

Small-Size Portable Electric Pump (two-stage type)

■ Description of the characteristics and the functions of each type

Type		Characteristics	Functions	Approximate weight (kg)		Indicated page
For single-acting cylinder	SMP-30※*NV	Basic type	A single-acting cylinder is operated by the operating switch. The pressure cannot be maintained or stopped in the middle.	2.0 L tank	14.5	67
	SMP-40※*NV			4.5 L tank	17.5	
				6.5 L tank	20.5	
	SMP-30※*B	Manual operation type	A single-acting cylinder is operated by a manual three-way valve. The pressure can be maintained at a preset pressure of the pressure switch.	2.0 L tank	14.5	
	SMP-40※*B			4.5 L tank	17.5	
				6.5 L tank	20.5	
	SMP-30※*BR	Manual operation type with a relief valve	The basic operation method is the same as that of the above "B" type. The difference is that this pump incorporates a relief valve for fine pressure adjustment, and also the pressure can be maintained.	2.0 L tank	16.0	70
	SMP-40※*BR			4.5 L tank	19.0	
			6.5 L tank	22.0		
	SMP-30※*SK	Middle-stop type	A single-acting cylinder is operated by the operating switch. The pressure can be maintained and stopped in the middle, but cannot be stopped while the cylinder is returning. The stop position is not very precise.	2.0 L tank	14.5	68
	SMP-40※*SK			4.5 L tank	17.5	
			6.5 L tank	20.5		
SMP-30※*AR	Automatic return type	A single-acting cylinder returns automatically at a preset pressure of the pressure switch. Other functions are the same as those of SMP-30**NV.	2.0 L tank	14.5		
SMP-40※*AR			4.5 L tank	17.5		
		6.5 L tank	20.5			
SMP-30※*RK	Return-keep type	A single-acting cylinder is operated by a solenoid valve. The cylinder can be stopped at any position while it is returning under the no-load condition.	2.0 L tank	16.5	69	
SMP-40※*RK			4.5 L tank	19.5		
		6.5 L tank	22.5			
SMP-30※*NE	Non-inertia type	A single-acting cylinder is operated by a solenoid valve. The cylinder can be stopped at any position immediately when it moves upward/downward under the no-load condition and also the pressure can be maintained.	2.0 L tank	19.0		
SMP-40※*NE			4.5 L tank	22.0		
		6.5 L tank	25.0			
For double-acting cylinder	SMP-30※*C	Four-way three-position manual operation type	A double-acting cylinder is operated by a manual four-way valve. The pressure can be maintained at a preset pressure of the pressure switch.	2.0 L tank	15.5	70
	SMP-40※*C			4.5 L tank	18.5	
				6.5 L tank	21.5	
	SMP-30※*CR	Four-way three-position manual operation type with a relief valve	The basic operation method is the same as that of the above "C" type. The difference is that this pump incorporates a relief valve for fine pressure adjustment and also the pressure can be maintained.	2.0 L tank	17.0	
	SMP-40※*CR			4.5 L tank	20.0	
			6.5 L tank	23.0		
	SMP-30※*DCB	Falling-under-self-weight proof type	A double-acting cylinder is operated by a manual four-way valve with a pilot check valve and a counter balance valve. These valves prevent falling under self-weight caused by a heavy load and others, and make the cylinder operate smoothly.	2.0 L tank	18.5	71
	SMP-40※*DCB			4.5 L tank	21.5	
			6.5 L tank	24.5		
	SMP-30※*SL	Shuttle valve mounting type	A three-way solenoid valve (KD-3C) and a shuttle valve are combined to make a four-way two-position valve to operate a double-acting cylinder. It can be used for a double-acting type torque wrench and other tools.	2.0 L tank	18.5	
	SMP-40※*SL			4.5 L tank	21.5	
			6.5 L tank	24.5		
SMP-30※*SW	Four-way three-position center bypass type	A double-acting cylinder is operated by a solenoid valve. Being responsive, the pump stops the cylinder rapidly and the pressure can be maintained for a long time.	2.0 L tank	20.5	72	
SMP-40※*SW			4.5 L tank	23.5		
		6.5 L tank	26.5			
SMP-30※*SP	Four-way three-position P port blocked type	A double-acting cylinder is operated by a solenoid valve. The P port is blocked during the neutral condition and becomes an ABT connection.	2.0 L tank	19.0		
SMP-40※*SP			4.5 L tank	22.0		
		6.5 L tank	25.0			