

## PNEUMATIC FLUID METERING PUMP MODULE SELECTION TABLE

	STAINLESS STEEL CYLINDER							POLYPROPYLENE PLASTIC CYLINDER						
TYPE	CHECK BALL VALVE				VALVELESS			VALVELESS			CHECK BALL VALVE			
PUMP MODULE	P2100		P2000		P4100	P4000		P4100-CR	P4000-CR		P2000-CR			
MODELS	PPL 0802	PPL 0804	PPL 1608	PPL 1616	PR 0804	PR 1608	PR 1616	PR 0804-CR	PR 1608-CR	PR 1616-CR	PPL 1608-CR	PPL 1608-CRX	PPL 1616-CR	PPL 1616-CRX
Adjustable Shot Range, mL	.01-.10	.08-.40	0.50-3.50	3.50-12.50	.08-.40	.50-3.50	3.50-12.50	.08-.40	.50-3.50	3.50-12.5	.50-3.50	.50-3.50	3.50-12.50	3.50-12.50
* Flow Rate @ 60cpm, max. mL/min.	6	24	210	750	24	210	750	24	210	750	210	210	750	750
Piston material	99.5% Alumina Ceramic							Delrin						
Cylinder mat'l.	Sst 316	Sst 316	Sst 316	Sst 316	Sst 316	Sst 316	Sst 316	Polypropylene (PP)						
Valve type & material	Check ball-Hardened sst 440c Spring material-sst 316				Rotary piston, 99.5% Alumina Ceramic			Rotary piston , Delrin			Molded check ball with spring action, EPDM mat'l.			
Wetted material	Stainless steel, ceramic, teflon™, viton™, polyethylene (PE)				Sst, ceramic, teflon™, viton™, polyethylene(PE)			Delrin, polypropylene viton™, polyethylene (PE)			Delrin, polypropylene, EPDM, viton™, polyethylene (PE)			
* Max. speed @ full stroke, cpm	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Repeatability/ Accuracy, %	99.7 / 99.5				99.7 / 99.5			99.3 / 99.0			99.3 / 99.0			
Fluid pressure max, psig	400	100	400	100	100	400	100	100	400	100	400	400	100	100
Fluid temperature max., deg. °F	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Max. viscosity Centipoise, cps	1,000				150,000			150,000			1,000			
Fluid port: Inlet/outlet	10-32NF		1/8 NPT		1/16 NPT	1/8 NPT		1/16 NPT	1/8 NPT					
Stroke adjust, inch, resolution	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001
Pump module Weight, lbs.	2	2	6	6	2	7	7	3	3	3	3	3	3	3
Pump module Dimension, inches	1.12 x 9.25	1.12 x 9.25	2.0 x 15	2.0 x 15	1.8 x 12.25	2.0 x 17.5	2.0 x 17.5	1.8 x 12.0	2.0 x 14.0	2.0 x 14.0	2.0 x 14.0	2.0 x 16.0	2.0 x 14.0	2.0 x 16.0

\*Maximum speed and flow rates are at full stroke and numbers are based on distilled water.

\*\* click on pump module for more specifications, features, pictures, and description.

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