

Gas/Diesel Pump Matrix Chart

If you don't see a pump that would fit your application needs, you can custom build a pump to your desired specifications. Use this Pump Matrix Chart as a guide for creating your very own custom gas/diesel pump. For assistance in building your pump, call your local BVA Representative.

P	G	90	S4L	10	-	A	G
1	2	3	4*	5		7	
Product Type	Motor Type	Flow Group	Valve Type /Operation	Reservoir Size		Pump Options	

1 - Product Type

P Pump

2 - Motor Type

G Gas Motor
D Diesel Motor

3 - Flow Group

70 427/100 in³/min @ 700/10,000 psi, 5.5 Hp
80 600/200 in³/min @ 700/10,000 psi, 7.3 Hp
90 1070/200 in³/min @ 700/10,000 psi, 10.2 Hp

4* - Valve Type/Operation

CMR Pump Mounted Manifold Block - Pressure & Return Ports Only

DSP Dump Solenoid Valve w/pendant 3W/2P (Spool Type Valve)

H2S Solenoid Valve 2W/2P - Pendant Control On/Off Only (Poppet Type Valve)

M2N Manual Valve 3W/2P

M3N Manual Valve 3W/3P

M4N Manual Valve 4W/3P

M3L Manual Valve 3W/3P w/Locking Plate

M4L Manual Valve 4W/3P w/Locking Plate

S3N Solenoid Valve 3W/3P (Spool Type)

S4N Solenoid Valve 4W/3P (Spool Type)

S3L Solenoid Valve 3W/3P w/Locking Plate (Spool Type Valve)

S4L Solenoid Valve 4W/3P w/Locking Plate (Spool Type Valve)

5 - Reservoir Size

5 5 Gallons
10 10 Gallons
15 15 Gallons
25 25 Gallons
40 40 Gallons

6 - Pump Options

A External Pressure Adjustment Block (available on any models with 3W/3P or 4W/3P)

G Gauge w/Gauge Adapter 0-15,000 psi 2-1/2" Wet - Installed "A" Port

P Pressure Switch (available on solenoid equipped models only)

E Foot Control Switch (available on solenoid equipped models only)

W Wireless Control (available on solenoid equipped models only)

* Solenoid options are not available on the PG70 Series Gas Pumps

Not all options are available in all configurations. Table is for reference only. Please consult your local BVA dealer if you want to order a custom pump or if you have questions.



PG/PD Series

Ordering Example

PG90S4L10

After reviewing this model number, we know that the pump has the following specifications:

- Gasoline power source
- 10.2 Hp flow group
- Solenoid Valve w/Locking Plate 4W/3P
- 10 gallon reservoir tank



PG90S4L10

Roll Cages



All gas and diesel pumps are equipped with roll cages to prevent any damage that might occur on a job site.

Wireless Controller



PG90 and PD80 pumps have an optional wireless controller. Visit the gas/diesel pump matrix and pump accessories page for more details.

pg 71

Optional Electric Start



PG90 has an optional electric start. PD80 comes standard with an electric start. Refer to the Gas/Diesel Pump Matrix.

Motor HP / Type	Usable Oil Capacity			
	5 Gallons	10 Gallons	15 Gallons	40 Gallons
	Model Number	Model Number	Model Number	Model Number
Gas - 5.5 Hp Honda	PG70M3N05	-	-	-
Gas - 10.2 Hp Honda	PG90S3L05	PG90S3L10	PG90S3L15	PG90S3L40
Diesel - 7.3 Hp HATZ	PD80S3L05	PD80S3L10	PD80S3L15	PD80S3L40
Gas - 5.5 Hp Honda	PG70M4N05	-	-	-
Gas - 10.2 Hp Honda	PG90S4L05	PG90S4L10	PG90S4L15	PG90S4L40
Diesel - 7.3 Hp HATZ	PD80S4L05	PD80S4L10	PD80S4L15	PD80S4L40



