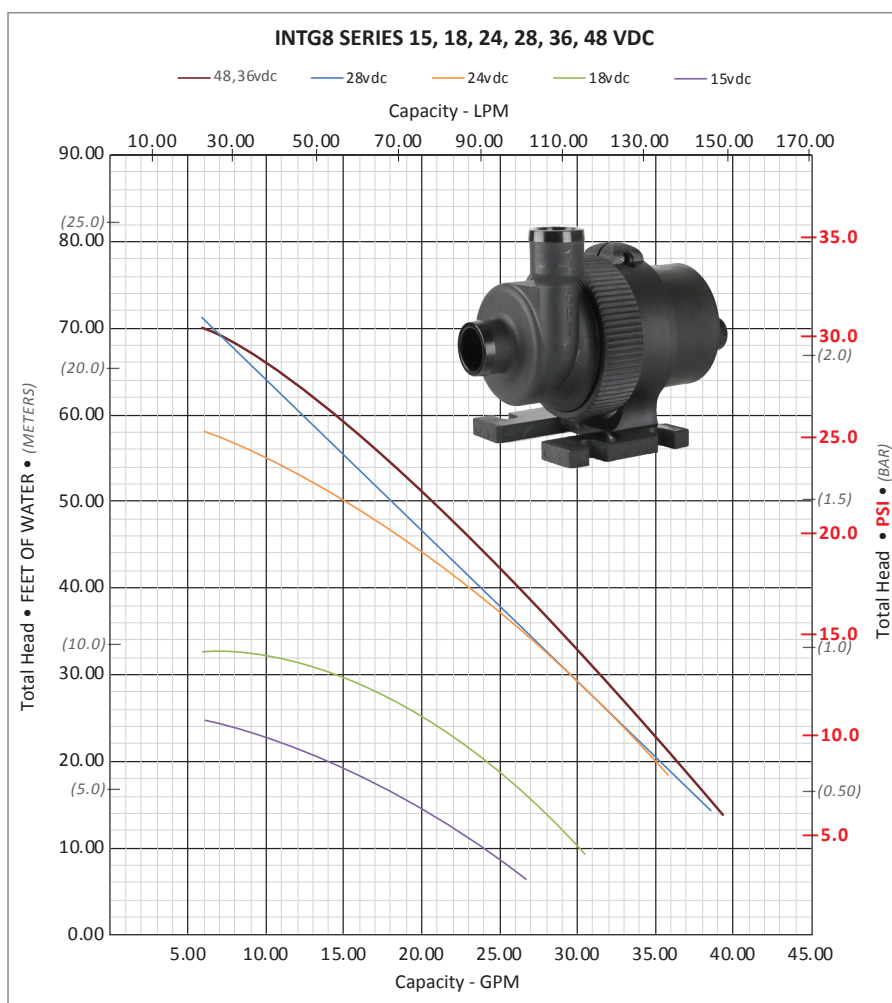


INTG8 Series • Maximum flow per voltage

Voltage	Flow (GPM)	Flow (L)	Ttl. Hd. (Ft)	Ttl. Hd. (PSI)	Ttl. Hd. (BAR)	Ttl. Hd. (M)
48 36vdc	39.29	148.74	13.84	6.00	0.41	4.22
28vdc	39.00	146.0	14.19	6.50	0.42	4.32
24vdc	36.00	136.0	18.0	7.76	0.54	5.46
18vdc	31.00	116.0	9.00	3.90	0.27	2.75
15vdc	27.00	101.0	6.36	2.76	0.19	1.94



Note: Testing performed in a controlled laboratory environment. Actual performance may vary (+) or (-) 10% from the information shown.

Do Not Run Pumps Dry. Pumps must be in a continuous flooded suction environment.

Specifications

Maximum System Pressure: 75 psi

Approximate Weight (w/ external box): 5.1 lbs (2313.32 grams)

Ports: 1.25" MHB

Materials In Contact With Solution

Body: PPS	Housing: PPS	Static O-Ring: EPDM, FKM
Impeller: PPS	Pump Shaft: Ceramic	

Motor Specifications

Motor: Integrated, Brushless DC

Supply Voltage: 12-24, 36, 48 VDC

Electronics Maximum Power:

390 Watts
To protect the control board, each Integrity Series pump will be issued with a Maximum Power limit (Watts). To stay within this limit, the recommended fuse size (Amps) will be based on the voltage supplied.
(Watts = Voltage X Amps)

Control Options

- **Direct Supply Voltage:** Speed of the pump determined by the voltage supplied
- **Analog:** 0-5v DC signal
- **Digital:** PWM
- **CAN-Bus:** J1939 - Contact GRI.
- **Tachometer:** Feedback option available

Maximum Fluid Rating Chart

Controller Position	Maximum Fluid Temp Rating
Separate from pump	221°F (105°C)
Within pump's housing	Not available
Various factors influence the recommended maximum temperature rating. These factors play a role in determining the pump's life and applied warranties. In some applications, a higher maximum fluid temperature rating may be warranted.	Factors influencing maximum temperature rating include, but are not limited to: <ul style="list-style-type: none"> • Starting temperature of fluid in system • Ambient temperature • Required performance, application's specifications • Run time

