SCHWING Stetter

HEAVY DUTY SERIES

1800 D/E 2000 D 2509 D/E 2809 D
3000 D/E 4507 D

Concrete Stationary Pump

RECORD BREAKING ENGINEERING

SCHWING MANUFACTURING FACILITIES

SCHWING Stetter India, one of the largest manufacturers of concreting and construction equipment across the country, today inaugurated it's 5th manufacturing facility in Cheyyar, Tamil Nadu. The state-of-the-art integrated facility of 52 acres comprising of 50,000 square metres of built up area will now become a Global Manufacturing hub for Schwing's concrete boom pumps, stationary pumps, self-loading mixers, shotcrete pumps, excavators, wheel loaders and motor graders.

The Global Manufacturing Hub also has space for creating future expansion and hydraulic excavator factory will be ready in the next three months to add a capacity of 7500 units per year. Presently, in this factory, SCHWING has increased production capacities, for example, pump by 50%, truck mounted boom pump by four times, Self-loading Mixers by five times and truck mixers and Batching Plant capacity to go up by two times.

CORPORATE OFFICE & R&D CENTRE
F71/72 SIPCOT INDUSTRIAL ESTATE, IRUNGATTUKOTTAI, SRIPERUMBUDUR, KANCHIPURAM DISTRICT - 602117, TAMIL NADU, INDIA.

GLOBAL MANUFACTURING HUB
SCHWING STETTER INDIA ,A8 SIPCOT INDUSTRIAL PARK, CHEYYAR - KANCHIPURAM RD , CHOLAVARAM, TAMIL NADU 631701

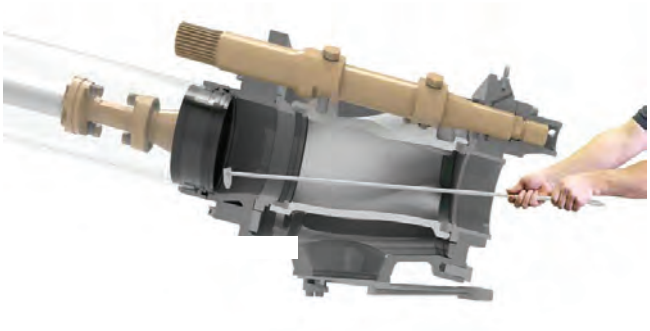
SERVICE CENTRE & TRUCK MIXER FACILITY
F75 , SIPCOT INDUSTRIAL ESTATE, IRUNGATTUKOTTAI, SRIPERUMBUDUR, KANCHIPURAM DISTRICT - 602117, TAMIL NADU, INDIA.

TRUCK MIXER FACILITY
D6 , SIPCOT INDUSTRIAL ESTATE, IRUNGATTUKOTTAI, SRIPERUMBUDUR, KANCHIPURAM DISTRICT - 602117, TAMIL NADU, INDIA.

BATCHING PLANT FACILITY
G12 , SIPCOT INDUSTRIAL ESTATE, IRUNGATTUKOTTAI, SRIPERUMBUDUR, KANCHIPURAM DISTRICT - 602117, TAMIL NADU, INDIA.

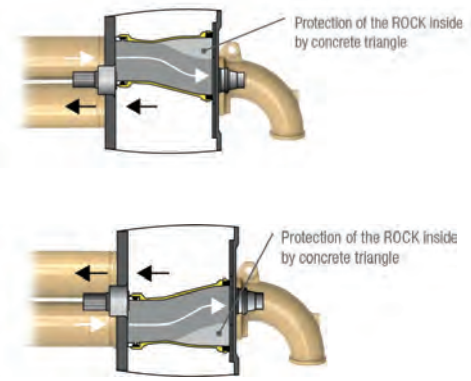
ROCK VALVE

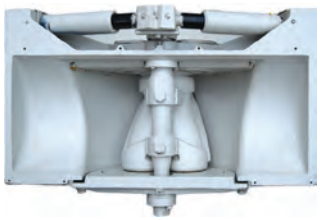
This rugged, reliable rock valve is highly suited for stiff, difficult mixes of concrete and ideal to use in combination with the long stroke pumping unit. All concrete pumps from SCHWING have a concrete valve, which is characterized by extremely low wear, a long service life and a very good cleaning ability

