



The Pump People®

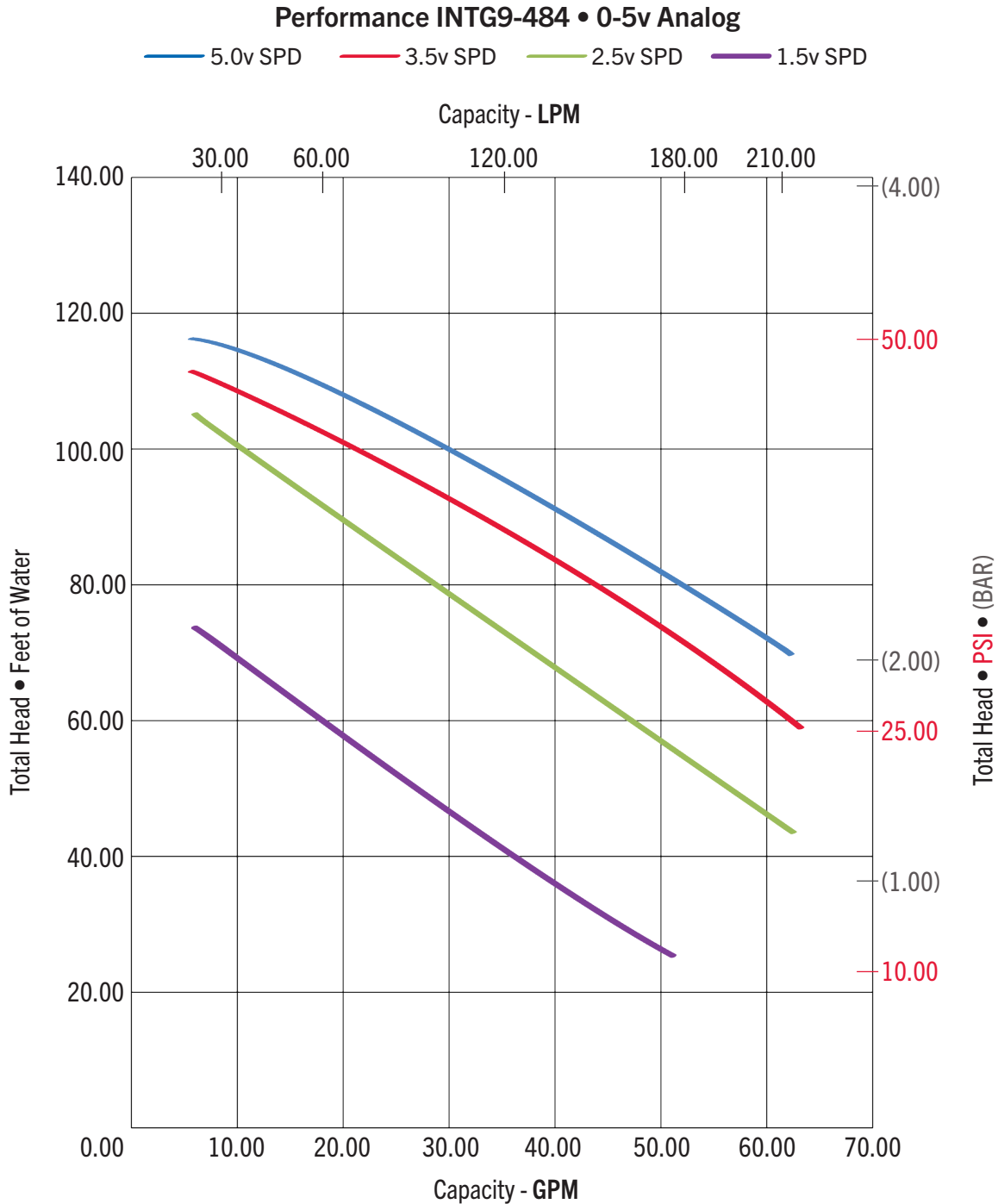


INTEGRITY^{series}™

INTG9-484

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DO NOT RUN PUMPS DRY. Must have a flooded suction environment.

