

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
	⌀350 RPM	⌀400 RPM	⌀450 RPM	⌀500 RPM	⌀550 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
	⌀350 RPM	⌀400 RPM	⌀450 RPM	⌀500 RPM	⌀550 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