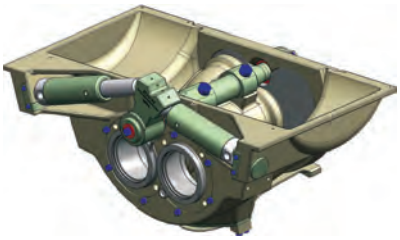


Due to its straight design, in comparison to other concrete valves, the ROCK valve is easier and quicker to clean. It also provides a direct view into the delivery cylinder and of the pumping pistons. The pump kit can therefore be cleaned easily and conveniently within just two strokes. This saves water and reduces the time needed for cleaning.

The wear in the concrete valve is particularly high as the concrete is fed into the outlet at high pressure. In order to minimize this wear, at the most heavily loaded point of the ROCK concrete does not rub on steel, but rather on concrete. This is because the intelligent design of the ROCK leads to the formation of a concrete triangle after each shift. Protected by this concrete layer, the ROCK has a signifi cantly longer service life than other concrete valves. For noticeably more profit per m³.







The ROCK valve not only has a significantly longer service life than other concrete valves, it is also easier to maintain. After removing the housing cover, the wear parts are easily accessible and can be replaced quickly and safely. Time-consuming adjustment work is not required after replacement. And the number of wearing parts at 3 to 4 with the ROCK valve is just half as high as with other concrete valves. The maintenance of the ROCK valve: simple, fast and safe.

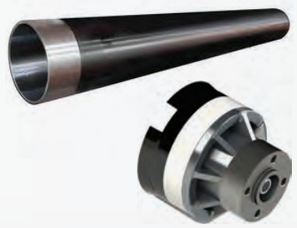
FEATURES

On construction sites around the world, The RMC series from SCHWING has been a central component of concrete logistics for decades. Proven technologies, such as the robust and easy-to-clean ROCK concrete valve and the SCHWING hydraulic components, guarantee high reliability, a strong output rate and low maintenance costs. In combination with the customer-oriented SCHWING service, the RMC series machines ensures more safety and efficiency in concrete pumping.

PUMP KIT

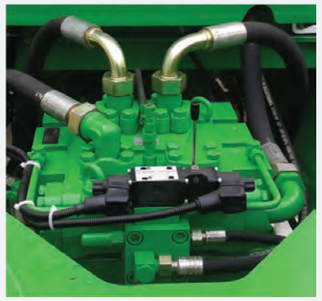
Using the powerful Pump Kit combo with Rod-side connection the high delivery rate will be achieved.

PUMPING CYLINDER & SPLIT RAM



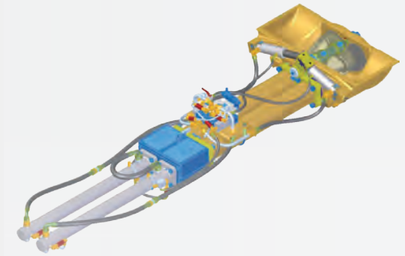
- Pumping Cylinder Wearability is increased through specialized material which gives longer life
- Split Ram provides easy serviceability , Which reduces service time

SCHWING CONTROL TECHNOLOGY



Includes electric throttle & stroke limiter for precise volume control. FDR setup is provided as Optional for lower version concrete pump models.

HIGH PRESSURE CONVERSION

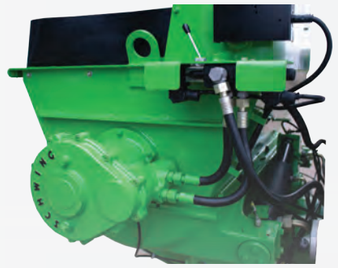


Symmetrical Switching equalizes pressures in the concrete pump for smoother, quieter operation. Hydraulic Switching for 100% suction and delivery

HYDRAULIC OIL COOLER

Controls heat during continuous concrete pumping providing proven cooling performance. Open loop all-hydraulic concrete pump sets the standard for fuel-efficiency, reliability & performance.

