

# HYPRO® POLY DIAPHRAGM PUMP SERIES

Smooth-Operating, Three-Cylinder Design

## Features & Benefits

- Glass-filled polypropylene construction of head, manifold and control components for the maximum in chemical resistance
- Flow rate up to 11.5, 15.6 and 20.2 gpm and pressure up to 290 psi
- 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
- Unique piston design for longer diaphragm life due to improved hydraulic support behind diaphragms
- Optimized GS25 control unit specially designed for better control of DP423 outputs and pressures
- Optimized GS35S control unit specially designed for better control of DP573 and DP763 outputs and pressures
- Lightweight gear reducer with multiple fins cast into casing for added strength and excellent heat dissipation
- Strong gear reducer rated up to 6.5 hp (gas engine) with ball and needle bearing supported 3/4" shaft for gas engine
- Oil sight glass for visual oil inspection minimizes problems with crankcase
- The external inlet and outlet manifold design vs. an internal manifold design allows for easy valve replacement and lower cost repairs
- Hydraulic motor mounting flange available for driving with SAE 2 bolt A motors



DP423



DP573



DP763



The polypropylene diaphragm pump series is built with polypropylene heads and manifolds for corrosion resistance.



The engineered plastic control unit is easily accessible and actuates smoothly between spray and bypass.



The oil sight glass is positioned at the top of the pump body, reducing the chance for breakage.

# HYPRO® POLY DIAPHRAGM PUMP SERIES

## Specifications DP423

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	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

## Specifications DP573

Pressure in PSI and BAR	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
	LPM	KW	LPM	KW	LPM	KW	LPM	KW	LPM	KW
	@ 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

## Specifications DP763

Pressure in PSI and BAR	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
	LPM	KW	LPM	KW	LPM	KW	LPM	KW	LPM	KW
	@ 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

## Order Information

Part Number	Description
9910-DP423	11.0 gpm Poly Diaphragm Pump
9910-DP423GRGI	11.0 gpm Poly Diaphragm Pump with Gearbox and Control Unit
9910-GS25	Control Unit (DP423)
9910-DP573	15.0 gpm Poly Diaphragm Pump
9910-DP573GRGI	15.0 gpm Poly Diaphragm Pump with Gearbox and Control Unit
9910-DP763	20.0 gpm Poly Diaphragm Pump
9910-DP763GRGI	20.0 gpm Poly Diaphragm Pump with Gearbox and Control Unit
9910-GS35S	Control Unit (DP573 & DP763)



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