

Poly Diaphragm Pump Series

Series 9910-DP423, DP573, and DP763



- Glass-filled polypropylene construction of head, manifold and control components for the maximum in chemical resistance
- Flow rate up to 11.5 gpm (43.3 lpm), 15.6 gpm (59 lpm) and 20.2 gpm (76.5 lpm) pressure up to 290 psi (20 bar)
- 3 cylinder design eliminates the need for pulsation dampening devices and lengthens the life of the entire pumping system
- Kynar™ and 300 series stainless steel valve design for higher flow and better corrosion resistance
- The external inlet and outlet manifold design vs. an internal manifold design allows for easy valve replacement and lower cost repairs

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Description
9910-DP423	11.5	43.3	290	20	Poly Diaphragm Pump
9910-DP423GRGI	11.5	43.3	290	20	Poly Diaphragm Pump with Gearbox and Control Unit
9910-DP573	15.6	59.1	290	20	Poly Diaphragm Pump
9910-DP573GRGI	15.6	59.1	290	20	Poly Diaphragm Pump with Gearbox and Control Unit
9910-DP763	20.2	76.4	290	20	Poly Diaphragm Pump
9910-DP763GRGI	20.2	76.4	290	20	Poly Diaphragm Pump with Gearbox and Control Unit
9910-GS25	Control Unit (DP 423)				
9910-GS35S	Control Unit (DP573 & DP763)				

DP423

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM			
0 PSI	7.5	0.18	8.5	0.20	9.4	0.29	10.5	0.35	11.5	0.42		
0 BAR	28.3	0.18	32.2	0.20	35.6	0.29	39.5	0.35	43.3	0.42		
72 PSI	7.3	0.46	8.3	0.53	9.2	0.61	10.2	0.68	11.0	0.77		
5 BAR	27.4	0.46	31.2	0.53	34.6	0.61	38.5	0.68	41.5	0.77		
145 PSI	7.2	0.77	8.2	0.87	9.1	0.98	10.1	1.11	11.0	1.21		
10 BAR	27.3	0.77	31.1	0.87	34.5	0.98	38.2	1.11	41.4	1.21		
217 PSI	7.0	1.06	8.1	1.21	9.1	1.37	10.0	1.51	10.8	1.68		
15 BAR	26.5	1.06	30.5	1.21	34.5	1.37	37.7	1.51	40.7	1.68		
290 PSI	6.9	1.33	7.8	1.53	9.1	1.74	9.8	1.93	10.6	2.14		
20 BAR	26.0	1.33	29.5	1.53	34.2	1.74	37.0	1.93	40.1	2.14		

DP573

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM			
0 PSI	10.4	0.14	11.7	0.17	13.0	0.24	14.3	0.32	15.6	0.43		
0 BAR	39.5	0.10	44.3	0.13	49.1	0.18	54.3	0.24	59.1	0.32		
72 PSI	10.3	0.54	11.6	0.62	12.6	0.67	14.2	0.77	15.5	0.83		
5 BAR	39.0	0.40	43.8	0.46	47.7	0.50	53.9	0.57	58.6	0.62		
145 PSI	10.1	0.95	11.4	1.09	12.6	1.22	14.1	1.28	15.2	1.41		
10 BAR	38.4	0.71	43.0	0.81	47.6	0.91	53.3	0.95	57.5	1.05		
217 PSI	9.9	1.33	11.1	1.50	12.5	1.71	13.9	1.89	14.9	2.07		
15 BAR	37.3	0.99	41.9	1.12	47.4	1.28	52.7	1.41	56.4	1.54		
290 PSI	9.7	1.60	10.8	1.88	12.5	2.14	13.8	2.43	14.8	2.64		
20 BAR	36.8	1.19	40.9	1.40	47.3	1.60	52.3	1.81	56.1	1.97		

DP763

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM			
0 PSI	13.7	0.20	15.3	0.29	17.1	0.39	18.8	0.51	20.2	0.63		
0 BAR	51.8	0.15	57.8	0.22	64.9	0.29	71.0	0.38	76.4	0.47		
72 PSI	13.4	0.71	15.2	0.77	16.8	0.90	18.4	0.98	20.1	1.11		
5 BAR	50.9	0.53	57.6	0.57	63.5	0.67	69.8	0.73	76.0	0.83		
145 PSI	13.3	1.21	15.0	1.39	16.7	1.58	18.4	1.76	19.9	1.93		
10 BAR	50.5	0.90	56.8	1.04	63.4	1.18	69.7	1.31	75.4	1.44		
217 PSI	12.8	1.76	14.9	2.02	16.7	2.25	18.1	2.50	19.5	2.75		
15 BAR	48.5	1.31	56.3	1.51	63.1	1.68	68.6	1.86	73.9	2.05		
290 PSI	12.7	2.12	14.6	2.49	16.5	2.77	18.0	3.12	19.4	3.45		
20 BAR	48.0	1.58	55.4	1.86	62.3	2.07	68.2	2.33	73.4	2.57		

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Low Pressure, 2 Diaphragm

Model 9910-D70 and D70GR



- Max. fluid temperature: 140°F/60°C
- Port sizes: 1-1/4" inlet, 1" outlet, hose barb
- Diaphragms: 2, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling: epoxy-coated
- Pump shaft rotation: CW and CCW
- For shaft kits and other drive options, see pages 81-82.
- Recommended control unit: 3300-0087 or 3300-0088, see page 84.
- Weight: 22 lbs./10 kg (D70); 31 lbs./14 kg (D70GR)

Pressure in PSI and BAR	GPM		GPM		GPM		GPM		GPM	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM	
0 PSI	13.6	0.33	15.1	0.40	16.9	0.48	18.4	0.58	19.6	0.80
0 BAR	51.2	0.33	57.1	0.40	63.7	0.48	69.4	0.58	74.1	0.80
72 PSI	11.2	0.73	12.7	0.79	14.1	0.91	15.6	1.01	17.0	1.09
5 BAR	42.3	0.73	47.9	0.79	53.2	0.91	58.8	1.01	64.3	1.09
145 PSI	11.0	1.20	12.4	1.39	13.9	1.63	15.2	1.66	16.6	1.91
10 BAR	41.4	1.20	46.9	1.39	52.6	1.63	57.3	1.66	62.7	1.91
217 PSI	10.7	1.71	12.3	2.10	13.8	2.19	15.1	2.36	16.3	2.63
15 BAR	40.4	1.71	46.3	2.10	52.2	2.19	57.1	2.36	61.6	2.63
290 PSI	10.6	2.18	12.1	2.46	13.7	2.77	15.0	3.12	16.1	3.39
20 BAR	40.0	2.18	45.7	2.46	51.8	2.77	56.7	3.12	60.6	3.39

All HP requirements listed in the table are electrical.
For approximate gasoline equivalent, multiply by 1.3.