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

**48 VDC
SPEED CONTROL
@ 5.0 VDC**

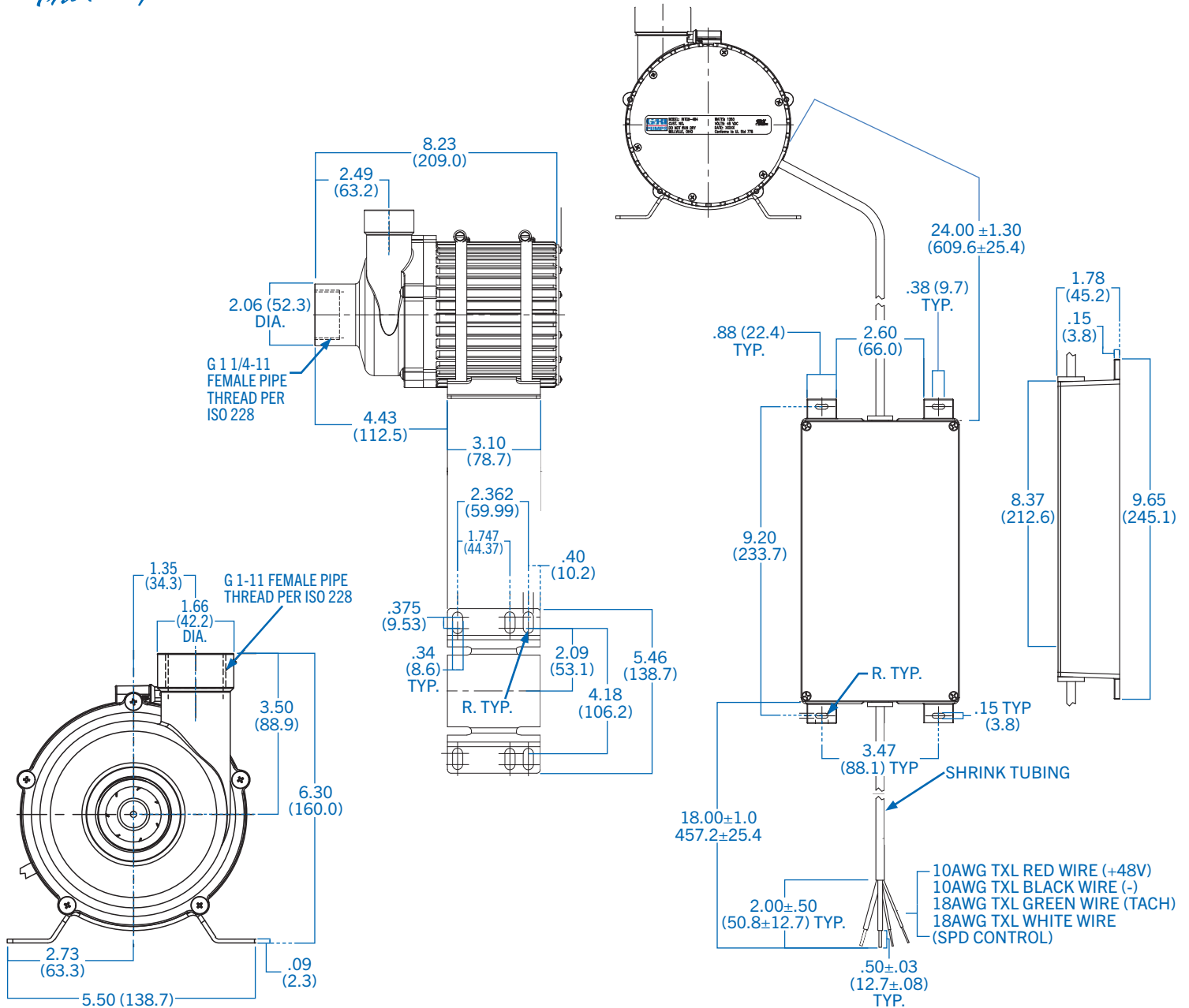
FLOW		TOTAL HEAD				POWER			
GPM	LPM	FEET	PSI	BAR	METER	WATTS	VOLTS	AMPS	TACH
67.98	257.32	41.45	17.97	1.24	12.64	1226.95	48.00	25.56	5668
62.95	238.31	49.78	21.58	1.49	15.18	1223.03	48.00	25.48	5588
59.52	225.32	57.30	24.84	1.71	17.47	1223.92	48.00	25.50	5606
54.37	205.82	64.01	27.75	1.91	19.51	1222.56	48.00	25.47	5602
48.55	183.77	68.42	29.66	2.05	20.86	1221.45	48.00	25.45	5610
44.27	167.60	74.21	32.17	2.22	22.62	1294.15	48.00	26.96	5491
39.53	149.65	79.66	34.54	2.38	24.29	1296.43	48.00	27.01	5500
33.81	127.97	82.25	35.66	2.46	25.08	1280.59	48.00	26.68	5514
28.83	109.13	88.68	38.45	2.65	27.04	1246.63	48.00	25.97	5559
23.70	89.73	95.82	41.54	2.86	29.21	1220.52	48.00	25.43	5633
18.77	71.04	100.88	43.73	3.02	30.76	1201.83	48.00	25.04	5770
13.70	51.85	110.74	48.01	3.31	33.76	1197.52	48.00	24.95	5982
856	32.41	108.18	46.90	3.23	32.98	1056.24	48.00	22.00	5968
6.01	22.74	114.00	49.42	3.41	34.75	993.29	48.00	20.69	5982
0.00	0.00	111.00	48.12	3.32	33.84	931.20	48.00	19.40	6056

