

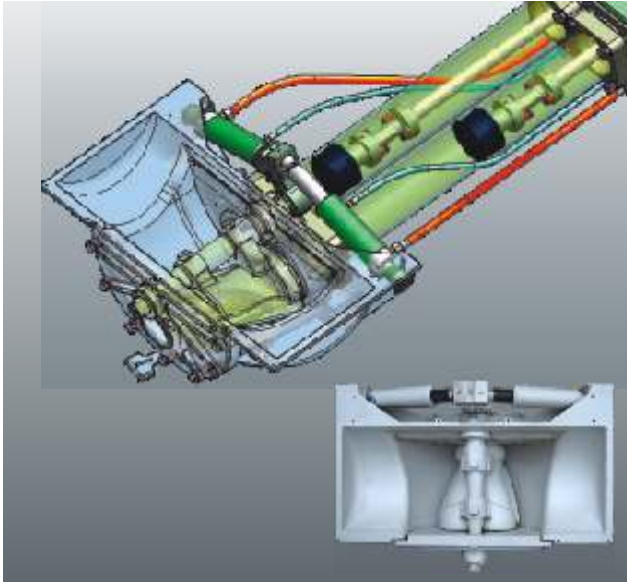
STATIONARY CONCRETE PUMP

SP 1600 / SP 1800 / SP 2000 / SP 2800



SCHWING CONCRETE PUMPS TO REACH GREATER HEIGHTS

SCHWING portable concrete pumps are successfully deployed worldwide wherever vast quantities of concrete have to be pumped over exceptionally long horizontal and vertical distances. In building and civil engineering projects, they are also fast, reliable and economically efficient in handling pumpable concretes under extreme conditions with regard to concrete designs, job sites and climate.



Compact class, High performance & High fuel efficiency



The Rock Valve

RL-Rock valve, is a new generation Rock valve, Engineered by SCHWING R&D after extensive studies of behavior of tough concrete in various developing countries.

This rugged, reliable rock valve is highly suited for stiff, difficult mixes of concrete and ideal for use in combination with the long stroke pumping unit. An option that can be recommended is the hard facing layer for extremely long service life.



Integrated Control block

The hydraulic control system is integrated within the drive. The compact control block & minimal hydraulic lines makes the equipment Reliable & durable.



Fast Switching Valve

Compact design individual switching circuit ensures quick operation of rock valve.



Remote Control

The Concrete pump comes complete with a 10 meter cable remote control as a standard feature



Hydraulics

All SCHWING concrete pumps have an output governed hydraulic pump that ensures that the prime mover is never overloaded, the automatic governor splits available engine output optimally into oil flow and oil pressure and allows the concrete pump to run at the best possible output level. At the same time, the manual de-stroker valve can be used to set the pump to a required fine tuning to set stroke rate and output independent of the automatic governor. The open circuit, combined with the SCHWING designed "Hi-flow" spool block ensures minimum heat generation in the hydraulics, therefore there are negligible output losses and minimum stress on the hydraulic components.

Easy maintenance

The easy access to all the parts of the machine ensures that maintenance requires the minimum time for maintenance so your machine is up and running in no time at all.

SCHWING HIGHER, FASTER, FUEL EFFICIENT

Pumping

The pump has two powerful differential and pumping cylinders. The prodigious combined capacity and performance of these cylinder systems ensures a high output. Our pumps are designed to offer you maximum output with minimum number of strokes to increase the life of the cylinders.



SP1600



SP1800



SP2000



SP2800

TECHNICAL DATA

Parameters	Unit	SP 1600		SP 1800 D / E		SP 2000		SP 2800 D / E	
Engine / Motor Capacity	kW	73		81 / 75		132		132 / 132	
Nominal speed	min ⁻¹	2200		2100		2200		2200	
Pumping Cylinder Ø x Stroke	mm	180 x 1400		200 x 1600		200 x 1600		200 x 1600	
Differential cylinder drive		Piston Side	Rod side	Piston Side	Rod side	Piston Side	Rod side	Piston Side	Rod side
Max. No. of Strokes	min	21	30	16/16	24/24	14	25	19/19	33/33
Max. theor. Concrete Output	m ³ /h	45	64	42/42	73/73	42	73	58/58	101/101
Max. Concrete pressure	bar	105	67	112	62	119	66	119	66
Capacity of Charging Hopper	litres	400		400		400		400	
Dead Weight incl. oil and Fuel	kg	4530		5200		5200		5300	
Delivery line Ø up to	mm	150		150		150		150	