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Shaft Output
9910-D70	19.6	74.2	290	20	550	Select shaft kit for desired drive
9910-D70GR	19.6	74.2	290	20	3600	3/4" hollow shaft w/ gear reduction for 5 hp gas engine

Low Pressure, 3 Diaphragm

Model 9910-D115 and D115GR34



- Max. fluid temperature: 140°F/60°C
- Port sizes: 1-1/2" inlet, 1" outlet, hose barb
- Diaphragms: 3, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling: epoxy-coated
- Pump shaft rotation: CW and CCW
- For shaft kits and other drive options, see pages 81-82.
- Recommended control unit: 3300-0087 or 3300-0088, see page 84.
- Weight: 35 lbs./15.9 kg (D115); 44 lbs./20 kg (D115GR34)

Pressure in PSI and BAR	GPM		GPM		GPM		GPM		GPM	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM	
0 PSI	18.9	0.33	21.4	0.40	23.9	0.45	26.4	0.69	28.6	0.91
0 BAR	71.5	0.33	80.9	0.40	90.1	0.45	99.7	0.69	107.9	0.91
72 PSI	18.6	1.13	20.7	1.18	23.4	1.40	25.5	1.62	27.9	1.83
5 BAR	70.0	1.13	78.2	1.18	88.5	1.40	96.1	1.62	105.3	1.83
145 PSI	18.3	1.89	20.5	2.13	23.2	2.47	25.3	2.82	27.7	2.99
10 BAR	69.0	1.89	77.4	2.13	87.5	2.47	95.6	2.82	104.4	2.99
217 PSI	18.2	2.72	20.4	3.11	23.1	3.51	25.1	3.88	27.6	4.33
15 BAR	68.6	2.72	77.0	3.11	87.0	3.51	94.7	3.88	104.0	4.33
290 PSI	18.0	3.45	20.3	3.98	22.9	4.54	25.0	5.09	27.5	5.51
20 BAR	68.0	3.45	76.7	3.98	86.2	4.54	94.2	5.09	103.8	5.51

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Shaft Output
9910-D115	28.6	108.3	290	20	550	Select shaft kit for desired drive
9910-D115GR34	28.6	108.3	290	20	3600	3/4" hollow shaft w/ gear reduction for 5 hp gas engine

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Low Pressure, 3 Diaphragm

Model 9910-D135



- Max. fluid temperature: 140°F/60°C
- Port sizes: 1-1/2" inlet, 1" outlet, hose barb
- Diaphragms: 3, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling: epoxy-coated
- Pump shaft rotation: CW and CCW
- Recommended control unit: 3300-0087 or 3300-0088, see page 84.
- Weight: 38 lbs./17.2 kg

Order Information

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM			
0 PSI	22.6	0.51	25.8	0.69	28.8	0.92	31.5	1.22	33.9	1.45		
0 BAR	85.4	0.51	97.3	0.69	108.8	0.92	118.8	1.22	128.0	1.45		
72 PSI	22.2	1.31	25.3	1.64	28.3	1.84	31.2	2.09	33.3	2.44		
5 BAR	83.8	1.31	95.6	1.64	106.7	1.84	117.6	2.09	125.8	2.44		
145 PSI	22.1	2.29	25.2	2.65	28.2	2.97	31.1	3.45	33.2	3.88		
10 BAR	83.4	2.29	95.2	2.65	106.3	2.97	117.2	3.45	125.3	3.88		
217 PSI	22.0	3.21	25.1	3.80	28.0	4.31	30.8	4.80	33.1	5.32		
15 BAR	83.0	3.21	94.6	3.80	105.7	4.31	116.3	4.80	124.9	5.32		
290 PSI	21.7	4.23	24.8	4.88	27.9	5.45	30.7	6.21	33.0	6.84		
20 BAR	81.9	4.23	93.4	4.88	105.3	5.45	115.7	6.21	124.6	6.84		

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Shaft Output
9910-D135	33.9	128.3	290	20	550	1-3/8"- 6 splined male shaft

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

Low Pressure, 4 Diaphragm

Model 9910-D160



- Max. fluid temperature: 140°F/60°C
- Port sizes: 2" inlet, 1-1/2" outlet, hose barb
- Diaphragms: 4, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling: epoxy-coated
- Pump shaft rotation: CW and CCW
- For hydraulic drive adaption, see page 82.
- Recommended control unit: 3300-0087 or 3300-0088, see page 84.
- Weight: 66 lbs./30 kg

Order Information

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM			
0 PSI	27.9	0.61	32.1	0.80	35.1	1.03	38.9	1.33	41.9	1.68		
0 BAR	105.3	0.61	121.0	0.80	132.3	1.03	146.6	1.33	158.1	1.68		
72 PSI	26.4	1.51	30.0	1.73	33.6	2.01	37.1	2.18	40.9	2.50		
5 BAR	99.7	1.51	113.1	1.73	127.0	2.01	139.9	2.18	154.2	2.50		
145 PSI	25.4	2.48	28.7	2.91	32.6	3.28	35.7	3.74	38.9	4.13		
10 BAR	95.7	2.48	108.5	2.91	122.9	3.28	134.8	3.74	146.8	4.13		
217 PSI	24.3	3.45	27.7	4.06	31.0	4.58	34.4	5.13	37.6	5.73		
15 BAR	91.8	3.45	104.5	4.06	117.0	4.58	129.8	5.13	141.9	5.73		
290 PSI	23.6	4.50	26.9	5.18	30.2	5.86	33.7	6.45	36.8	7.26		
20 BAR	89.1	4.50	101.6	5.18	114.1	5.86	127.0	6.45	138.9	7.26		

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Shaft Output
9910-D160	41.9	155.1	290	20	550	1-3/8"- 6 splined male shaft

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

Low Pressure, 6 Diaphragm

Model 9910-D250



- Max. fluid temperature: 140°F/60°C
- Port sizes: 2" inlet, 1-1/2" outlet, hose barb
- Diaphragms: 6, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling: epoxy-coated
- Mounting base: included
- Pump shaft rotation: CW and CCW
- For hydraulic drive adaption, see page 82.
- Recommended control unit: 3300-0082, see page 84.
- Weight: 92 lbs./41.7 kg

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM			
0 PSI	42.7	0.71	48.3	0.90	54.3	1.22	59.8	1.60	65.7	2.01		
0 BAR	161.2	0.71	182.5	0.90	204.8	1.22	225.7	1.60	248.1	2.01		
72 PSI	41.4	2.33	47.2	2.73	52.7	3.10	58.1	3.45	63.3	3.88		
5 BAR	156.1	2.33	178.2	2.73	198.9	3.10	219.4	3.45	239.0	3.88		
145 PSI	40.1	4.09	45.9	4.73	52.1	5.27	56.6	6.02	61.3	6.45		
10 BAR	151.4	4.09	173.1	4.73	196.4	5.27	213.8	6.02	231.2	6.45		
217 PSI	39.3	5.70	45.1	6.58	50.7	7.45	55.5	8.32	60.2	9.22		
15 BAR	148.5	5.70	170.0	6.58	191.5	7.45	209.5	8.32	227.1	9.22		
290 PSI	38.8	7.52	44.5	8.45	50.1	9.66	54.8	10.89	59.2	11.54		
20 BAR	146.4	7.52	167.9	8.45	189.0	9.66	206.9	10.89	223.4	11.54		

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Shaft Output
9910-D250	65.7	248.7	290	20	550	1-3/8" - 6 splined male shaft

Medium Pressure, 2 Diaphragm

Model 9910-D252, D252GRGI, D252GRGI58 and D252GRGIAP



- Max. fluid temperature: 140°F/60°C
- Diaphragms: 2, semi-hydraulic, Desmopan® standard, Buna available
- Housing: anodized aluminum
- Mounting base: included
- Recommended control unit: 9910-KIT1990, see page 83.
- Weight: 14 lbs./6.4 kg (GRGI models); 12 lbs./5.4 kg (D252)

