

RMC SERIES

SP1015 SP1407 SP1200 SP1420
SP1400 SP1807 SP1807 RMC

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 its 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.

SERVICE CENTRE & TRUCK MIXER FACILITY

F75 , 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

TRUCK MIXER FACILITY

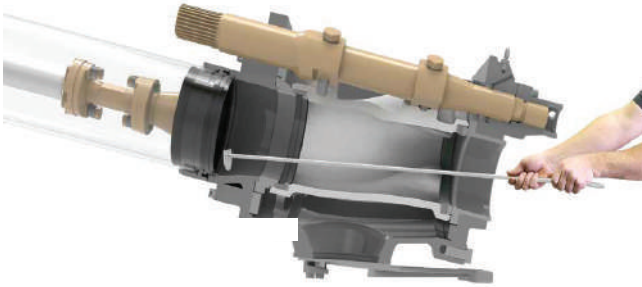
D6 , SIPCOT INDUSTRIAL ESTATE, IRUNGATTUKOTTAI,
SRIPERUMBUDUR, KANCHIPURAM DISTRICT - 602117,
TAMIL NADU, INDIA.

BATCHING PLANT FACILITY

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

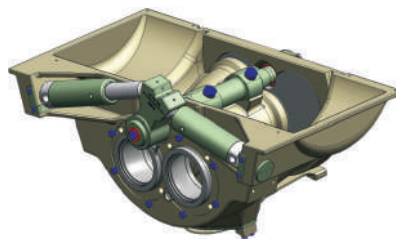
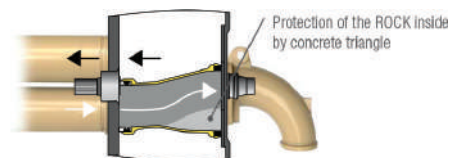
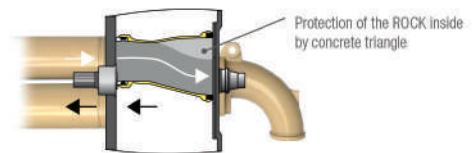
ROCK VALVE

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 significantly 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



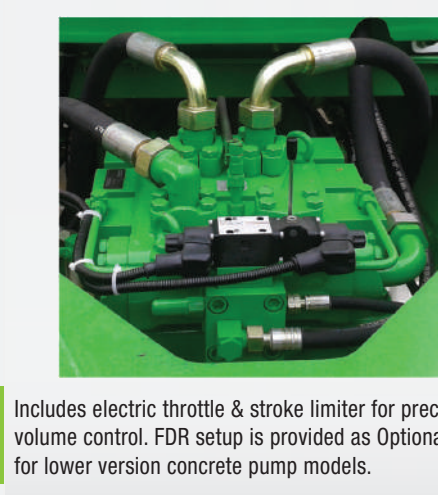
Using the powerful Pump Kit combo with Rod-side connection the high delivery rate will be achieved.

PUMPING CYLINDER & SPLIT RAM



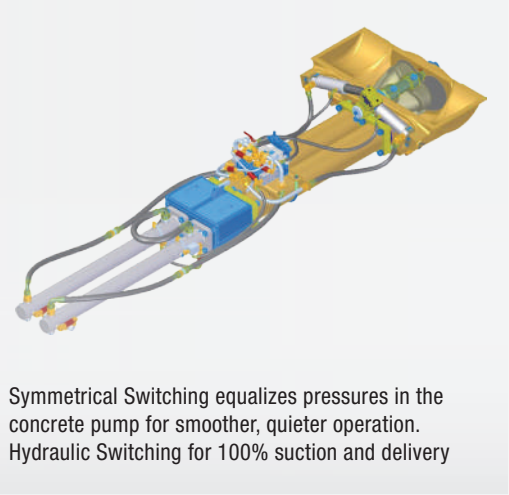
- Pumping Cylinder Wearability is increased through specialized material which gives longer life
- Split Ram provides easy serviceability , Which reduces service time

