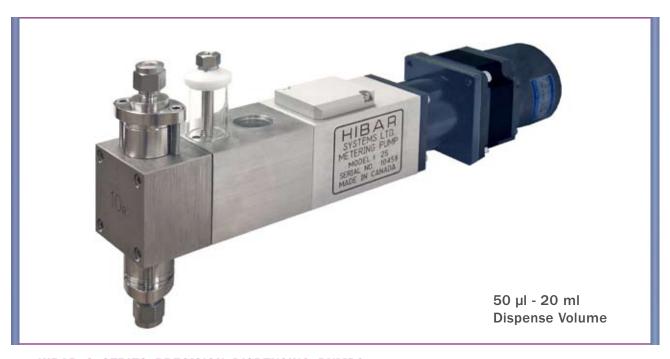


The Liquid Dispensing Specialists

1S/2S SERIES **PRECISION CHECK VALVE DISPENSING PUMPS**



The HIBAR S SERIES PRECISION DISPENSING PUMPS are ideally suited for lower viscosity applications (< 20,000 cps) that require dispensing of 50 µl to 20 ml per shot. Hibar check valve style pumps have proven reliability and accuracy in a wide range of industries for over 30 years.

The S Series Pumps combine this proven dispensing technology with state-of-the-art servomotor drives to provide precise, programmable control over the dispense volume and speeds. The modular design and electronic control simplifies interfacing to existing filling systems.

SERVOMOTOR DRIVE FEATURES

S SERIES PUMP FEATURES

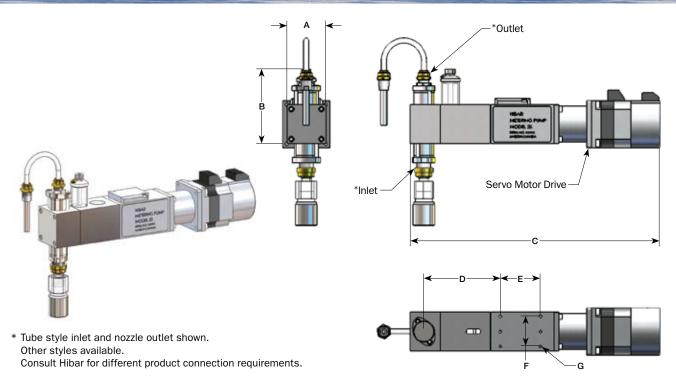
Accuracy	Dispensing accuracies of \pm 0.2% or better.	Integrated check valves.			
Control	Precise control of the dispense profile minimizes splashing and foaming while	Self contained, easily adaptable to most automated filling equipment.			
	maximizing the cycle rate.	Integral servomotor drive with built-in motor controller.			
■ Versatility With a simple serial connection, recipes		High quality Stainless Steel construction.			
	and parameters such as acceleration, fill volume and fill speed can be downloaded to the pump with ease.	Low maintenance design, long service life.			
Compact	The motor, resolver and drive control are				

one integral unit mounted on the pump.

Simplicity Requires only 48 VDC power and a start signal to perform a programmed

dispense cycle.

PRECISION CV DISPENSING PUMPS SPECIFICATIONS AND APPLICATIONS



Model	Plunger Diameter		Stroke	Maximum Dispensing Volume	Cycle Speed	Drive Voltage	External Dimensions inch (mm)						Weight Ibs	
	inch	(mm)	inch (mm)	(cc)	(cpm)	(VDC)	A	В	C _B	D	E	F	G	(kg)
1SC-3M	3/16	(4.8)		0.230	0-150 ^A	48	1.68 (43)	3.45 (88)	10.83 (275)	3.14 (79)	1.63 (41)	1.25 (32)	8-32	5.5 (2.5)
1SC-4M	1/4	(6.4)		0.400										
1SC-5M	5/16	(7.9)	1/2 (12.7)	0.630										
1SC-7M	7/16	(11.1)		1.230										
1SC-10M	5/8	(15.9)		2.510										
2SC-8R	1/2	(12.7)	1 (25.4)	3.220	0-150 ^A	48	1.94 (49)	3.71 (94)	12.47 (316)	3.83 (97)	2.00 (50)	1.50 (38)	8-32	8.5 (3.8)
2SC-10R	5/8	(15.9)		5.030										
2SC-12	3/4	(19.1)		7.240										
2SC-14	7/8	(22.2)		9.850										
2SC-17	1-1/16	(27.0)		14.520										
2SC-20	1-1/4	(31.8)		20.110										

 $^{^{\}rm A}$ Maximum cycle rate is application dependant $^{\rm B}$ Dependent on choice of servo motor model

APPLICATIONS						
General	Cosmetics	Food	Pharmaceutical			
- Acids - Glues/Adhesives - Alkalines - Battery Electrolyte - Reagents - Lighter Fluids - Inks - Oils - Paints - Solvents	 Perfume Creams Nail Lacquer Lotions Moisturizer Shampoos Skin Cleanser Oils Make-up Remover 	 Ketchup Vinegar Honey Butter Cream Jelly Sauces Butter Juices Coffee Puddings 	Medicine Culture Media Biologicals Antibiotics Cough Syrup			