**48 VDC
SPEED CONTROL
@ 3.0 VDC**

FLOW		TOTAL HEAD				POWER			
GPM	LPM	FEET	PSI	BAR	METER	WATTS	VOLTS	AMPS	TACH
60.17	227.78	38.20	16.56	1.14	11.65	914.50	48.00	19.05	5163
57.13	216.27	43.45	18.84	1.30	13.25	915.46	48.00	19.07	5188
51.42	194.65	50.70	21.98	1.52	15.46	916.47	48.00	19.09	5109
46.85	177.35	57.87	25.09	1.73	17.64	915.92	48.00	19.08	5112
41.54	157.23	63.11	27.36	1.89	19.24	916.04	48.00	19.08	5116
36.58	138.47	60.36	26.17	1.80	18.40	913.07	48.00	19.02	4843
31.25	118.29	62.48	27.08	1.87	19.05	916.89	48.00	19.10	4879
26.13	98.92	70.42	30.53	2.10	21.47	916.60	48.00	19.09	4983
20.79	78.68	80.10	34.72	2.39	24.42	915.45	48.00	19.07	5114
16.18	61.26	85.29	36.98	2.55	26.00	916.57	48.00	19.09	5255
10.86	41.10	91.74	39.77	2.74	27.97	914.10	48.00	19.04	5482
5.90	22.34	101.49	44.00	3.03	30.94	917.11	48.00	19.11	5742
0.00	0.00	107.16	46.46	3.20	32.67	895.26	48.00	18.65	5896

**48 VDC
SPEED CONTROL
@ 2.0 VDC**

FLOW		TOTAL HEAD				POWER			
GPM	LPM	FEET	PSI	BAR	METER	WATTS	VOLTS	AMPS	TACH
55.52	210.15	24.03	10.42	0.72	7.33	614.50	48.00	12.80	4509
51.38	194.51	29.45	12.77	0.88	8.98	609.93	48.00	12.71	4480
45.60	172.63	39.79	17.25	1.19	12.13	611.27	48.00	12.73	4460
40.18	152.11	44.27	19.19	1.32	13.50	610.39	48.00	12.72	4454
35.80	135.51	47.79	20.72	1.43	14.57	609.03	48.00	12.69	4484
29.46	111.53	48.22	20.91	1.44	14.70	608.17	48.00	12.67	4208
24.95	94.46	51.56	22.35	1.54	15.72	610.77	48.00	12.72	4288
19.88	75.27	60.44	26.20	1.81	18.43	613.20	48.00	12.77	4427
15.21	57.59	64.14	27.81	1.92	19.55	612.58	48.00	12.76	4577
10.19	38.58	71.56	31.02	2.14	21.82	608.43	48.00	12.67	4800
5.90	22.35	78.27	33.93	2.34	23.86	606.99	48.00	12.64	4978
0.00	0.00	75.86	32.89	2.27	23.13	607.36	48.00	12.65	5049