SCHWING CONTROL TECHNOLOGY



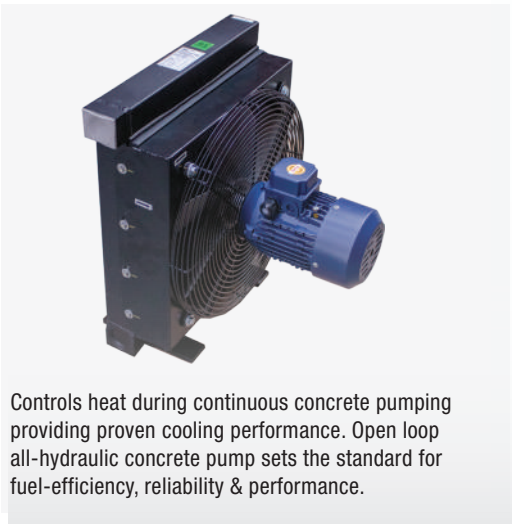
Includes electric throttle & stroke limiter for precise volume control. FDR setup is provided as Optional for lower version concrete pump models.

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		SP1015		Designation		SP1200 D	
Weight	kg	3300		Weight	kg	3820	
Performance		Piston Sided	Rod Sided	Performance		Piston Sided	Rod Sided
Pump kit		P1020		Pump kit		P1218	
Delivery cylinders (DN x stroke)	mm	200 x1000		Delivery cylinders (DN x stroke)	mm	180 x 1200	
Concrete output max.	m³/h	37	N/A	Concrete output max.	m³/h	N/A	49
Pressure on concrete max.	bar	85	N/A	Pressure on concrete max.	bar	N/A	64
Stroke rate max.	1/min.	20	N/A	Stroke rate max.	1/min.	N/A	27
Concrete valve		RL ROCK		Concrete valve		RL ROCK	
Hydraulic System				Hydraulic System			
Design		Open System		Design		Open System	
Hydraulic tank	Lts.	180		Hydraulic tank	Lts.	210	
Motor				Motor			
Engine type	Diesel	Kirloskar HA394		Engine type	Diesel	Kirloskar HA494	
Engine power	kW	35		Engine power	kW	48.6	
Nominal speed	1/min.	2300		Nominal speed	1/min.	2100	
Fuel tank	Lts.	60		Fuel tank	Lts.	65	



Designation		SP1407		Designation		SP1420	
Weight	kg	3400		Weight	kg	3600	
Performance		Piston Sided	Rod Sided	Performance		Piston Sided	Rod Sided
Pump kit		P1020		Pump kit		P1420	
Delivery cylinders (DN x stroke)	mm	200 x1000		Delivery cylinders (DN x stroke)	mm	200 x 1400	
Concrete output max.	m³/h	38	57	Concrete output max.	m³/h	39	59
Pressure on concrete max.	bar	85	54	Pressure on concrete max.	bar	85	54
Stroke rate max.	1/min.	20	30	Stroke rate max.	1/min.	15	22
Concrete valve		RL ROCK		Concrete valve		RL ROCK	
Hydraulic System				Hydraulic System			
Design		Open System		Design		Open System	
Hydraulic tank	Lts.	180		Hydraulic tank		180	
Motor				Motor			
Engine type	Diesel	Kirloskar HA494		Engine type		Kirloskar HA494	
Engine power	kW	48.6		Engine power	Diesel	48.6	
Nominal speed	1/min.	2300		Nominal speed	kW	2300	
Fuel tank	Lts.	60		Fuel tank	1/min.	60	

