

# 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

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.

### 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

# 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)

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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### 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