HOPPER & GEAR BOX FOR AGITATOR



Appropriate suction is possible only through large apertures. It keeps harsher mixes flowing to the cylinders. SCHWING Hopper is equipped with a grill secured by safety latches & a protective boundary.

CABLE REMOTE CONTROL

It frees the operator to monitor pumping progress. Functions include pumping forward/reverse, pumping stop, agitator on/off

LUBRICATION SYSTEM

The critical wear parts are lubricated regularly with the grease from central distributor system

DATA SHEET

Designation		SP1800 D	
Weight	kg	5200	
Performance		**Piston Sided**	**Rod Sided**
Pump kit		P1620	
Delivery cylinders (DN x stroke)	mm	200 x1000	
Concrete output max.	m³/h	42	73
Pressure on concrete max.	bar	108	60
Stroke rate max.	L/min.	14	24
Concrete valve		RL ROCK	
Hydraulic System			
Design		Open System	
Hydraulic tank	Lts.	380	
Prime Mover			
Type		Diesel	
Power	kW	81	
Nominal speed	L/min.	2100	
Fuel tank	Lts.	250	

Designation		SP2000	
Weight	kg	5300	
Performance		**Piston Sided**	**Rod Sided**
Pump kit		P1620	
Delivery cylinders (DN x stroke)	mm	200 x 1600	
Concrete output max.	m³/h	44	76
Pressure on concrete max.	bar	119	66
Stroke rate max.	L/min.	14	25
Concrete valve		RL ROCK	
Hydraulic System			
Design		Open System	
Hydraulic tank	Lts.	400	
Prime Mover			
Type		Diesel	
Power	kW	81	
Nominal speed	L/min.	2100	
Fuel tank	Lts.	100	

Designation		SP2509 D	
Weight	kg	5300	
Performance		**Piston Sided**	**Rod Sided**
Pump kit		P1618	
Delivery cylinders (DN x stroke)	mm	180 x 1600	
Concrete output max.	m³/h	33	58
Pressure on concrete max.	bar	142	79
Stroke rate max.	L/min.	14	24
Concrete valve		RL ROCK	
Hydraulic System			
Design		Open System	
Hydraulic tank	Lts.	380	
Prime Mover			
Type		Diesel	
Power	kW	132	
Nominal speed	L/min.	2200	
Fuel tank	Lts.	100	

Designation		SP2509 E	
Weight	kg	5300	
Performance		**Piston Sided**	**Rod Sided**
Pump kit		P1618	
Delivery cylinders (DN x stroke)	mm	180 x 1600	
Concrete output max.	m³/h	33	64
Pressure on concrete max.	bar	142	79
Stroke rate max.	L/min.	14	26
Concrete valve		RL ROCK	
Hydraulic System			
Design		Open System	
Hydraulic tank	Lts.	400	
Motor			
Type		Electrical	
Power	kW	132	
Nominal speed	L/min.	1500	

* Towing chassis & axle designed for 25kmph

DATA SHEET

Designation		SP2809 D	
Weight	kg	5500	
Performance		**Piston Sided**	**Rod Sided**
Pump kit		P1623	
Delivery cylinders (DN x stroke)	mm	230 x 1600	
Concrete output max.	m³/h	74	129
Pressure on concrete max.	bar	95	53
Stroke rate max.	L/min.	19	32
Concrete valve		RL ROCK	
Hydraulic System			
Design		Open System	
Hydraulic tank	Lts.	380	
Prime Mover			
Type		Diesel	
Power	kW	169	
Nominal speed	L/min.	2100	
Fuel tank	Lts.	100	