* Towing chassis & axle designed for 25kmph

DATA SHEET



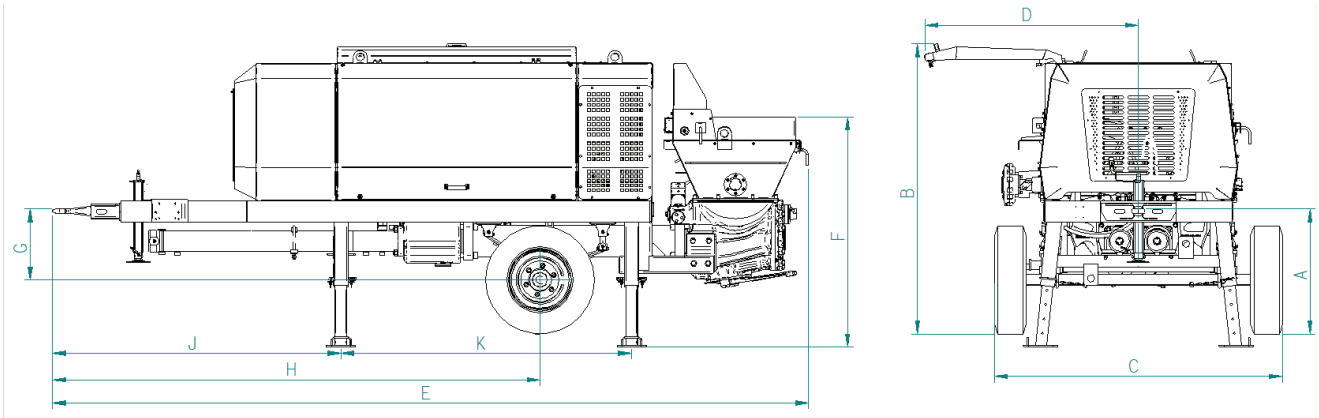
Designation			SP1400 D			Designation			SP1807		
Weight	kg		3900			Weight	kg		4600		
Performance			Piston Sided		Rod Sided	Performance			Piston Sided		Rod Sided
Pump kit			P1418			Pump kit			P1420		
Delivery cylinders (DN x stroke)	mm		180x1400			Delivery cylinders (DN x stroke)	mm		200 x 1400		
Concrete output max.	m³/h		34		51	Concrete output max.	m³/h		41		72
Pressure on concrete max.	bar		102		65	Pressure on concrete max.	bar		112		62
Stroke rate max.	1/min.		16		24	Stroke rate max.	1/min.		16		27
Concrete valve			RL ROCK			Concrete valve			RL ROCK		
Hydraulic System						Hydraulic System					
Design			Open System			Design			Open System		
Hydraulic tank	Lts.		210			Hydraulic tank	Lts.		210		
Motor						Motor					
Engine type	Diesel		Kirloskar HA494			Engine type	Diesel		Kirloskar HA694		
Engine power	kW		48.6			Engine power	kW		75		
Nominal speed	1/min.		2100			Nominal speed	1/min.		2100		
Fuel tank	Lts.		60			Fuel tank	Lts.		65		



Designation			SP1807 RMC		
Weight	kg		4600		
Performance			Piston Sided		Rod Sided
Pump kit			P1418		
Delivery cylinders (DN x stroke)	mm		180 x1400		
Concrete output max.	m³/h		44		66
Pressure on concrete max.	bar		105		67
Stroke rate max.	1/min.		20		31
Concrete valve			RL ROCK		
Hydraulic System					
Design			Open System		
Hydraulic tank	Lts.		210		
Motor					
Engine type	Diesel		Kirloskar HA694		
Engine power	kW		75		
Nominal speed	1/min.		2100		
Fuel tank	Lts.		65		

