



Submittal Form

ZGMP-SERIES

GLYCOL MAKE-UP PACKAGES

Models:

ZGMP-13050 to ZGMP-15100
 ZGMPD-23050 to ZGMPD-25100
 ZGMPT-33050 to ZGMPT-35100

Date: 9/25

Job Name: _____ Location: _____ Engineer: _____ Contractor: _____ Sales Rep.: _____	Submitted By: _____ Date: _____ Approved By: _____ Date: _____ Order No.: _____ Date: _____ Notes: _____ _____ _____
--	--

Description - ZGMP Single System Package:

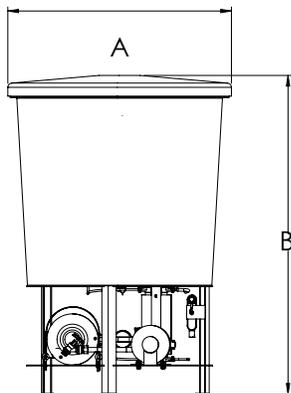
The single ZGMP unit is designed to automatically supply a pressurized solution, such as glycol and water, to a closed loop heating, chilled water, snowmelt, radiant heating, sprinkler, or process control system to ensure minimum system pressure requirements are met. These systems are equipped with HOA controls, an adjustable pressure reducing valve (PRV), pressure gauge, and a low level alarm that cuts power to the pump and actuates an audible and visual alarm when solution levels are too low.

Performance Limitations:

Maximum Temperature: 160 F
 Factory Discharge Pressure Setting: 12 PSIG
 Maximum Discharge Pressure: 70 PSIG*
 All electrical components are listed UL/CSA Standard Starter Panel UL/CSA 60947-4-1
 Optional NEMA 4X Panel UL/CSA LR19791
 *Higher discharge pressures available.

- Available Options:**
- High level alarm
 - Protective skirt

MODEL NUMBER	PART NUMBER	TANK VOLUME (GAL)	TAGGING INFORMATION	QUANTITY
ZGMP-13050	07101052	50		
ZGMP-13100	07101102	100		
ZGMP-15050	07102052	50		
ZGMP-15100	07102102	100		



Dimensions & Weights:

Model Number	Dimensions in Inches		HP	Pressure Range (psi)	Make-Up Capacity (gpm @ psi)	Approx. Shipping Weight (lbs)
	A	B				
ZGMP-13050	34	45	1/3	10-70	1.8 @ 70	134
ZGMP-13100		68				140
ZGMP-15050		45	1/2			138
ZGMP-15100		68				144

Typical Specification:

Furnish and install, as indicated on the plans and specifications, a prefabricated, automatic and autonomous make-up package capable of producing _____GPM at _____psig to each glycol system. The package shall consist of a sturdy steel frame, a graduated polyethylene solution container with removable lid, and a 110V, 60Hz powered autonomous pumping assembly designed to maintain a specific fill pressure in the glycol system. The make-up package must feature a protective low water cut-off alarm, HOA controls, _____HP (1/3 or 1/2) motor with a brass rotary vane pump, magnetic starter, pressure tank with pressure control, pressure reducing valve, pressure gauge, and a system isolation valve. A 110V signal shall be available for a remote alarm.

Each glycol make-up package shall be model ZGMP - _____ as manufactured by ZilmetUSA or approved equal.



ZGMP-SERIES

GLYCOL MAKE-UP PACKAGES

Models:

ZGMP-13050 to ZGMP-15100
 ZGMPD-23050 to ZGMPD-25100
 ZGMPT-33050 to ZGMPT-35100

Date: 9/25

Description GMPD Dual System/Single Package:

The duplex ZGMPD unit is designed to automatically supply a pressurized solution, such as glycol and water, to two separate closed loop heating, chilled water, snowmelt, radiant heating, sprinkler, or process control systems to ensure minimum system pressure requirements are met. These systems are equipped with two automatic pumping assemblies each fitted with HOA controls, an adjustable pressure reducing valve (PRV), pressure gauge, and a low level alarm that cuts power to the pumps and actuates an audible and visual alarm when solution levels are too low.

Performance Limitations:

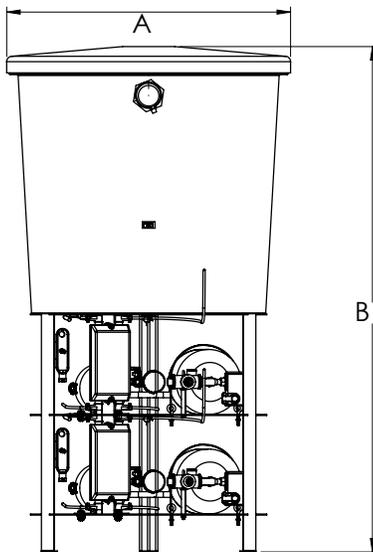
Maximum Temperature: 160 °F
 Factory Discharge Pressure Setting: 12 PSIG
 Maximum Discharge Pressure: 70 PSIG*
 All electrical components are listed UL/CSA
 Standard Starter Panel UL/CSA 60947-4-1
 Optional NEMA 4X Panel UL/CSA LR19791

*Higher discharge pressures available.