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@450 RPM		@500 RPM		@550 RPM		@600 RPM		@650 RPM			
0 PSI	4.8	0.15	5.4	0.19	5.9	0.23	6.1	0.25	6.5	0.27		
0 BAR	18.0	0.15	20.5	0.19	22.4	0.23	23.1	0.25	24.6	0.27		
72 PSI	4.1	0.33	4.6	0.37	5.0	0.42	5.5	0.45	5.9	0.46		
5 BAR	15.3	0.33	17.3	0.37	18.7	0.42	20.8	0.45	22.2	0.46		
145 PSI	4.0	0.49	4.4	0.57	4.8	0.64	5.3	0.65	5.6	0.72		
10 BAR	14.9	0.49	16.6	0.57	18.1	0.64	19.8	0.65	21.3	0.72		
217 PSI	3.9	0.66	4.3	0.76	4.7	0.82	5.2	0.89	5.5	0.97		
15 BAR	14.7	0.66	16.4	0.76	17.9	0.82	19.6	0.89	20.9	0.97		
290 PSI	3.8	0.84	4.2	0.94	4.6	1.02	5.1	1.12	5.4	1.21		
20 BAR	14.5	0.84	16.0	0.94	17.4	1.02	19.4	1.12	20.5	1.21		

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.
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Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Port Size	Shaft Output
9910-D252	6.5	24.6	290	20	650	3/4" HB inlet, 1/2" HB outlet	3/4" solid keyed shaft
9910-D252GRGI	6.5	24.6	290	20	3600	3/4" HB inlet, 3/8" HB outlet	3/4" hollow shaft
9910-D252GRGI58	5.5	20.8	290	20	3600	3/4" HB inlet, 3/8" HB outlet	5/8" hollow shaft
9910-D252GRGIAP	6.5	24.6	290	20	3600	3/4" HB inlet, 3/8" HB outlet	3/4" hollow input shaft with 5/8" output solid shaft

Medium Pressure, 2 Diaphragm

Model 9910-D30, D30AP-A, D30GRGI and D30-B-GRGI



- Max. fluid temperature: 140°F/60°C
- Shaft: flanged for shaft kit (D30); flanged w/ 3/4" shaft ext. (D30AP-A); 3/4" hollow shaft for gas engine mount (D30GRGI)
- Diaphragms: 2, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling: epoxy-coated
- Pump shaft rotation: CW and CCW
- For shaft kits and other drive options, see pages 81-82.
- Recommended control unit: 9910-GS40GI, see page 83.
- Weight: 23 lbs./10.4 kg (D30); 33 lbs./15.0 kg (D30GRGI and D30-B-GRGI); 24 lbs./10.9 kg (D30AP-A)

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	Ø350 RPM	Ø400 RPM	Ø450 RPM	Ø500 RPM	Ø550 RPM	Ø350 RPM	Ø400 RPM	Ø450 RPM	Ø500 RPM	Ø550 RPM	Ø350 RPM	Ø400 RPM
0 PSI	6.1	0.13	6.9	0.16	7.8	0.19	8.7	0.24	9.6	0.28		
0 BAR	23.0	0.13	26.1	0.16	29.5	0.19	32.8	0.24	36.2	0.28		
145 PSI	5.7	0.55	6.6	0.66	7.2	0.76	8.1	0.85	9.3	0.90		
10 BAR	21.4	0.55	24.9	0.66	27.3	0.76	30.6	0.85	34.9	0.90		
290 PSI	5.6	1.00	6.3	1.14	7.1	1.29	7.8	1.47	8.8	1.64		
20 BAR	21.0	1.00	23.7	1.14	26.7	1.29	29.5	1.47	33.4	1.64		
465 PSI	5.5	1.46	5.9	1.67	6.9	1.89	7.7	2.06	8.6	2.27		
30 BAR	20.6	1.46	22.4	1.67	26.0	1.89	29.0	2.06	32.5	2.27		
580 PSI	5.2	1.90	5.8	2.11	6.8	2.41	7.5	2.71	8.3	2.94		
40 BAR	19.5	1.90	22.1	2.11	25.8	2.41	28.2	2.71	31.4	2.94		

All HP requirements listed in the table are electrical.
For approximate gasoline equivalent, multiply by 1.3.

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Port Size
9910-D30	9.6	36.3	580	40	550	1" HB inlet, 1/2" HB outlet
9910-D30AP-A	Same pump as 9910-D30 with 3/4" solid thru shaft					
9910-D30GRGI	9.6	36.3	580	40	3600	Assembled with gearbox 9910-KIT1640 and control 9910-GS40GI for mounting on 5 hp gas engine
9910-D30-B-GRGI	Same pump as 9910-D30GRGI with Buna-N diaphragms					

Medium Pressure, 3 Diaphragm

Model 9910-D403, and D403GRGI



- Max. fluid temperature: 140°F/60°C
- Shaft: flanged for kit attachment (D403); 3/4" hollow shaft for gas engine mount (D403GRGI)
- Diaphragms: 3, semi-hydraulic, Desmopan® standard, Buna available
- Housing: anodized aluminum
- Mounting base: included
- For shaft kits and other drive options, see pages 81-82.
- Recommended control unit: 9910-GR40, see page 83.
- Weight: 23 lbs./10.4 kg (D403); 32 lbs./14.5 kg (D403GRGI)

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	Ø350 RPM	Ø400 RPM	Ø450 RPM	Ø500 RPM	Ø550 RPM	Ø350 RPM	Ø400 RPM	Ø450 RPM	Ø500 RPM	Ø550 RPM	Ø350 RPM	Ø400 RPM
0 PSI	6.3	0.22	7.3	0.33	8.0	0.41	8.9	0.54	9.9	0.61		
0 BAR	23.9	0.22	27.6	0.33	30.3	0.41	33.6	0.54	37.5	0.61		
145 PSI	6.2	0.73	7.1	0.91	7.9	1.07	8.8	1.12	9.8	1.21		
10 BAR	23.2	0.73	26.7	0.91	29.9	1.07	33.4	1.12	37.1	1.21		
290 PSI	6.1	1.21	7.0	1.41	7.8	1.63	8.7	1.82	9.7	2.03		
20 BAR	23.0	1.21	26.4	1.41	29.5	1.63	32.8	1.82	36.7	2.03		
465 PSI	6.0	1.80	6.8	2.02	7.7	2.34	8.6	2.61	9.6	2.84		
30 BAR	22.7	1.80	25.8	2.02	29.2	2.34	32.3	2.61	36.4	2.84		
580 PSI	5.9	2.36	6.7	2.65	7.6	2.91	8.4	3.30	9.5	3.62		
40 BAR	22.3	2.36	25.5	2.65	28.9	2.91	31.7	3.30	35.9	3.62		

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.
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Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Drive and Control Unit
9910-D403	9.9	37.5	580	40	550	1" HB inlet, 1/2" HB outlet
9910-D403GRGI	9.9	37.5	580	40	3600	Assembled with gearbox 9910-KIT1640 and control 9910-GR40 for mounting on 5-6 hp gas engines

Medium Pressure, 3 Diaphragm

Model 9910-D50, D50AP-A and D50-B



- Max. fluid temperature: 140°F/60°C
- Shaft: flanged for shaft kit (D50); flange w/1" shaft ext. (D50AP-A)
- Diaphragms: 2, full-hydraulic, Desmopan® standard, Buna available (D50-B has Buna diaphragms)
- Housing components for liquid handling: epoxy coated
- Pump shaft rotation: CW and CCW
- For shaft kits and other drive options, see pages 81-82.
- Recommended control unit: 9910-GS40GI, see page 83.
- Weight: 35 lbs./15.9 kg