* Towing chassis & axle designed for 25kmph

TECHNICAL DRAWINGS



DIMENSIONS

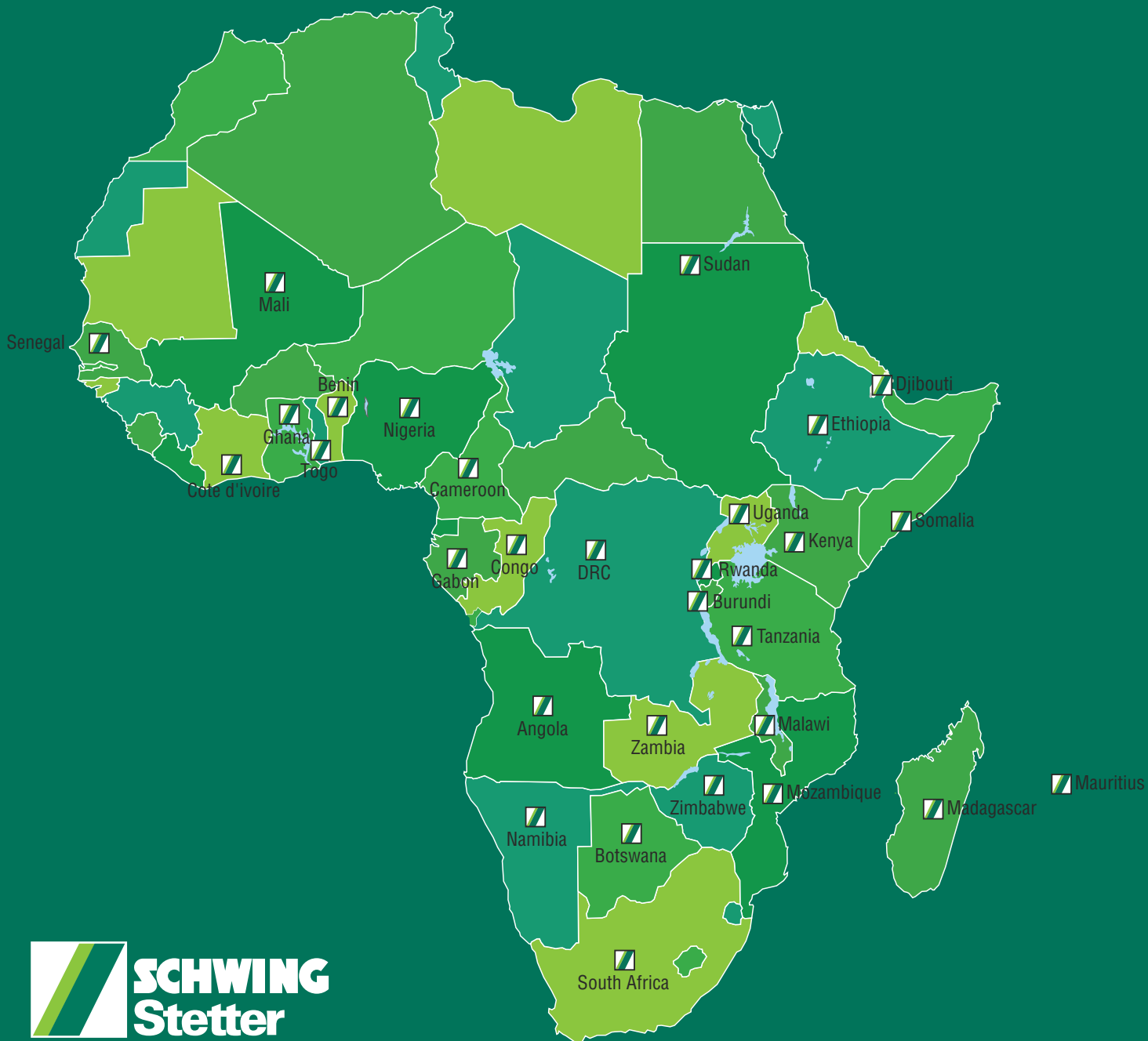
MODEL	~A	~B	~C	~D	~E	~F	~G	~H	~J	~K
SP1015	878	2098	1965	1480	4507	1590	503	2745	1730	1550
SP1407	867	2098	1995	1480	4507	1594	492	2670	1730	1550
SP1420	867	2098	1965	1480	4507	1590	492	3382	1996	2013
SP1200	867	2099	1960	1480	4935	1590	492	3145	1767	2013
SP1400	867	2098	1995	1480	5237	1594	492	3377	1996	2013
SP1807RMC	867	2096	1965	1480	5235	1594	492	3376	1996	2013
SP1807	867	2098	1995	1480	5235	1594	492	3376	1996	2013

Note : All dimensions are in mm

SITE IMAGES



SCHWING - STETTER ALWAYS CLOSE TO THE CUSTOMER.



An ISO 9001 : 2015 Company

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