

# 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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