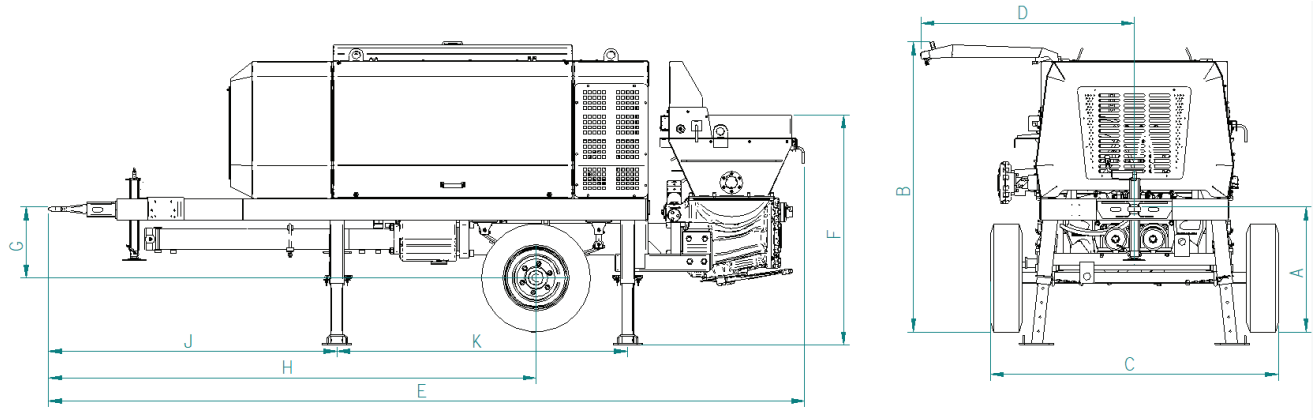
Designation		SP3000 D	
Weight	kg	5500	
Performance		**Piston Sided**	**Rod Sided**
Pump kit		P1618	
Delivery cylinders (DN x stroke)	mm	180 x 1600	
Concrete output max.	m³/h	35	64
Pressure on concrete max.	bar	151	84
Stroke rate max.	L/min.	14	26
Concrete valve		RL ROCK	
Hydraulic System			
Design		Open System	
Hydraulic tank	Lts.	400	
Prime Mover			
Type		Diesel	
Power	kW	169	
Nominal speed	L/min.	2100	
Fuel tank	Lts.	100	

Designation		SP3000 E	
Weight	kg	5500	
Performance		**Piston Sided**	**Rod Sided**
Pump kit		P1618	
Delivery cylinders (DN x stroke)	mm	180 x1600	
Concrete output max.	m³/h	35	64
Pressure on concrete max.	bar	151	84
Stroke rate max.	L/min.	14	26
Concrete valve		RL ROCK	
Hydraulic System			
Design		Open System	
Hydraulic tank	Lts.	400	
Motor			
Type		Electrical	
Power	kW	160	
Nominal speed	L/min.	1485	

Designation		SP4507 D	
Weight	kg	8000	
Performance		**Piston Sided**	**Rod Sided**
Pump kit		P2020	
Delivery cylinders (DN x stroke)	mm	200 x 2000	
Concrete output max.	m³/h	54	84
Pressure on concrete max.	bar	191	122
Stroke rate max.	L/min.	14	22
Concrete valve		RL ROCK	
Hydraulic System			
Design		Open System	
Hydraulic tank	Lts.	620	
Prime Mover			
Type		Diesel	
power	kW	239	
Nominal speed	L/min	2100	
Fuel tank	Lts	330	

* Towing chassis & axle designed for 25kmph

TECHNICAL DRAWINGS



DIMENSIONS

MODEL	~A	~B	~C	~D	~E	~F	~G	~H	~J	~K
SP1800	1048	2695	2116	1527	5500	1845	633	2457	2319	2120
SP2000	883	2520	2100	1650	5230	1705	497	3485	2319	2120
SP2809	899	2909	1959	1643	5691	1773	499	3485	2319	2120
SP2509	897	2920	1960	1850	5757	1705	497	3665	2500	2120
SP3000	912	2940	1960	1685	5757	1705	497	3665	2500	2120
SP4507	867	2960	1930	1802	6950	1705	497	4220	2319	3010

Note : All dimensions are in mm

SITE IMAGES

RECORD BREAKING ENGINEERING

SCAN ME

Online Enquiry

For more complete information on **SCHWING's** products, services and industry solutions, visit us at **www.schwingstetterindia.com**
Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment.
See your SCHWING's Branch/dealer for available options

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SSI/SP/RMC/May/2022