Pressure in PSI and BAR	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	Ø350 RPM	Ø400 RPM	Ø450 RPM	Ø500 RPM	Ø550 RPM					
0 PSI	9.7	0.36	11.9	0.49	12.3	0.64	13.2	0.77	14.8	0.94
0 BAR	36.8	0.36	45.0	0.49	46.6	0.64	49.9	0.77	55.8	0.94
145 PSI	9.3	1.08	11.5	1.25	11.9	1.49	12.9	1.59	14.6	1.76
10 BAR	35.1	1.08	43.3	1.25	44.9	1.49	48.6	1.59	55.1	1.76
290 PSI	9.1	1.85	11.0	2.09	11.7	2.40	12.6	2.72	14.5	2.97
20 BAR	34.4	1.85	41.5	2.09	44.1	2.40	47.4	2.72	54.9	2.97
465 PSI	8.8	2.61	10.8	3.00	11.6	3.41	12.0	3.80	14.4	4.03
30 BAR	33.2	2.61	40.6	3.00	43.6	3.41	45.3	3.80	54.4	4.03
580 PSI	8.6	3.44	10.3	3.77	11.4	4.38	11.9	4.92	14.1	5.17
40 BAR	32.5	3.44	38.9	3.77	42.9	4.38	44.7	4.92	53.3	5.17

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Port Size
9910-D50	14.8	56.0	580	40	550	1-1/4" HB inlet, 1/2" HB outlet
9910-D50-B	Same pump as 9910-D50 w/Buna-N diaphragms					
9910-D50AP-A	Same pump as 9910-D50 w/solid 1" thru shaft					

Medium Pressure, 3 Diaphragm

Model 9910-D503, D503GRGI and D503GRGI34



- Max. fluid temperature: 140°F/60°C
- Shaft: flanged adapter (D503); 1" hollow shaft for gas engine mount (D503GRGI)
- Diaphragms: 2, semi-hydraulic, Desmopan® standard, Buna available
- Housing: anodized aluminum
- Mounting base: included
- Pump shaft rotation: CW and CCW
- For shaft kits and other drive options, see pages 81-82.
- Recommended control unit: 9910-RM40, see page 83.
- Weight: 28 lbs./12.7 kg

Pressure in PSI and BAR	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	Ø350 RPM	Ø400 RPM	Ø450 RPM	Ø500 RPM	Ø550 RPM					
0 PSI	9.4	0.52	12.1	0.86	12.6	0.91	13.4	1.09	14.3	1.32
0 BAR	35.4	0.52	45.5	0.86	47.6	0.91	50.5	1.09	54.1	1.32
145 PSI	9.0	1.24	11.6	1.68	11.9	1.72	13.2	1.85	14.1	2.09
10 BAR	34.1	1.24	44.0	1.68	44.9	1.72	49.7	1.85	53.3	2.09
290 PSI	8.9	2.05	11.4	2.67	11.7	2.74	12.8	3.01	13.8	3.30
20 BAR	33.6	2.05	43.2	2.67	44.1	2.74	48.4	3.01	51.9	3.30
465 PSI	8.7	2.78	11.3	3.72	11.6	3.90	12.6	4.14	13.6	4.41
30 BAR	33.0	2.78	42.5	3.72	43.6	3.90	47.4	4.14	51.4	4.41
580 PSI	8.5	3.56	11.0	4.67	11.4	4.83	12.2	5.37	13.4	5.49
40 BAR	32.2	3.56	41.7	4.67	42.9	4.83	46.0	5.37	50.5	5.49

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

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Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Drive and Control Unit
9910-D503	14.3	54.1	580	40	550	-
9910-D503GRGI	14.3	54.1	580	40	3600	Assembled with gearbox 9910-KIT1642 and control 9910-RM40 for mounting on 8 hp gas engine
9910-D503GRGI34	14.3	54.1	290	20	3600	Assembled with gearbox 9910-KIT1640 and control 9910-RM40 for mounting on 5-6.5 hp gas engines

High Pressure, 3 Diaphragm

Model 9910-D813 and D813GRGI



- Max. fluid temperature: 140°F/60°C
- Shaft: Flanged adapter and 1-3/8" - 6 splined male shaft ext. (D813); 1" hollow shaft for gas engine mount (D813GRGI)
- Diaphragms: 3, semi-hydraulic, Desmopan® standard Buna available
- Housing: anodized aluminum
- Mounting base: included
- Pump shaft rotation: CW and CCW
- For shaft kits and other drive options, see pages 81-82.
- Recommended control unit: 9910-VDR50 or 9910-GS50GI, see page 84.
- Weight: 50 lbs./22.7 kg (D813); 66 lbs./30 kg (D813GRGI)

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM			
0 PSI	14.7	0.41	17.0	0.64	18.2	0.74	19.8	0.93	20.8	1.12		
0 BAR	55.6	0.41	64.3	0.64	68.7	0.74	74.7	0.93	78.6	1.12		
217 PSI	13.9	2.23	16.1	2.51	17.8	2.93	19.5	3.40	19.9	3.61		
15 BAR	52.3	2.23	60.8	2.51	67.1	2.93	73.7	3.40	75.0	3.61		
435 PSI	13.6	4.06	15.6	4.65	17.4	5.26	19.1	5.80	19.7	6.23		
30 BAR	51.2	4.06	58.7	4.65	65.5	5.26	71.9	5.80	74.3	6.23		
580 PSI	13.5	5.22	15.3	6.03	17.2	6.81	18.4	7.51	19.2	8.01		
40 BAR	50.8	5.22	57.7	6.03	64.8	6.81	69.4	7.51	72.6	8.01		
725 PSI	13.4	6.30	15.0	7.31	16.9	8.33	17.9	9.23	19.0	9.82		
50 BAR	50.4	6.30	56.5	7.31	63.9	8.33	67.5	9.23	71.8	9.82		

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Port Size	Shaft Output
9910-D813	20.8	78.7	725	50	550	1-1/4" HB inlet, 3/4" NPT outlet	1-3/8" - 6 splined male shaft extension
9910-D813GRGI	20.8	78.7	725	50	3600	Assembled with gearbox 9910-KIT1642 and control 9910-VDR50 for mounting on 13 hp gas engine	

High Pressure, 4 Diaphragm

Model 9910-D1064 and D1064GRGI



- Max. fluid temperature: 140°F/60°C
- Shaft: Flanged adapter and 1-3/8" - 6 splined male shaft ext. (D1064); 1" hollow shaft for gas engine mount (D1064GRGI)
- Diaphragms: 4, semi-hydraulic, Desmopan® standard, Buna available
- Housing: anodized aluminum
- Mounting base: included
- Pump shaft rotation: CW and CCW
- For shaft kits and other drive options, see pages 81-82.
- Recommended control unit: 9910-VDR50 or 9910-GS50GI, see page 84.
- Weight: 54 lbs./24.5 kg (D1064); 76 lbs./34.5 kg (D1064GRGI)

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM			
0 PSI	19.6	0.75	22.4	1.04	25.2	1.33	27.1	1.59	28.7	1.90		
0 BAR	74.0	0.75	84.6	1.04	95.1	1.33	102.4	1.59	108.5	1.90		
217 PSI	18.8	2.95	21.6	3.41	24.5	3.92	26.8	4.33	28.5	4.71		
15 BAR	70.8	2.95	81.6	3.41	92.3	3.92	101.1	4.33	107.6	4.71		
435 PSI	18.4	5.40	21.1	6.20	23.9	7.01	26.2	7.77	28.3	8.28		
30 BAR	69.4	5.40	79.5	6.20	90.3	7.01	98.8	7.77	106.7	8.28		
580 PSI	18.2	7.01	21.0	8.05	23.7	9.12	26.0	10.06	28.0	10.79		
40 BAR	68.8	7.01	79.2	8.05	89.3	9.12	98.1	10.06	105.8	10.79		
725 PSI	18.0	8.65	20.8	9.88	23.3	11.18	25.9	12.38	27.8	13.13		
50 BAR	67.9	8.65	78.4	9.88	87.9	11.18	97.6	12.38	104.7	13.13		

