

# PINNACLE GAS PRODUCTS, LLC

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## PUMPS

### BLACKMER LGF SERIES



BLK-LGF1PE PUMP, 1"



BLK-LGF1PE-ASSBY PUMP 1", 1HP MOTOR, ASSBY W/FOOT MNT

### Performance Data

ASSEMBLED PUMP UNITS		PUMP AND MOTOR SPEED (RPM) <sup>1</sup>	APPROX DELIVERY OF PROPANE @ DIFF PRESSURES AND PUMP SPEEDS				MAXIMUM DIFFERENTIAL PRESSURE		MAXIMUM WORKING PRESSURE <sup>2</sup>		TYPICAL MOTOR <sup>3</sup>	MOTOR SIZE FOR STANDARD BASE <sup>4</sup>	
MODEL	RV SETTING		50 PSI (3.5 Bar)		100 PSI 6.9 (Bar)		PSI	Bar	PSI	Bar	HP	MINIMUM FRAME	MAXIMUM FRAME
			GPM	LPM	GPM	LPM							
LGF1P	120 PSI (8.3 Bar)	1750	13.0	49.2	10.0	37.9	125	8.6	350	24.1	1.5	56C	184C <sup>4</sup>

### BLACKMER LGL SERIES



LGL 1.25  
LGL 1.5

Assembled Pump Units		Pump and Motor Speed RPM	Approximate Delivery of Propane at Differential Pressures and Pump Speeds Shown <sup>1</sup>				Maximum Differential Pressure		Maximum Differential Pressure <sup>2</sup>		Motor Size For Mounting on Standard Base <sup>3</sup>	
Model	Factory Relief Valve Settings		50 PSI (3.45 Bar)		100 PSI (6.89 Bar)		PSI	Bar	PSI	Bar	Minimum Frame Size	Maximum Frame Size
			GPM	LPM	GPM	LPM						
LGL1.25-DM	150 psi (10.34 Bar)	1,750	21.0	79.5	18.0	68.1	150	10.34	350	24.13	56	215
		1,150	13.0	49.2	10.0	37.9	150	10.34	350	24.13	56	215
LGL1.5-DM	150 psi (10.34 Bar)	1,750	33.0	124.9	29.0	109.8	150	10.34	350	24.13	56	215
		1,150	20.0	75.7	17.0	64.4	150	10.34	350	24.13	56	215

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### BLACKMER LGL SERIES



Assembled Pump Units		Pump Speed RPM (Using 1,750 RPM Motor)	Approximate Delivery of Propane at Differential Pressures and Pump Speeds Shown <sup>1</sup>				Maximum Differential Pressure		Maximum Working Pressure <sup>2</sup>		Drive Rating (Maximum Horsepower Drive Will Transmit) <sup>3</sup>			Motor Size For Mounting on Standard Base <sup>4</sup>	
Model	Factory Relief Valve Setting		50 PSI (3.45 Bar)		100 PSI (6.89 Bar)		PSI	Bar	PSI	Bar	0-3 Hour Duty	3-4 Hour Duty	8-24 Hour Duty	Minimum Frame Size	Maximum Frame Size
			GPM	LPM	GPM	LPM									
LGLD2-VB	150 PSI (10.34 Bar)	660	67	254	57	216	150	10.34	350	24.13	9.2	9.2	7.8	184T	213T
		520	50	189	41	155	150	10.34	350	24.13	6.4	6.4	5.4	182T	184T
		420	40	151	30	114	150	10.34	350	24.13	4.8	4.8	4.0	182T	184T
		330	30	114	23	87	150	10.34	350	24.13	3.1	3.1	2.6	182T	182T
LGLD3-VB	150 PSI (10.34 Bar)	640	133	503	112	424	150	10.34	350	24.13	12.1	12.1	10.2	215T	254T
		520	108	409	84	318	150	10.34	350	24.13	8.9	8.9	7.5	213T	215T
		420	80	303	60	227	150	10.34	350	24.13	7.3	7.3	6.1	213T	215T
		340	59	223	42	159	150	10.34	350	24.13	5.4	5.4	4.5	184T	184T

### BLACKMER TLGLF SERIES



Standard Pump		Pump Speed RPM	Approximate Delivery of Propane at Differential Pressures and Pump Speeds Shown <sup>1</sup>										Maximum Differential Pressure		Maximum Working Pressure <sup>2</sup>			
Model	Factory Relief Valve Setting		50 PSI (3.45 bar)					100 PSI (6.89 Bar)					PSI	Bar	PSI	Bar		
			GPM	LPM	BHP	KW	Torque		GPM	LPM	BHP	KW					Torque	
		ft-lb					Kg-m	ft-lb									Kg-m	
TLGLF3	150 PSI (10.34 Bar)	870	129	488	6.5	4.8	45.9	6.3	119	450	10.9	8.1	72.5	10	125	8.62	350	24.13
		800	118	446	5.1	3.8	44.2	6.1	107	405	8.7	6.5	69.7	9.6	125	8.62	350	24.13
		650	93	352	4.3	3.2	40.4	5.6	83	314	7.9	5.9	63.7	8.8	125	8.62	350	24.13
		600	85	322	4	3	39.3	5.4	75	284	7.1	5.3	62.2	8.6	125	8.62	350	24.13
		500	70	265	3.6	2.7	37.4	5.2	68	257	6	4.5	61.5	8.5	125	8.62	350	24.13
TLGLF4	150 PSI (10.34 Bar)	400	52	197	2.8	2.1	36.2	5	40	151	4.8	3.6	60.8	8.4	125	8.62	350	24.13
		870	379	1,436	26	19	154	21	329	1,244	38	28	229	32	125	8.62	350	24.13
		800	350	1,325	22	16	143	20	306	1,158	34	25	223	31	125	8.62	350	24.13
		650	280	1,060	15.5	11.6	125.2	17.3	245	927	25.0	18.6	201.9	27.9	125	8.62	350	24.13
		600	260	984	14.3	10.7	125.1	17.3	220	833	23.0	17.2	201.3	27.8	125	8.62	350	24.13
TLGLF4	150 PSI (10.34 Bar)	500	210	795	11.9	8.9	125.0	17.3	170	644	19.0	14.2	199.5	27.6	125	8.62	350	24.13
		400	160	606	9.5	7.1	124.7	17.2	120	454	15.2	11.3	199.5	27.6	125	8.62	350	24.13

