

VS Series

VS Variable Metering Pumps



Model BBBS

Triple piston pumps with flow rates ranging between 12 to 144 mL/min., and pressures to 5000 psi. Pump model available in type 316 stainless steel.

Optos Series



- Smooth fluid delivery, 0.002 to 80 mL/min in various models using a reciprocating piston design.
- High Pressure capabilities, to 6000 psi.
- Corrosion resistant materials
- Precise Metering,
- Wide Flow Ranges
- Reciprocating Piston Design
- Versatile, Easy to Use
- Convenient Control Options
- Corrosion Resistance
- Non Metallic
- Piston Wash
- Simple, robust construction

HP Series

HP Manual Metering Pumps

Model A

Single piston pumps with flow rates ranging between 0.02 to 6.0 mL/min., and pressures to 5000 psi. Pump models available in type 316 stainless steel, CTFE, and PEEK.



Model B

Single piston pumps with flow rates ranging between 0.2 to 32 mL/min., and pressures to 5000 psi. Pump models available in type 316 stainless steel, CTFE, and PEEK.



Model AA

Dual piston pumps with flow rates ranging between 0.2 to 10 mL/min., and pressures to 5000 psi. Pump models available in type 316 stainless steel, CTFE, and PEEK.



Model BBB

Triple piston pump with flow rate range between 1.0 to 100 mL/min., and pressures to 5000 psi. Pump models available in type 316 stainless steel



Model B EXP

Single piston pumps with flow rates ranging between 0.2 to 23 mL/min., and pressures to 5000 psi. Pump models available in type 316 stainless steel. Motor used is rated for Class I Group D requirements



Optos Metering Pumps

MODEL 1

	Flow Rate	Pressure	Piston	MODEL	PLUS*
SS 316	0.002 - 2.5	6000	3/32	1 LM	1 LMP
	0.003 - 5.0	6000	1/8	1 SM	1 SMP
	0.01 - 20.0	3000	1/4	1 HM	
PEEK	0.002 - 2.5	4000	3/32	1 LI	1 LIP
	0.003 - 5.0	4000	1/8	1 SI	1 SIP
	0.003 - 5.0	3000	1/4	1 HI	

MODEL 2

	Flow Rate	Pressure	Piston	MODEL	PLUS*
SS 316	0.003 - 5	6000	3/32	2 LM	2 LMP
	0.01 - 10	6000	1/8	2 SM	2 SMP
	0.02 - 40	1500	1/4	2 HM	
PEEK	0.003 - 5	4000	3/32	2 LI	2 LIP
	0.01 - 10	4000	1/8	2 SI	2 SIP
	0.02 - 40	1500	1/4	2 HI	

MODEL 3

	Flow Rate	Pressure	Piston	MODEL
SS 316	0.01 - 10	3000	3/32	3 LM
	0.01 - 20	1500	1/8	3 SM
	0.04 - 80	750	1/4	3 HM
PEEK	0.01 - 10	3000	3/32	3 LI
	0.01 - 20	1500	1/8	3 SI
	0.04 - 80	750	1/4	3 HI

*Plus models of Optos pumps integrate a pulse damper to further reduce pulsation, and have the ability to monitor pressure and set high and low