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

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Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Port Size	Shaft Output
9910-D1064	28.7	108.6	725	50	550	1-1/4" HB inlet, 3/4" NPT outlet	1-3/8" - 6 splined male shaft extension
9910-D1064GRGI	28.7	108.6	725	50	3600	Assembled with gearbox 9910-KIT1642 and control 9910-VDR50 for mounting on 18 hp gas engine	

High Pressure, 5 Diaphragm

Model 9910-D1265



- Max. fluid temperature: 140°F/60°C
- Shaft: flanged adapter and 1-3/8" - 6 splined male shaft ext.
- Diaphragms: 5, semi-hydraulic, Desmopan® standard, Buna available
- Housing: anodized aluminum
- Mounting base: included
- Pump shaft rotation: CW and CCW
- For shaft kits and other drive options, see pages 81-82.
- Recommended control unit: 9910-VDR50 or 9910-GS50GI, see page 84.
- Weight: 67 lbs./30.4 kg

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Port Size	Shaft Output
9910-D1265	33.4	126.4	725	50	550	1-1/2" HB inlet, 3/4" NPT outlet	1-3/8" - 6 splined male shaft extension

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM			
0 PSI	23.9	1.23	26.9	1.62	29.8	2.10	32.0	2.62	33.4	2.95		
0 BAR	90.0	1.23	101.6	1.62	112.6	2.10	120.8	2.62	126.1	2.95		
217 PSI	22.8	3.80	26.1	4.44	29.2	5.14	31.7	5.50	33.1	5.81		
15 BAR	86.0	3.80	98.3	4.44	110.3	5.14	119.6	5.50	124.9	5.81		
435 PSI	22.5	6.91	25.6	7.93	28.8	9.06	31.5	9.64	32.8	10.03		
30 BAR	84.8	6.91	96.7	7.93	108.5	9.06	118.9	9.64	123.9	10.03		
580 PSI	22.3	9.03	25.4	10.30	28.5	11.61	31.2	12.33	32.7	12.60		
40 BAR	84.3	9.03	95.7	10.30	107.5	11.61	117.7	12.33	123.4	12.60		
725 PSI	22.2	11.12	25.1	12.61	28.3	14.44	30.9	15.31	31.5	15.41		
50 BAR	83.7	11.12	94.8	12.61	106.8	14.44	116.4	15.31	118.7	15.41		

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

High Pressure, 3 Diaphragm

Model 9910-DBS110 and DBA110



- Max fluid temp: 140°F/60°C
- Diaphragms: 3, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling:
 - DBS - external bronze manifolds and brass heads
 - DBA - external manifolds and heads in anodized aluminum
- Pump shaft rotation: CW and CCW
- Recommended control unit: 9910-BMH50 or 9910-GH50, see page 84.
- Weight: 114 lbs./51.7 kg (DBS110); 88 lbs./40 kg (DBA110)

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Port Size	Shaft Output
9910-DBS110	30.0	113.6	725	50	550	1-1/2" HB inlet, 3/4" NPT outlet	1-3/8" - 6 splined male double-ended shaft
9910-DBA110	30.0	113.6	725	50	550	1-1/2" HB inlet, 3/4" NPT outlet	1-3/8" - 6 splined male double-ended shaft

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM			
0 PSI	19.2	0.53	21.9	0.60	24.6	0.78	27.3	0.89	30.0	1.12		
0 BAR	72.6	0.53	82.8	0.60	93.0	0.78	103.2	0.89	113.1	1.12		
217 PSI	18.7	2.91	21.5	3.18	24.2	3.74	27.1	4.02	29.3	4.50		
15 BAR	70.7	2.91	81.2	3.18	91.4	3.74	102.1	4.02	110.6	4.50		
435 PSI	18.5	5.19	21.2	5.91	24.0	6.51	26.9	7.51	29.0	8.29		
30 BAR	69.9	5.19	79.9	5.91	90.7	6.51	101.4	7.51	109.4	8.29		
580 PSI	18.4	6.87	20.9	7.66	23.7	8.69	26.4	9.67	28.7	10.71		
40 BAR	69.5	6.87	78.9	7.66	89.3	8.69	99.8	9.67	108.2	10.71		
725 PSI	18.2	8.43	20.8	9.60	23.5	10.73	25.9	11.90	28.6	13.11		
50 BAR	68.7	8.43	78.5	9.60	88.5	10.73	97.7	11.90	108.0	13.11		

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

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High Pressure, 3 Diaphragm

Model 9910-DBS140 and DBA140



- Max fluid temp: 140°F/60°C
- Diaphragms: 3, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling:
 - DBS – external bronze manifolds and brass heads
 - DBA – external manifolds and heads in anodized aluminum
- Weight: 114 lbs./51.7 kg (DBS140); 88 lbs./40 kg (DBA140)
- Pump shaft rotation: CW and CCW
- Recommended control unit: 9910-BMH50 or 9910-GH50, see page 84.
- Weight: 114 lbs./51.7 kg (DBS140); 88 lbs./40 kg (DBA140)

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	Ø350 RPM	Ø400 RPM	Ø450 RPM	Ø500 RPM	Ø550 RPM							
0 PSI	25.1	0.82	28.5	1.11	31.5	1.50	34.8	2.02	37.8	2.58		
0 BAR	94.6	0.82	107.5	1.11	119.0	1.50	131.5	2.02	142.6	2.58		
217 PSI	24.1	3.47	27.5	4.01	30.7	4.51	33.2	5.01	37.3	5.61		
15 BAR	91.1	3.47	103.8	4.01	115.9	4.51	125.3	5.01	140.9	5.61		
435 PSI	23.8	6.53	27.2	7.69	30.2	8.39	32.6	9.28	36.7	10.34		
30 BAR	89.9	6.53	102.8	7.69	114.1	8.39	123.1	9.28	138.7	10.34		
580 PSI	23.6	8.53	26.8	9.73	29.8	10.82	32.2	12.02	36.5	13.33		
40 BAR	89.1	8.53	101.0	9.73	112.6	10.82	121.5	12.02	137.6	13.33		
725 PSI	23.3	10.47	26.5	11.88	29.7	13.28	31.9	14.67	36.3	16.28		
50 BAR	88.1	10.47	100.0	11.88	112.2	13.28	120.4	14.67	137.0	16.28		

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Port Size	Shaft Output
9910-DBS140	37.8	143.1	725	50	550	1-1/2" HB inlet, 3/4" NPT outlet	1-3/8" - 6 splined male double-ended shaft
9910-DBA140	37.8	143.1	725	50	550	1-1/2" HB inlet, 3/4" NPT outlet	1-3/8" - 6 splined male double-ended shaft

High Pressure, 4 Diaphragm

Model 9910-DBS160 and DBA160



- Max fluid temp: 140°F/60°C
- Diaphragms: 4, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling:
 - DBS – external bronze manifolds and brass heads
 - DBA – external manifolds and heads in anodized aluminum
- Pump shaft rotation: CW and CCW
- Recommended control unit: 9910-BMH50 or 9910-GH50, see page 84.
- Weight: 143 lbs./64.9 kg (DBS160); 112 lbs./50.9 kg (DBA160)