## COMPRESSORS

### BLACKMER LB SERIES



### LPG COMPRESSOR SELECTION GUIDE

Driver Size	100% Propane									
	3.7 kw 5 hp	5.5 kw 7.5 hp	7.5 kw 10 hp	11 kw 15 hp	15 kw 20 hp	18.5 kw 25 hp	22 kw 30 hp	30 kw 40 hp	30 kw 40 hp	37 kw 50 hp
Model	LB161 LB162	LB161 LB162	LB361 LB362	LB361 LB362	LB601 LB602	LB601 LB602	LB601 LB602	LB601 LB602	LB942	LB942
Compressor RPM	560	725	545	725	580	680	740	800	630	770
Capacity (M <sup>3</sup> /hr)	15.0	19.3	31	41	58	68	74	80	118	144
Time Factor	9.30	7.20	4.44	3.36	2.52	2.16	1.98	1.80	1.20	0.96
Vapor Line (mm)	25	32	32	38	50	50	50	65	75	100
Liquid Line (mm)	50	65	75	75	100	100	100	100	150	150

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## Coro-Flo® Pumps

Regenerative Turbine  
Liquid Pump



Specifications	Model				
	9	10	12	13	14
Inlet	1-1/4" NPT	1-1/4" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT
Outlet	1" NPT	1" NPT	1" NPT	1" NPT	1" NPT
RPM—50 Hz	(a)	2,880	2,880	2,880	2,880
RPM—60 Hz	3,450	3,450	3,450	3,450	3,450
Max. differential press.	-	60 (4.1)	75 (5.2)	75 (5.2)	75 (5.2)
50 Hz (bar)	70 (4.8)	70 (4.8)	100 (6.9)	125 (8.6)	125 (8.6)
60 Hz (bar)					
Mounting options					
Close coupled	Yes	Yes	Yes	Yes	Yes
Direct driven (101)	Yes	Yes	Yes	Yes	Yes
V-belt (103)	Yes	Yes	Yes	Yes	Yes
Direct mounted frame (DS/DL)	Yes	Yes	Yes	Yes	Yes
Double seal option (except C-model)	Yes	Yes	Yes	Yes	Yes
Flange option 1-1/2" x 1" – 300# (except C-model)	Yes	Yes	Yes	Yes	Yes
Impeller material options	Bronze (standard), ductile iron, stainless steel				
O-ring material options	Buna N (standard), Neoprene®, Teflon®, Viton®, ethylene-propylene <sup>1</sup>				
Seal seat material opt.	Cast Iron (standard), Ni-Resist, stainless steel, tungsten carbide, ceramic				
Temperature (minimum/maximum)	-25/25°F -32/107°C	-25/225°F -32/107°C	-25/225°F -32/107°C	-25/225°F -32/107°C	-25/225°F -32/107°C
Maximum driver	5 hp 3.7 kW	5 hp 3.7 kW	10 hp 7.5 kW	10 hp 7.5 kW	20 hp 15 kW

## Coro-Vane® Pumps

Sliding Vane Positive Displacement  
Liquid Pump



Specifications	Model			
	C51/F51	521	1021	F1021
Suction flange	1"	2-1/2"	3"	3" 300# ASA
Discharge flange	3/4"	2"	3"	2-1/2" 300# ASA
Minimum RPM	1,450	420	420	420
Maximum RPM	1,750	950	950	950
Minimum temperature	-25 °F (-32 °C)			
Maximum temperature	225 °F (107 °C)			
Max. working pressure psig (bar)	350 (25.2)	400 (28.6)	400 (28.6)	400 (28.6)
Max. differential pressure psid (bar)	125 (8.6)	125 (8.6)	125 (8.6)	125 (8.6)
Suction flange option	No	2"	4"	No
Discharge flange option	No	2-1/2"	4"	No
Internal relief	Yes	Yes	Yes	No
O-ring material options:	Buna N (standard), Teflon®, Viton®, Neoprene® <sup>1</sup>			
Seal seat material options:	Cast iron (standard), stainless steel, Ni-Resist			
Steel slip-on flange option (suction & discharge)	No	Yes	Yes	No
Discharge flange option elbow (2" or 1-1/2")	No	Yes	No	No
Cast steel case option	No	Yes	No	No
Maximum driver	2 hp 1.5 kW	10 hp 7.5 kW	20 hp 15 kW	20 hp 15 kW

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