Gas and Diesel Pumps

PG70/PG90/PD80 Series



www.buffalohydraulic.com

(716) 893-6510

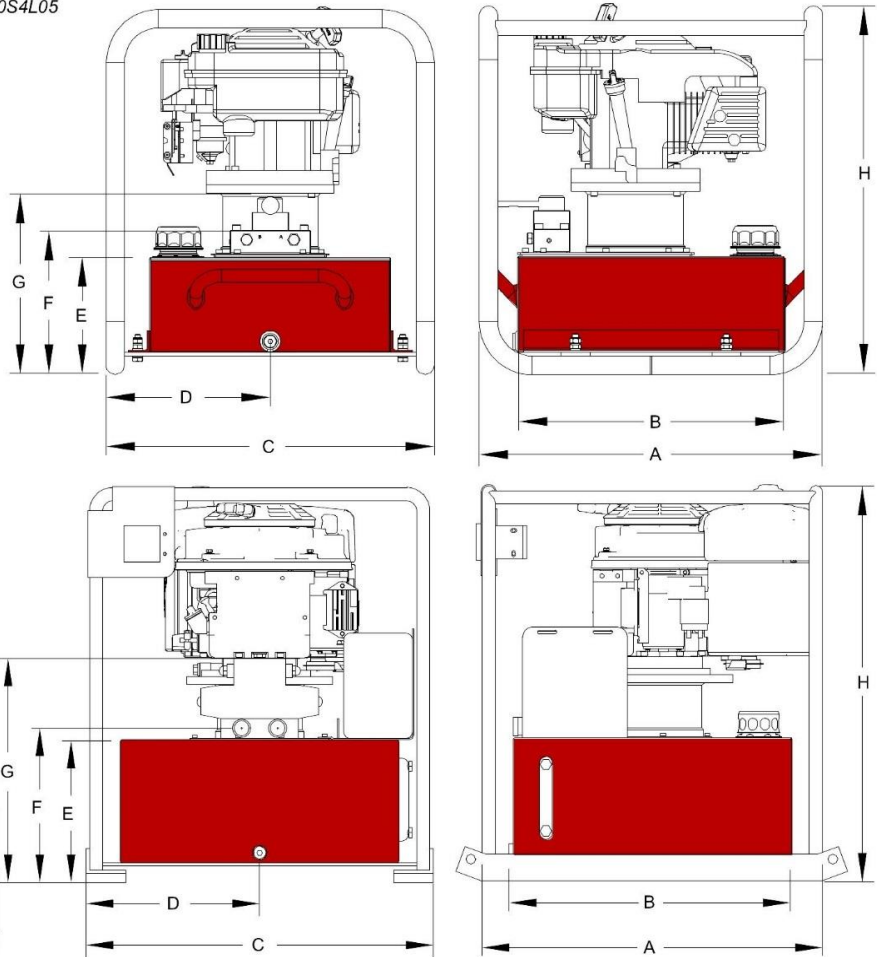


80% **Safety Practices**
 Good industry practice recommends not exceeding 80% of maximum rated capacities of all our products.

Related Product: Gauges
 Reduce the risk of overloading your product by using a gauge. A variety of graduations and types to suit any need. pg 69

Safety Instructions
 Visit our DO'S and DON'TS section to review the best methods of operation. Always be prepared. pg 92

Related Product: Hoses
 We offer a variety of hoses, fittings, lengths and materials. pg 72



Model Number*	Dimensions (in)								Weight** (lbs)
	A	B	C	D	E	F	G	H	
Gas Pumps									
PG70xxx05	26.57	21.50	20.94	10.47	11.50	12.43	15.47	24.70	162
PG90xxx10	28.25	23.37	27.00	13.50	12.00	12.93	17.38	24.70	303
PG90xxx15	28.25	23.37	27.00	13.50	12.00	12.93	17.38	24.70	372
Diesel Pumps									
PD80xxx05	26.57	21.50	20.94	10.47	11.50	12.43	15.47	32.60	255
PD80xxx10	28.25	23.37	27.00	13.5	12.00	12.93	17.38	32.60	329
PD80xxx15	28.25	26.00	27.00	13.5	12.00	12.93	17.38	32.60	403

* "xxx" in the model number refers to the type of valve you may use on the gas/diesel engine pump. Refer to your local BVA dealer or the Matrix Chart (on page 61) to build your own pump.
 ** Pump weights include oil.