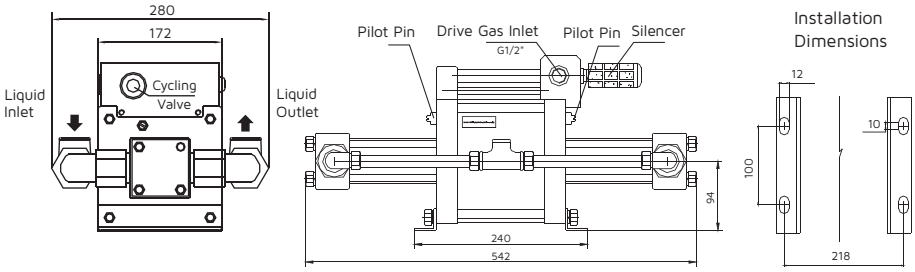
PGD Series - 160mm Double Acting Liquid Pumps

The ProTech PGD Series Pump that uses a 160 mm diameter double acting air drive with a liquid end connected to each end of the air drive.

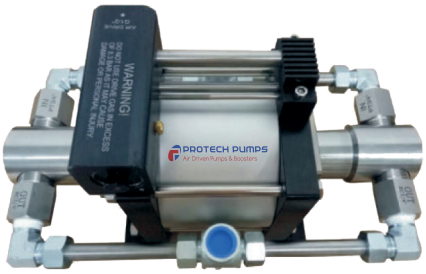
Due to the two liquid ends the pump is double acting and delivers high pressure liquid outlet on both strokes of the reciprocating air drive. This makes the PGD series almost twice as efficient as the PG series.

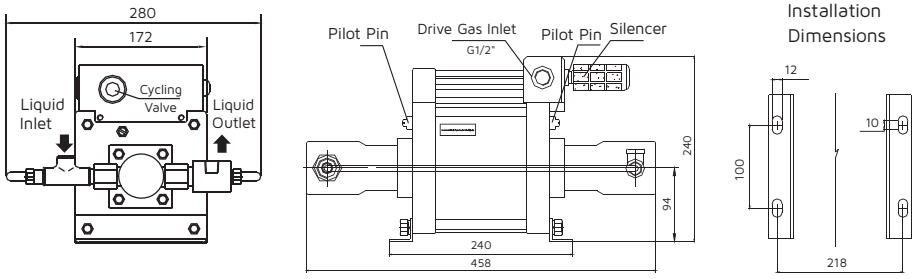
These pumps can be supplied with interconnecting tubing that connects both liquid inlets to a common port and both liquid outlets to a common port making for a simple installation.

PGD pumps are generally used when more flow is required than that delivered by it corresponding PG unit.

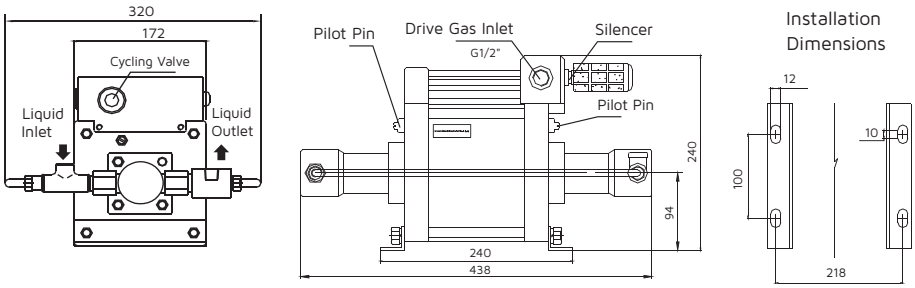


PGD9





PGD15 | PGD18



PGD25 | PGD36 | PGD60 | PGD75 | PGD100 | PGD120

All dimensions are in mm unless otherwise stated.

