

Metering Plunger and Diaphragm Pumps API 675 SPR Type



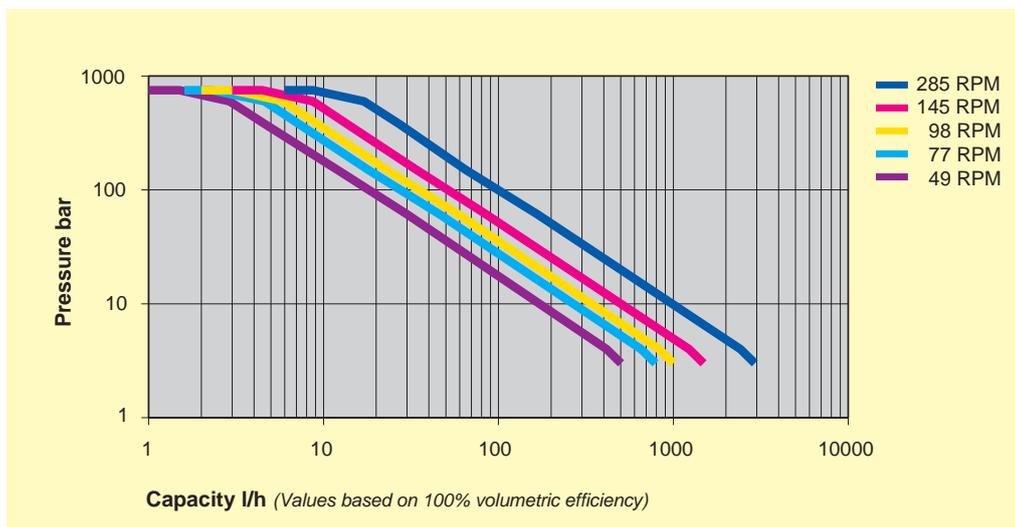
Rod thrust: 350 kg
Stroke length: 20 mm
RPM Max: 285

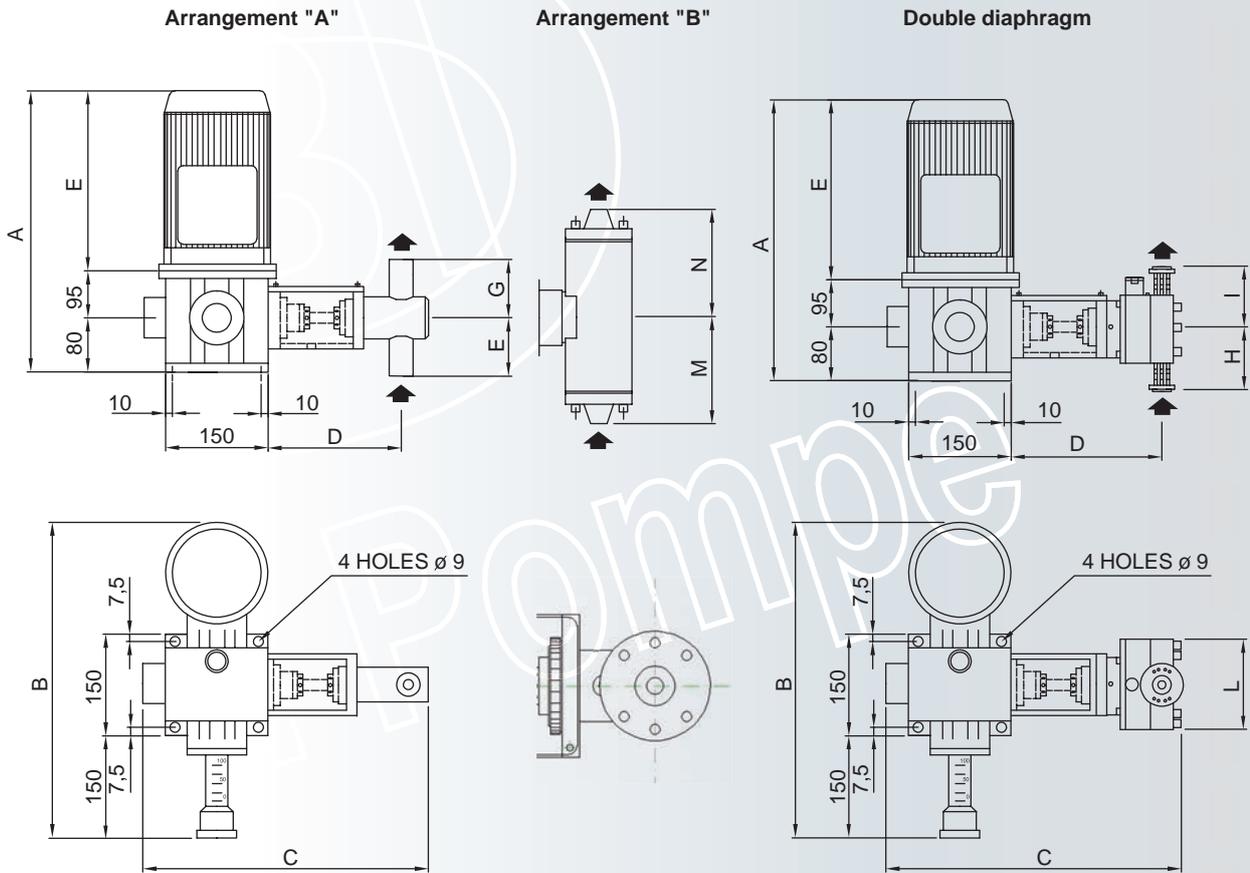


The SPR metering pump covers the range of small and medium capacities in dosage and injection applications. The pump is a positive return type and is designed for continuous service. Its design allows the installation of a double acting arrangement to obtain very large capacities. During operation or standstill of the pump the stroke is continuously adjustable by means of a manual knob or by automatic control systems, pneumatically or electronically driven. The stroke variation is proportional within the whole adjusting range of 0-100% and guarantees linearity and repeatability of the flow in accordance with API 675 requirements.

For the hydraulic end there are two versions available: plunger and diaphragm. The diaphragm head is hydraulically actuated and the diaphragm is double with a monitoring system which allows failure detection.

SPR Performances





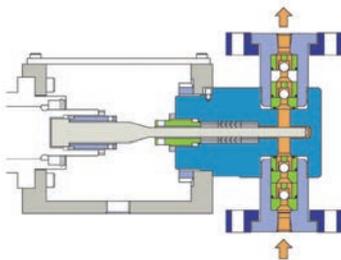
The dimensions are approximate and not binding

SPR Series - Rev. 1

Arrangement	Plunger Diameter	PLUNGER Vers.							DIAPHRAGM Vers.			Connections	
		A	B	C	D	E	F	G	H	I	L	M	N
A	5 - 16 mm	420	590	380	180	265	65	65	99	99	120	-	-
	20 - 40 mm	440	610	380	190	290	90	90	110	110	150	-	-
B	50 - 80 mm	560	560	540	500	290	132	132	155	155	190	142	135
	90 - 110 mm	580	571	540	300	310	170	170	205	203	230	165	156

Pumping Heads

Typical high-pressure plunger pump with double ball valves



Double diaphragm hydraulic actuated pump "Sandwich type" with double valve