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	Ø350 RPM	Ø400 RPM	Ø450 RPM	Ø500 RPM	Ø550 RPM							
0 PSI	25.5	1.12	29.3	1.52	32.6	1.83	36.1	2.23	39.6	2.62		
0 BAR	96.3	1.12	110.4	1.52	122.9	1.83	136.3	2.23	149.4	2.62		
217 PSI	24.9	3.72	28.7	4.39	32.1	4.83	35.7	5.27	39.1	5.91		
15 BAR	94.1	3.72	108.4	4.39	121.3	4.83	134.8	5.27	147.5	5.91		
435 PSI	24.6	6.90	28.3	8.01	31.9	8.89	35.3	9.80	38.5	10.75		
30 BAR	93.0	6.90	106.6	8.01	120.5	8.89	133.4	9.80	145.3	10.75		
580 PSI	24.5	8.88	28.1	10.22	31.5	11.49	35.0	12.77	38.4	14.12		
40 BAR	92.4	8.88	106.1	10.22	118.9	11.49	132.2	12.77	144.9	14.12		
725 PSI	24.2	10.91	27.9	12.46	31.3	14.01	34.8	15.64	38.2	17.28		
50 BAR	91.4	10.91	105.3	12.46	118.2	14.01	131.5	15.64	144.2	17.28		

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

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Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Port Size	Shaft Output
9910-DBS160	39.6	149.9	725	50	550	1-1/2" HB inlet, 3/4" NPT outlet	1-3/8" - 6 splined male double-ended shaft
9910-DBA160	39.6	149.9	725	50	550	1-1/2" HB inlet, 3/4" NPT outlet	1-3/8" - 6 splined male double-ended shaft

High Pressure, 4 Diaphragm

Model 9910-DBS200 and DBA200



- Max fluid temp: 140°F/60°C
- Diaphragms: 4, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling:
 - DBS – external bronze manifolds and brass heads
 - DBA – external manifolds and heads in anodized aluminum
- Pump shaft rotation: CW and CCW
- Recommended control unit: 9910-GH50, see page 84.
- Weight: 143 lbs./64.9 kg (DBS200); 112 lbs./50.9 kg (DBA200)

Pressure in PSI and BAR	GPM		HP		GPM		HP		GPM		HP	
	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP	LPM	HP
	@350 RPM		@400 RPM		@450 RPM		@500 RPM		@550 RPM			
0 PSI	33.0	1.44	37.3	1.92	41.6	2.74	45.9	3.03	49.7	3.67		
0 BAR	124.5	1.44	140.7	1.92	156.9	2.74	173.1	3.03	187.6	3.67		
217 PSI	32.0	4.68	36.7	5.38	41.0	6.13	45.3	6.91	49.1	7.64		
15 BAR	120.8	4.68	138.5	5.38	154.8	6.13	170.8	6.91	185.4	7.64		
435 PSI	31.4	8.79	36.1	10.24	40.4	11.44	44.8	12.71	48.7	13.92		
30 BAR	118.4	8.79	136.2	10.24	152.6	11.44	169.0	12.71	183.9	13.92		
580 PSI	31.3	11.35	35.8	13.01	40.0	14.69	44.6	16.45	48.3	17.98		
40 BAR	118.2	11.35	135.0	13.01	151.1	14.69	168.3	16.45	182.5	17.98		
725 PSI	31.1	14.01	35.3	15.96	39.9	18.12	44.4	20.21	48.2	22.21		
50 BAR	117.2	14.01	133.1	15.96	150.5	18.12	167.5	20.21	182.1	22.21		

All HP requirements listed in the table are electrical.
For approximate gasoline equivalent, multiply by 1.3.

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Port Size	Shaft Output
9910-DBS200	49.7	188.1	725	50	550	1-1/2" HB inlet, 3/4" NPT outlet	1-3/8" - 6 splined male double-ended shaft
9910-DBA200	49.7	188.1	725	50	550	1-1/2" HB inlet, 3/4" NPT outlet	1-3/8" - 6 splined male double-ended shaft

Gas Engine-Driven, Medium Pressure, 2 Diaphragm

Models: D252GRGI-25, D252GRGI-55, 1534



- Closed-coupled, gas engine driven (EPA & CARB certified)
- Max. fluid temperature: 140°F/60°C
- Diaphragms: 2, semi-hydraulic, Desmopan® standard, Buna available
- Housing: anodized aluminum
- Mounting base: included

Order Information

Pressure in PSI and BAR	GPM	
	LPM	HP
0 PSI	5.9	
0 BAR	22.3	
50 PSI	5.3	
3.4 BAR	20.0	
100 PSI	5.2	
6.9 BAR	19.5	
150 PSI	5.1	
10.3 BAR	19.3	
200 PSI	5.0	
13.6 BAR	18.9	
250 PSI	4.9	
17.0 BAR	18.5	
290 PSI	4.9	
20 BAR	18.5	

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Control Unit and Gearbox	Engine Mfg. and hp
D252GRGI-25	5.9	22.3	290	20	3600	9910-KIT1990	PowerPro 2.5 hp
D252GRGI-55	5.9	22.3	290	20	2800	9910-KIT1990	PowerPro 6.5 hp
1534	5.9	22.3	290	20	2800	9910-KIT1990	Briggs and Stratton® 3.5 hp

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Gas Engine-Driven, Medium Pressure, 2 Diaphragm

Model: D30HRGI-65, D30HRGI-65E, D30GRGI-65, 1535, D30HRGI



- Closed-coupled, gas engine driven (EPA & CARB certified)
- Max. fluid temperature: 140°F/60°C
- Diaphragms: 2, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling: epoxy-coated

Order Information

Pressure in PSI and BAR	D30HRGI-65,65E	D30GRGI-65,1535
	GPM	GPM
	LPM	LPM
	@550 RPM	@550 RPM
0 PSI	9.6	9.3
0 BAR	36	35
290 PSI	8.8	9.3
20 BAR	33	34
435 PSI	8.6	8.7
30 BAR	33	33
580 PSI	8.3	8.2
40 BAR	31	31

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Control Unit and Gearbox	Engine Mfgr. and hp
D30HRGI-65	9.6	36.3	580	40	3600	GS40GI and 8000-0056	PowerPro 6.5 HP
D30HRGI-65E	9.6	36.3	580	40	3600	GS40GI and 8000-0056	PowerPro 6.5 HP w/ electric start
D30GRGI-65	9.6	36.3	580	40	3600	GS40GI and KIT1640 (gearbox)	PowerPro 6.5 hp
1535	9.3	35.2	580	40	3600	GS40GI and KIT1640 (gearbox)	Industrial Plus Briggs & Stratton® 6.5 hp
D30HRGI	9.3	35.2	580	40	3600	GS40GI and KIT1640 (gearbox)	Less engine

Gas Engine-Driven, Medium Pressure, 3 Diaphragm

Model: D403HRGI-65, D403HRGI-65E, D403GRGI-65, D403HRGI



- Closed-coupled, gas engine driven (EPA & CARB certified)
- Max. fluid temperature: 140°F/60°C
- Diaphragms: 3, semi-hydraulic, Desmopan® standard, Buna available
- Housing: anodized aluminum
- Mounting base: included

Order Information

Pressure in PSI and BAR	D403HRGI-65,65E	D403GRGI-65
	GPM	GPM
	LPM	LPM
	@550 RPM	@550 RPM
0 PSI	9.9	10.6
0 BAR	38	40
290 PSI	9.7	9.8
20 BAR	37	37
435 PSI	9.6	9.7
30 BAR	36	37
580 PSI	9.5	9.5
40 BAR	36	36

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	Control Unit and Gearbox	Engine Mfgr. and hp
D403HRGI-65	9.9	37.5	580	40	3600	GR40 and 8000-0056	PowerPro 6.5 HP
D403HRGI-65E	9.9	37.5	580	40	3600	GR40 and 8000-0056	PowerPro 6.5 HP w/ electric start
D403HRGI	9.9	37.5	580	40	3600	GR40 and 8000-0056	Less engine
D403GRGI-65	10.6	40.1	580	40	3600	GR40 and KIT1640 (gearbox)	PowerPro 6.5 hp