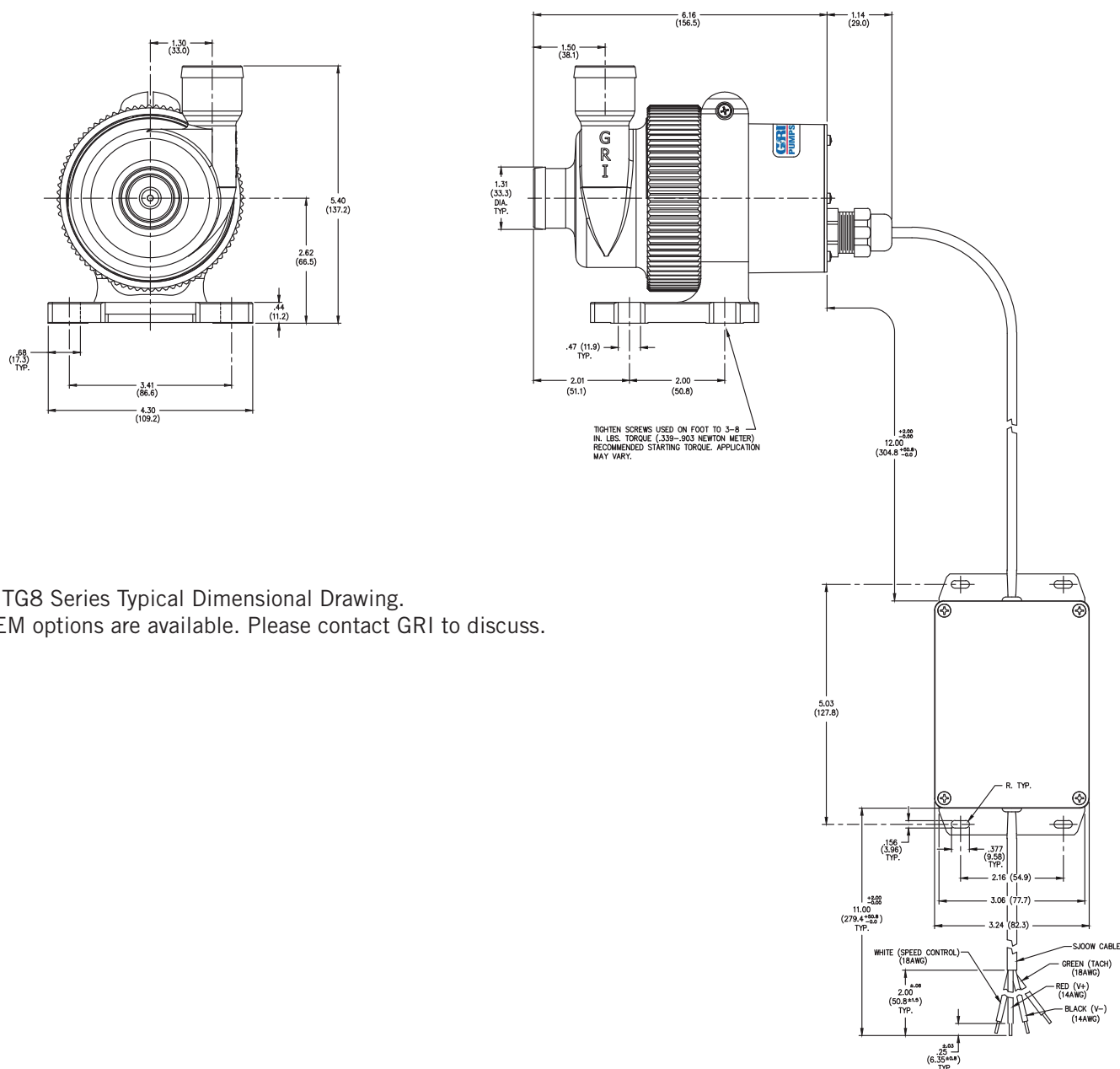
Available Agency Approvals

UL778: Motor-Operated Water Pumps

SAE J1455: Contact GRI

RoHS/REACH

Many GRI pumps are RoHS & REACH compliant. For declarations by specific model numbers, please contact GRI.



INTG8 Series Typical Dimensional Drawing.
OEM options are available. Please contact GRI to discuss.

Integrity Series Pumps are designed and manufactured specifically for OEM customization. If you don't immediately find a pump that meets your exact requirements, our dedicated Pump Team is ready to work with you in developing a solution specific to your application.

Model	Voltage (VDC)	Speed Control	Lead Wires	Max. Flow GPM (LPM)	Max. Head Feet (PSI)	Connections Inlet/Outlet (Inches)	O-Ring Material
INTG8-242	15-28	Direct	2 wires (+), (-)	39.0 (146.0)	77.0 (33.0)	1.25 MHB	EPDM
INTG8-244	24.0	PWM / Analog (0-5v Nominal)	4 wires (+), (-), Speed Control, Tach	36.0 (136.0)	59.0 (26.0)	1.25 MHB	EPDM
INTG8-482	36, 48	Direct	2 wires (+), (-)	38.0 (146.0)	69.0 (30.0)	1.25 MHB	EPDM
INTG8-484	48.0	PWM / Analog (0-5v Nominal)	4 wires (+), (-), Speed Control, Tach	38.0 (146.0)	75.0 (32.5)	1.25 MHB	EPDM

Connectors: MHB = Male Hose Barb | **O-Ring Material:** EPDM = Ethylene Propylene Diene Monomer, FKM = Fluoroelastomer (Available on request)