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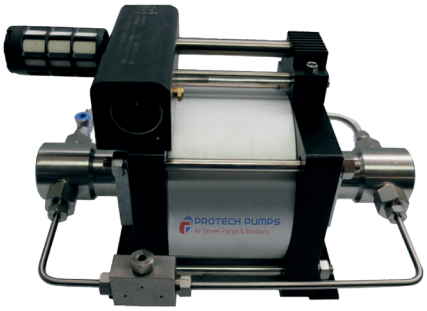

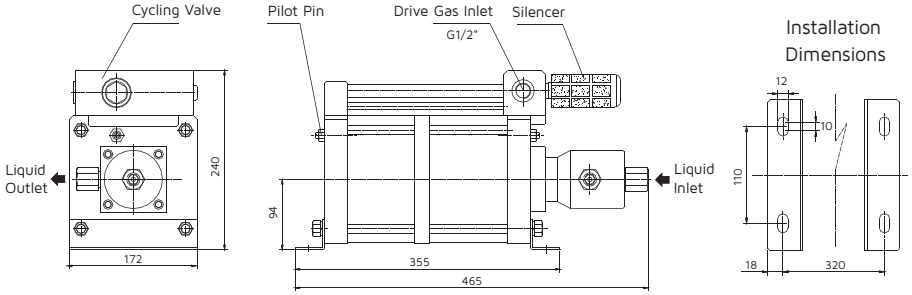

PGD160 | PGD220 | PGD280 | PGD400

PGD Series Technical Data

Model	Displacement per Cycle -cc	Liquid Inlet	Liquid Outlet	Max. Output Pressure @ Drive 8.3 -Bar	Output Fluid Pressure (Barg) 1 Barg=0.1 Mpa=1.019 Kg/cm²															
					0	20	40	70	100	150	200	300	400	500	600	700	900	1200	1700	2350
					Flow Rate/Minute (L/min)															
PGD3	401.95	NPT3/4″	NPT3/4″	33																
PGD5	249.25	NPT3/4″	NPT3/4″	58																
PGD9	235.50	NPT3/4″	NPT3/4″	83	35.30	26.50	20.60	17.70	11.80											
PGD15	188.50	NPT3/4″	NPT3/4″	132	22.62	16.97	13.20	11.31	7.54											
PGD18	144.32	NPT3/4″	NPT3/4″	166	17.32	14.43	12.99	11.55	10.10	0.00										
PGD25	106.03	NPT1/2″	NPT1/2″	232	12.72	10.60	9.54	8.48	7.42	6.36	0.00									
PGD36	73.63	NPT1/2″	NPT1/2″	332	8.84	7.36	6.63	5.89	5.15	4.42	3.68	0.00								
PGD60	47.12	NPT3/8″	NPT3/8″	498	5.65	4.71	4.24	3.77	3.30	2.83	2.36	1.88	1.41							
PGD75	38.17	NPT3/8″	NPT3/8″	664	4.58	3.82	3.44	3.05	2.67	2.29	1.91	1.53	1.34	1.15						
PGD100	30.16	NPT3/8″	NPT3/8″	830	3.62	3.32	3.02	2.87	2.56	2.26	1.81	1.51	1.21	1.06	0.90	0.00				
PGD120	23.09	NPT3/8″	NPT3/8″	1079	2.77	2.66	2.54	2.31	2.08	1.85	1.62	1.39	1.15	0.92	0.81	0.69	0.23			
PGD160	12.44	NPT3/8″	NPT3/8″	1411	1.49	1.43	1.37	1.31	124	1.12	1.00	0.87	0.75	0.62	0.50	0.44	0.37	0.12		
PGD220	8.64	NPT3/8″	※HF4	1992	1.04	0.99	0.95	0.91	0.86	0.78	0.69	0.60	0.52	0.43	0.35	0.30	0.26	0.22	0.17	
PGD280	7.00	NPT1/4″	※HF4	2490	0.84	0.81	0.81	0.77	0.74	0.70	0.63	0.56	0.49	0.42	0.35	0.32	0.28	0.32	0.18	
PGD400	5.53	NPT1/4″	※HF4	3320	0.66	0.64	0.64	0.61	0.58	0.55	0.50	0.44	0.39	0.33	0.28	0.25	0.22	0.21	0.19	0.14

The maximum acceptable air drive pressure (**Pa**) is 8.3 Barg.