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Gas Engine-Driven, Heavy-Duty Medium Pressure, 3 Diaphragm

Model: D503HRGI-65, D503HRGI



- Hypro quality diaphragm pumps powered by field-proven PowerPro certified engines (EPA & CARB certified)
- Oil-bath design and premium quality synthetic diaphragms provides longer life and greater reliability
- Oil-bath design also allows pump to be run dry
- Self-priming operation
- Corrosive, abrasive and general use chemical compatibility
- Visual oil-level sight glass
- Supported with a one-year Hypro warranty on both pump and PowerPro engine
- Diaphragms: 3, semi-hydraulic, Desmopan® standard, Buna available

Pressure in PSI and BAR	D503HRGI-65,65E	
	GPM	
	LPM	
	@550 RPM	
0 PSI	14.3	
0 BAR	54	
145 PSI	14.1	
10 BAR	53	
290 PSI	13.8	
20 BAR	52	

Order Information

Model Number	Max GPM	Max GPM	Max PSI	Max BAR	Max RPM	Control Unit & Gearbox	Engine Mfgr. & HP
D503HRGI-65	14.3	54.1	290	20	3600	RM40 and 8000-0056	PowerPro 6.5 HP
D503HRGI-65E	14.3	54.1	290	20	3600	RM40 and 8000-0056	PowerPro 6.5 HP w/ electric start
D503HRGI	14.3	54.1	290	20	3600	RM40 and 8000-0056	Less engine

Diaphragm Kits and Applications



Hypro Pump Oil

Part Number	Description	Weight	
		US Units	Metric
2160-0038	1 quart of specially-formulated pump oil	2 lbs.	907 g
2160-0047	1 gallon of specially-formulated pump oil	9 lbs.	4.1 kg
2160-0048	2 1/2 gallons of specially-formulated pump oil	22 lbs.	9.98 kg

All Hypro Plunger Pumps are shipped with oil. To optimize pump life, Hypro recommends an oil change after 40 hours of break-in operation and every three months or 500 hour intervals thereafter. Use only Hypro oil.



1-3/8"-6 Spline Female PTO Shaft Kits

Kit Number	Description	Weight	
		US Units	Metric
9910-KIT1704	For Model 9910-D50, D30, D303 and D403 pumps	7 lbs.	3.2 kg
9910-KIT1708	For Model 9910-D70 and D115 pumps	5.25 lbs.	2.4 kg
9910-KIT2204	For Model 9910-D503, D813, D1064 and D1265 pumps	7 lbs.	3.2 kg

Kit includes a female PTO coupler and retaining clamp, torque arm and mounting bracket, chains and necessary hardware.



1-3/8"-6 Spline Male PTO Shaft Kits

Kit Number	Description	Weight	
		US Units	Metric
9910-KIT1702	For Model 9910-D30 pump	3 lbs.	1.4 kg
9910-KIT1706	For Model 9910-D50 pump	4.25 lbs.	1.9 kg
*9910-KIT1710	For Model 9910-D70 and D115 pumps	5.5 lbs.	2.5 kg
9910-KIT2200	For Model 9910-D503, D303 and D403 pumps	4.25 lbs.	1.9 kg
9910-KIT2201	For Model 9910-D813, D1064 and D1265 pumps	4.25 lbs.	1.9 kg

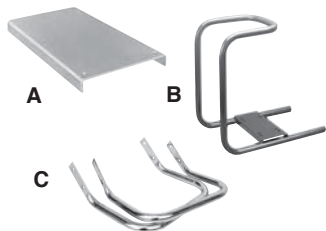
*Kit includes a male PTO shaft adapter, mounting bracket and necessary hardware.



1" Solid Shaft Kits

Kit Number	Description	Weight	
		US Units	Metric
9910-KIT1703	For Model 9910-D30 pump	2.5 lbs.	1.7 kg
9910-KIT1707	For Model 9910-D50 pump	3.75 lbs.	1.7 kg
*9910-KIT1711	For Model 9910-D70 and D115 pumps	5 lbs.	2.3 kg
9910-KIT2202	For Model 9910-D503, D303 and D403 pumps	3.75 lbs.	1.7 kg
9910-KIT2203	For Model 9910-D813, D1064 and D1265 pumps	3.75 lbs.	1.7 kg

*Kit includes a male PTO shaft adapter, mounting bracket and necessary hardware.



Base Plates and Carrying Handles

Part Number	Description	Ref.	Est. Weight Ea.	
			US Units	Metric
1510-0005	8" x 15" with 12 gauge	A	6 lbs.	2.7 kg
1510-0002	9 1/2" x 18" with 10 gauge	A	8 lbs.	3.6 kg
1510-0001	12" x 21" with 7 gauge	A	16 lbs.	7.3 kg
1510-0016	14" x 26" with 7 gauge	A	21 lbs.	9.5 kg
1510-0075	9-1/2" x 4-1/2" with 14 gauge (for 3 and 5 hp Briggs® or Honda® and 56 frame electric)	B	11 lbs.	5 kg
2801-0001	Two handles, mounting bolts and nuts for #1510-0016 base	C	3 lbs. 4 oz.	1.5 kg
2801-0002	Two handles, mounting bolts and nuts for #1510-0001 base	C	3 lbs. 3 oz.	1.4 kg

Diaphragm Pump Repair Kits

For Pump Model	Diaphragm Kit (Desmopan®)	Diaphragm Kit (Buna-N)	Valve Kit	O-ring Kit
9910-D70	9910-KIT1720	-----	9910-KIT2364	9910-KIT2365
9910-D115 and D135	9910-KIT1721	-----	9910-KIT2370	9910-KIT2026
9910-D160	9910-KIT1730	-----	9910-KIT2374	9910-KIT1908
9910-D250	9910-KIT1722	-----	9910-KIT2114	9910-KIT1904
9910-D12GRGI	9910-KIT1882	-----	9910-KIT1992	
9910-D503	9910-KIT1881	-----	9910-KIT1987	9910-KIT1984
9910-D252 (all versions)	9910-KIT1723	-----	9910-KIT2408	9910-KIT2409
9910-D30 (all versions)	9910-KIT1724	9910-KIT2110	9910-KIT1917	9910-KIT1916
9910-D50	9910-KIT1725	9910-KIT2111	9910-KIT1920	9910-KIT1919
9910-DBS110, DBS140, DBA110 and DBA140	-----	9910-KIT2444	9910-KIT2445	9910-KIT2446
9910-DBS160, DBS200, DBA160 and DBA200	-----	9910-KIT2456	9910-KIT2374	9910-KIT2457
9910-D303	9910-KIT2423	-----	9910-KIT2388	9910-KIT2389
9910-D403	9910-KIT2423	-----	9910-KIT2388	9910-KIT2389
9910-D813	9910-KIT2479	-----	9910-KIT1963	9910-KIT2376
9910-D1064	9910-KIT2480	-----	9910-KIT1964	9910-KIT2378
9910-D1265	9910-KIT2100	-----	9910-KIT2024	9910-KIT2347
9910-D1554	9910-KIT1734	-----	9910-KIT1965	9910-KIT1972
9910-D1516	9910-KIT2113	-----	9910-KIT2053	9910-KIT2349



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Pump and Gear Reduction Kits