Available Options:

- High level alarm
- Protective skirt

MODEL NUMBER	PART NUMBER	TANK VOLUME (GAL)	TAGGING INFORMATION	QUANTITY
ZGMPD-23050	07103152	50		
ZGMPD-23100	07103155	100		
ZGMPD-25050	07103160	50		
ZGMPD-25100	07103165	100		



Dimensions & Weights:

Model Number	Dimensions in Inches		HP	Pressure Range (psi)	Make-Up Capacity (gpm @ psi)	Approx. Shipping Weight (lbs)
	A	B				
ZGMPD-23050	34	56	1/3	10-70	1.8 @ 70	214
ZGMPD-23100		80				255
ZGMPD-25050		56	1/2			218
ZGMPD-25100		80				259

Typical Specification:

Furnish and install, as indicated on the plans and specifications, a prefabricated, automatic and autonomous duplex make-up package capable of producing _____GPM at _____psig to two distinct glycol systems. The package shall consist of two independent 110V, 60Hz powered autonomous pumping assemblies, a sturdy steel frame, and a graduated polyethylene solution container with removable lid designed to work together to maintain specific fill pressures in each independent glycol system. The make-up package must feature a protective low water cut-off alarm, HOA controls, _____HP (1/3 or 1/2) motors with brass rotary vane pumps, magnetic starters, pressure tanks with pressure controls, pressure reducing valves, pressure gauges, and system isolation valves. A 110V signal shall be available for a remote alarm.

Each glycol make-up package shall be model ZGMPD - _____ as manufactured by ZilmetUSA or approved equal.



ZGMP-SERIES

GLYCOL MAKE-UP PACKAGES

Models:

ZGMP-13050 to ZGMP-15100
 ZGMPD-23050 to ZGMPD-25100
 ZGMPT-33050 to ZGMPT-35100

Date: 9/25

Description - ZGMPT Alternating Twin Pump Package:

The twin ZGMPT unit is designed to automatically supply a pressurized solution, such as glycol and water, to a combined two unit closed loop heating, chilled water, snowmelt, radiant heating, sprinkler, or process control system to ensure minimum system pressure requirements are met. These systems are equipped with two alternating fail-safe motors, pumps, and HOA controls that allow one pump to operate if the other pump malfunctions. These units are also equipped with an adjustable pressure reducing valve (PRV), pressure gauge, and low level alarm that cuts power to the pumps and actuates an audible and visual alarm when solution levels are too low.

Performance Limitations:

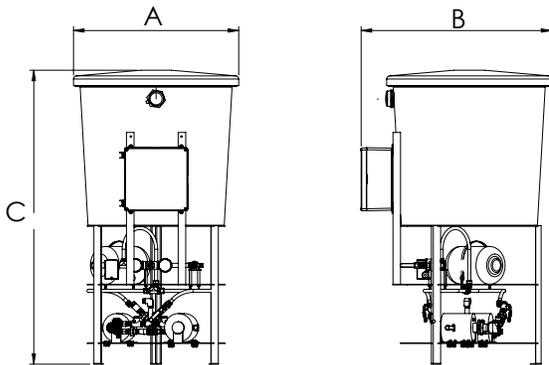
Maximum Temperature: 160°F
 Factory Discharge Pressure Setting: 12 PSIG
 Maximum Discharge Pressure: 70 PSIG*
 All electrical components are listed UL/CSA
 Standard Starter Panel UL/CSA 60947-4-1
 Optional NEMA 4X Panel UL/CSA LR19791

*Higher discharge pressures available.

Available Options:

- High level alarm
- Protective skirt

MODEL NUMBER	PART NUMBER	TANK VOLUME (GAL)	TAGGING INFORMATION	QUANTITY
GMPT-33050	07103170	50		
GMPT-33100	07103175	100		
GMPT-35050	07103180	50		
GMPT-35100	07103185	100		



Dimensions & Weights:

Model Number	Dimensions in Inches			HP	Pressure Range (psi)	Make-up Capacity (gpm @ psi)	Approx. Shipping Weight (lbs)
	A	B	C				
ZGMPT-33050	34	40	56	1/3	10-70	1.8 @ 70	236
ZGMPT-33100			80				226
ZGMPT-35050			56	1/2			240
ZGMPT-35100			80				230

Typical Specification:

Furnish and install, as indicated on the plans and specifications, a prefabricated, automatic and autonomous twin make-up package capable of producing _____ GPM at _____ psig to a paired glycol system or to a system where fail-safe redundancy is required. The package shall consist of two paired, 110V, 60 Hz powered, autonomous pumping assemblies, a sturdy steel frame, and a graduated polyethylene solution container with removable lid designed to work together to maintain a specific fill pressure in the glycol system(s). The makeup package must feature HOA controls for each magnetic starter, a protective low water cut-off alarm, two alternating _____ HP (1/3 or 1/2) motors with brass rotary vane pumps and a fail-safe alternator that allows one pump to operate if the other pump malfunctions, a pressure tank with pressure controls, pressure reducing valves, pressure gauges, and a system isolation valve. A 110V signal shall be available for a remote alarm.

Each glycol make-up package shall be model ZGMPT - _____ as manufactured by ZilmetUSA or approved equal.