjustment	Adjust the PRV
	Control piggyback float not operating properly.	Verify operation of float. Ensure that the float moves freely.
	Defective pressure gauge	Check pressure using another gauge. Replace defective gauge.
Pump does not prime	Pump motor failed	Replace pump
	External check valve or regulator installed between system and Feeder	Remove check valve or regulator
	Pump is air locked	Bleed the supply line
Pump cycles continuously	Air is being removed from the system and replaced with liquid	Allow sufficient time for air removal. The pump will stop operating when air is removed.
	External check valve or regulator installed between system and Feeder	Remove check valve or regulator
	Control level piggyback float switch is not stopping the pump	Ensure that the float is operating properly and that it is not being held in the closed position (floating)
	Leak in system	Find source of the leak and repair

Connection diagram / Schéma de raccordement





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GMP-6/GMP-18 (all models) HYDRONIC SYSTEM FEEDER

INSTALLATION, OPERATION AND MAINTENANCE

The Hydronic System Feeder can be used with heating or cooling systems. It is used to maintain the system at a specific pressure. The Feeder should be used to pressurize the system when the system is at its lowest temperature.

Installation Instructions

DO NOT INSTALL A PRESSURE REGULATOR OR CHECK VALVE BETWEEN SYSTEM FEEDER AND THE SYSTEM

ENSURE THAT THERE IS A SYSTEM ISOLATION VALVE TO ISOLATE THE SYSTEM FEEDER

Ensure that the model number matches your system pressure requirements.

MODELS:

- GMP-6, 6A, 18, 18A: Max. Pressure: 172 kPa (25 psig). Factory Set at: 82.5 kPa (12psig).
- GMP-6H, 6HA, 18H, 18HA: Max. Pressure: 412.8 kPa (60 psig). Factory Set at: 82.5 kPa (12psig).
- If R is checked on the nameplate a float (dry contact) is included for remote low level alarm (alarm panel by others)
- "A" models c/w Remote Alarm Panel Kit. See panel instructions for mounting and wiring.

Verify that there is no dirt in the tank and that the pump suction screen is installed.

**WHEN CONNECTING THE FEEDER TO THE SYSTEM, CLAMP THE
1/4" nptX 3/8 npt" BRASS FITTING TO AVOID OVERTIGHTENING IT ON THE PRV SIDE.**

ELECTRICAL POWER OFF, SYSTEM ISOLATION VALVE CLOSED

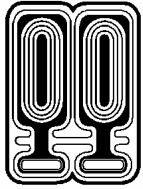
1. Install the System Feeder on a level and sturdy surface or optional wall mounting bracket.
2. Ensure that the system components and gauge are oriented for ease of operation.
3. Connect the optional low fluid level remote alarm (if supplied see MODELS above) directly to the alarm panel or cut the wire and connect to the terminal block on the system feeder for longer field installed wiring run. Verify that the alarm is operating correctly by powering the alarm panel it is connected to. The alarm should indicate low level.
4. Fill the System Feeder tank with the correct fluid required for system operation. If a water/glycol solution is used, a 30-50% Propylene (non-toxic) glycol concentration is recommended.
5. Fill the system with the required fluid by other means.

OPEN THE SYSTEM ISOLATION VALVE. INSERT THE PUMP ELECTRICAL PLUG INTO THE PIGGYBACK SWITCH PLUG AND THEN INTO THE WALL RECEPTACLE.

NOTE: The pressure gauge on the System Feeder may indicate a different pressure than a gauge installed elsewhere in the system. This difference may be due to calibration variations or elevation differences and can be normal.

6. If the system pressure is below the pressure reducing valve (PRV) setting the pump will start. See above for factory settings. The pump will run until the system is pressurized to the PRV setting. The pump may cycle rapidly. The pump is self priming to 8 feet.
7. **If a higher system pressure is required adjust the PRV to the desired value as follows:** Close the isolation valve. 1-Loosen the lock nut. 1-Turn the screw in a clockwise direction until the gauge reads desired pressure. 3-Hold the screw and tighten the lock nut. The standard Feeder System PRV can be adjusted up to 25psi. Higher pressures are available as an option.
8. **If a lower system pressure is required adjust the PRV to the desired value as follows:** 1- Turn off the System Feeder. 2-Drain fluid from the system or open the system relief valve until the Feeder discharge gauge reads a little lower than desired system pressure. 3-Loosen the lock nut on the PRV. 4-Turn the PRV screw in a counterclockwise direction until it is almost free. 5- Close the isolation valve. 6- Turn the Feeder back on. 7- While observing the Feeder discharge gauge, *slowly* turn the PRV adjustment screw until the desired system pressure is achieved. 7- Hold the screw and tighten the lock nut. 8-Open the isolation valve.

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Ref.	Part # - No piece	Description
1	GMP-PUMP	Pump/Pompe
2	GMP-TANK-6*	Tank/Réservoir
2	GMP-TANK-18**	Tank/Réservoir
3	GMP COVER	Cover/Couvercle
4	GMP-LID	Cap/Bouchon
5	GMP-LEVEL	Level gauge/Indicateur de niveau
6	GMP-PUMP-SWITCH	Piggyback float switch/Interrupteur avec fiche
7	GMP-MINIPRV	Pressure reducing valve/Soupape de régulation de pression
8	GMP1396C	Fitting-Raccord 3/8" Hose-Boyau X 3/8" npt
9	GMPD122CB	Fitting-Raccord 3/8" npt X 1/4" npt
10	GMPD120-CB	Fitting-Raccord 1/4" npt X 3/8" fpt
11	GMPSCREW-6	SS screw 3/4"/Vis 3/4" en acier inoxydable
12	GMPWASHER146	Washer/Rondelle
13	GMPSCREW-10	SS screw 1"/Vis 1" en acier inoxydable
14	GMP-GAGE-2	Pressure gauge/Manomètre
15	GMP-CLAMP	Gear clamp/Collier de serrage à vis sans fin
16	GMP-1038B-13*	Hose-Boyau 1/2" X 13"
16	GMP-1038B-3375**	Hose-Boyau 1/2" X 33 3/4"
17	GMP-STRAINER	Strainer/Tamis
18	GMP125-6C	Strainer fitting barb X thread/Raccord cannelé pour tamis
19	GMP-PIPE1158*	Pipe-Tuyau 1/2" X 11 5/8"
19	GMP-PIPE3325**	Pipe-Tuyau 1/2" X 33 3/4"
20	GMP-ADAPT-M	Male adaptor 1/2"/Adaptateur mâle 1/2"
21	GMP-ADAPT-F	Female adaptor 1/2"/Adaptateur femelle 1/2"
22	GMP-NUT	Lock nut/Contre-écrou
23	GMP-CAP	Cap 1/2"/Bouchon 1/2"
24	GMP-CLAMP2	Clip 1/2"/Attaché
25	GMP-RATCH-CLAMP	Restrictor clamp 1 1/32"/Attache 1 1/32"
26	GMP-GROMMET	Grommet/Passe-fil
27	GMP-WECO	Remote alarm terminal block Bornier de raccords pour alarme à distance

Options

1B	GMP-ALARM	Remote alarm panel c/w auxiliary contact Panneau d'alarme à distance c/a contact auxiliaire
2B	GMP-ALARMSWITCH	Remote alarm float Interrupteur de niveau pour alarme à distance
3B	GMP6-WMS*	Wall mounting shelf/Support de montage mural

* GMP-6 part/pièce ** GMP-18 part/pièce