Model 9910-KIT1640

- For Pump Models 9910-D30, D303 and D403
- 6:1 gear box
- For standard 5.5 hp gas engine with 3/4" shaft
- Can be used with 9910-D50, D503 and D813, providing that pumps are operated at lower pressures that do not exceed 5 hp gas engine compatibility.
- Weight: 6.5 lbs./2.9 kg



Model 9910-KIT1642

- For Pump Models 9910-D50, D503, D813, D1064 and D1265
- 6:1 gear box
- For standard 8-18 hp gas engine with 1" shaft
- Weight: 8.5 lbs./3.9 kg



Model 8000-0056

- For Pump Models 9910-D30, D403, D50, and D503
- New and improved bolt-through pinion gear to help prevent keyway fretting and seizing
- Engine mounting flange designed for ease of assembly with standard tools
- Robust 6:1 gear design for increases longevity
- Increased oil capacity
- Made for use on gas engines with 3/4" shaft
- Available pre-assembled on HRGI models

Hydraulic Flange Kits



Model 9910-HYD5312

- Hydraulic motor mounting flange kit
- Fits Diaphragm Pump Models 9910-D30, D50, D303, D403, D503, D813, D1064 and D1265
- Includes: one flange with SAE "A" 2 bolt, one 1" hollow shaft and two bolts
- Weight: 5.5 lbs./2.5 kg



Model 9910-HYD1570

- Hydraulic motor mounting flange kit
- Fits Diaphragm Pump Models 9910-D160 and D250
- Includes: one flange with SAE "A" 2 bolt, one coupling and hardware for mounting
- Weight: 2.5 lbs./1.1 kg



Model 9910-HYD2495

- Hydraulic motor mounting flange kit
- Fits Diaphragm Pump Models 9910-D70, D115
- Includes: one flange with SAE "A" 2 bolt, one coupling, two pins, spacer and hardware for mounting
- Weight: 5.5 lbs./2.5 kg



Model 9910-GS25

- Control unit for 9910-DP423
- Includes: pressure gauge, adjustable high pressure relief valve, 1/2" HB outlet with ball valve shutoff, bypass lever, 3/4" HB bypass, and 1" HB inlet
- Max. flow: 11 gpm/42 lpm
- Max. pressure: 290 psi/20 Bar
- Weight: 2 lbs./0.9 kg



Model 9910-GS35S

- Control Unit for 9910-DP573 and 9910-DP763
- Includes: Pressure gauge, adjustable high pressure relief valve, two 1/2" HB outlet with ball valve shutoff, bypass lever, 3/4" HB bypass, 1" HB inlet
- Max. flow: 24 gpm/90.8 lpm
- Max. pressure: 290 psi/20.0 bar
- Weight: 3 lbs./1.4 kg



Model 9910-KIT1990

- Control unit for mounting on Pump Model 9910-D252
- Includes: one adjustable relief valve, one pressure/bypass selector
- 5/8" HB bypass port and 3/8" HB outlet
- Max. flow: 6 gpm/22.7 lpm
- Max. pressure: 290 psi/20.0 bar
- Weight: 1 lb./0.5 kg



Model 9910-GS40GI

- Control unit for mounting on Pump Models 9910-D30 and D50
- Includes: pressure gauge, one adjustable high pressure relief valve, one complete bypass lever, two 1/2" HB outlets with individual shut-offs, and 3/4" hose barb bypass
- Max. flow: 21 gpm/79.5 lpm
- Max. pressure: 580 psi/40.0 bar
- Remote mounting kit: 9910-KIT1741
- Remote mounting kit weight: 1 lb./0.5 kg
- Weight: 3.5 lbs./1.6 kg



Model 9910-GR40

- Control unit for Pump Models 9910-D303 and D403
- Includes: pressure gauge, adjustable high pressure relief valve, complete bypass lever, 2-1/2" pressure gauge, two 1/2" hose barb outlets with individual shut-offs, and 5/8" hose barb bypass
- Max. flow: 11 gpm/41.6 lpm
- Max. pressure: 580 psi/40.0 bar
- Remote mounting kit: 9910-KIT1741
- Remote mounting kit weight: 1 lb./0.5 kg
- Weight: 2 lbs./0.9 kg



Model 9910-RM40

- Remote control unit for mounting on Pump Model 9910-D503
- Includes: pressure gauge, one adjustable high pressure relief valve, one complete bypass knob, two 1/2" HB outlets with individual shut-offs, and 1" hose barb bypass
- Max. flow: 24 gpm/90.8 lpm
- Max. pressure: 580 psi/40.0 bar
- Remote mounting kit: 9910-KIT1897 (Includes: mounting bracket, bolts, and hose barb)
- Remote mounting kit weight: 2 lbs./0.9 kg
- Weight: 3.5 lbs./1.6 kg

Diaphragm Control Units



Model 9910-GS50GI

- Remote control unit for Pump Models 9910-D813, D1064, D1265 and D1516
- Includes: pressure gauge, one adjustable high pressure relief valve, one complete bypass lever, three 1/2" HB outlets with individual shut-offs, and 1" hose barb bypass
- Max. flow: 48 gpm/181.7 lpm
- Max. pressure: 725 psi/50.0 bar
- Remote mounting kit: 9910-KIT1742 (Includes: mounting bracket, bolts, and hose barb)
- Remote mounting kit weight: 1 lb./0.5 kg
- Weight: 8.5 lbs./3.6 kg



Model 9910-VDR50

- Control unit for mounting on Pump Models 9910-D813, D1064 and D1265
- Includes: pressure gauge, one adjustable high pressure relief valve, one complete bypass lever, two 1/2" HB outlets with individual shut-offs, and 1" hose barb bypass
- Max. flow: 35 gpm/132.5 lpm
- Max. pressure: 725 psi/50.0 bar
- For additional ball valve, order Part Number 9910-130491
- Weight: 3.5 lbs./1.6 kg



Model 3300-0087, 0088

- Remote control unit for Pump Models 9910-D70, D115, D135 and D160
- Includes: one built-in relief valve, one 1" HB inlet, three 3/4", 1/2" and 3/8" HB outlets with individual shut-offs
- Model-0088 includes a main bypass lever
- Max. flow: 42.5 gpm/160.9 lpm
- Max. pressure: 290 psi/20.0 bar
- Weight: 7 lbs./3.2 kg (Model 3300-0087); 7.75 lbs./3.5 kg (Model 3300-0088)



Model 3300-0082

- Remote control unit for Pump Model 9910-D250
- Includes: pressure gauge, one built-in adjustable relief valve, one main shut-off and complete bypass lever, four 3/4" HB outlets with individual shut-offs, and 1-1/2" hose barb bypass
- Max. flow: 66 gpm/249.8 lpm
- Max. pressure: 290 psi/20.0 bar
- Weight: 18 lbs./8.2 kg



Model 9910-BMH50

- Control unit for Pump Models 9910-DBS110, 9910-DBA110, DBS140, DBA140, DBS160, DBA160, DBS200 and DBA200
- Includes: directional control unit with working pressure regulating valve, single lever for partial or total closure and discharge and glycerine-bath pressure gauge with colored dial
- Max flow: 41 gpm/155.2 lpm
- Max. pressure: 725 psi/50.0 bar
- Weight: 6.6 lbs./3.0 kg



Model 9910-GH50

- Control unit for Pump Models 9910-DBS110, 9910-DBA110, DBS140, DBA140, DBS160, DBA160, DBS200 and DBA200
- Includes: working pressure regulating valve, bypass control lever and glycerine-bath pressure gauge with colored dial
- Max. flow: 52.8 gpm/200 lpm
- Max. pressure: 725 psi/50.0 bar
- Weight: 8.25 lbs./3.7 kg