Model	Voltage (VDC)	Speed Control	Lead Wires	Max Flow GPM (LPM)	Max Head Ft. (PSI) (m)	Connections Inlet/Outlet	O-Ring Material
INTG9-484	48	PWM / Analog (0-5v Nominal)	4 wires (+), (-), Speed Control, Tach	67.98 (257.32)	41.45 (17.97) (12.64)	1.5, 2" MHB	EPDM, FKM
Connectors: MHB = Male Hose Barb MPT = Male Pipe Thread O-Ring Material: EPDM = Ethylene Propylene Diene Monomer, FKM = Fluoroelastomer							

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

GENERAL SPECIFICATIONS

Suction Port	2" MHB
Discharge Port	1 1/2" MHB
Mounting Bracket	Aluminum
Max Fluid Temp	176 °F (80 °C)
Max System Pressure	75 PSI
Weight (w/ External Box)	18 lbs

WETTED MATERIALS

Pump Body	304 SS
Impeller	PPS
Impeller Shaft	Silicone Carbide
Static O-Ring	EPDM, FKM

RoHS / REACH & AGENCY APPROVALS

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

AGENCY APPROVALS	UL
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Installation & Startup | Quick Guide

PLEASE READ to maximize the efficiency and life of your GRI pump

Before Powering:

- See Electrical Specifications page for wiring and electrical details.
- Do not apply power unless the pump is filled and connected to the fluid supply.

DO NOT RUN DRY:

- Never operate the pump without fluid in the pump cavity. Dry-running will severely damage or destroy the pump.

Flooded Suction:

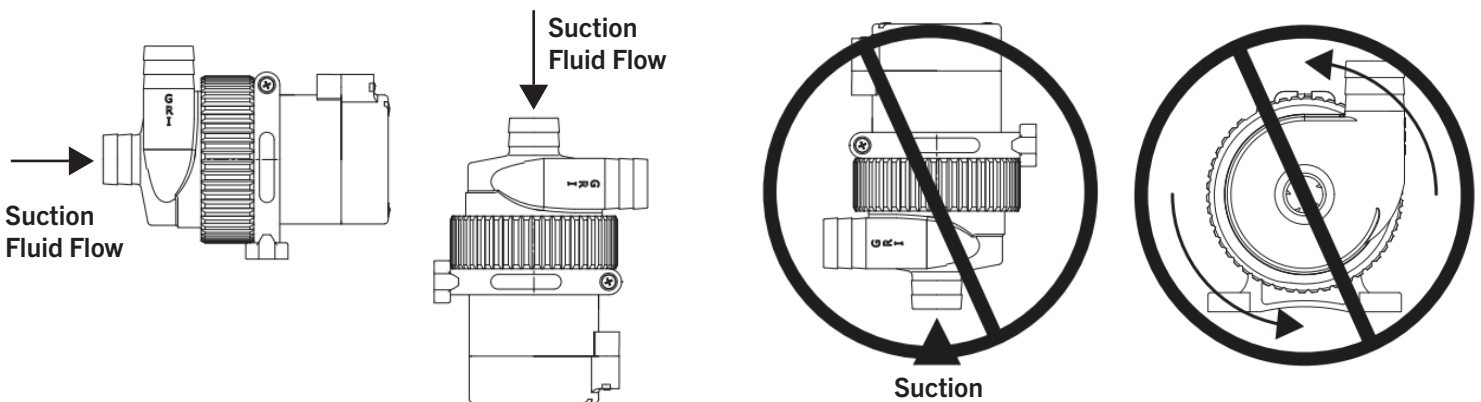
- The fluid source must be above the pump suction port so the cavity is filled before and during operation. Starved suction reduces life or causes failure.

Supply Line:

- Provide at least 6.0" (152.4 mm) of straight suction tubing before any elbows/turns.
- Avoid flexible or weak-walled tubing (it can collapse from suction and block flow). Restricted flow, cavitation, or starvation will shorten pump life or destroy it.

Pump Orientation:

- Best: suction port horizontal or facing up.
- Do not install with suction port facing down (may cause starvation and overload)



Pump Body Rotation:

- Do not loosen, turn, or reposition the pump body—this can cause leaks.
- If body rotation is required, contact your GRI representative; GRI can rotate the body prior to shipping.

Contact your GRI representative with questions regarding this information sheet.