

Truck Mounted Concrete Pumps

S 17 / S 20



Urban Class S 17



In the series of truck mounted concrete pumps SCHWING S17 placing boom mounted on two axle truck provides flexibility as a line pump and maneuverability as a boom pump ideal for inner city pumping. It can be used as a versatile line pump by simply attaching a hard pipe at the outlet or use it for vertical pouring upto G + 3 floors.

Thanks to it's lightweight superstructure and modular design it is possible to mount on a 16 Ton truck that fulfills most of our customer's needs. The compact size of this boom truck makes it usable under bridges, on barges, inside excavation and dam sites. It is the ultimate 'Urban Machine' which can be used to pump many residential jobs with minimum set up time.



Rock Valve system

Rock Valve

Rock valve is 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.

Concrete Delivery

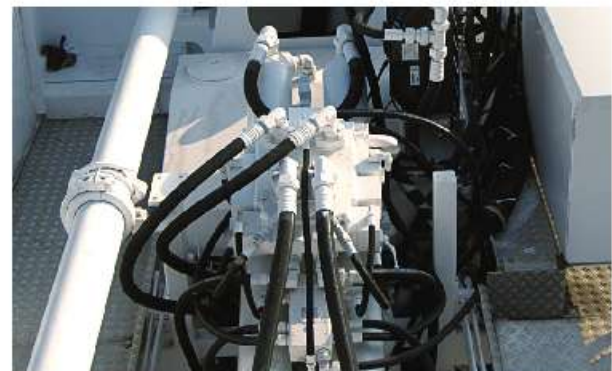
The delivery system has options of Flat gate valve / Rock valve system. Flat gate valve is known for its success with tough concrete and Rock valve is known for its pumping characteristics, low wear behavior, rebuilding qualities and safety.



Gate Valve system

Flat Gate Valve

The two flat gate valves working independently have been especially developed for pumping concrete. Their working system with automatic adjustment permits trouble -free pumping even with badly worn parts.



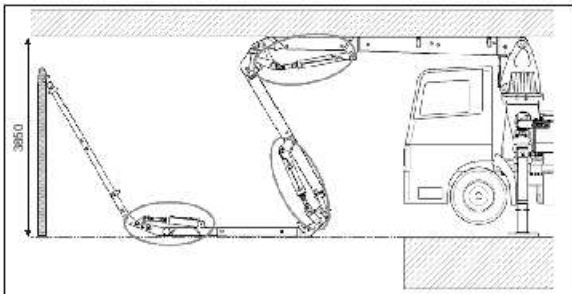
Control Block

Urban Class S 20



A revolution in the urban class of machines, the SCHWING S20 has a 20m boom with a combined - RZ fold. The advantage of this design of the boom is that the unfolding height is only 3.85 meters. So this can be utilised extremely cramped spaces like tunnels, low-roofed areas, etc.

The pump can be mounted on 2 axle chassis of all leading manufacturers. It's outriggers enable it to be placed and operated in the most cramped locations. The high capacity oil cooler and optional 800 Ltr water tank increase its operating time and the higher capacity splitter gearbox enables mounting of bigger hydraulic pumps. This leads to higher power outputs with lower heat generation and hence, lower wear and tear.



The S 20 unfolding in a tunnel



The combined RZ fold

TECHNICAL DATA

Placing Boom

Description	Units	S17	S20
Pumping-line diameter	mm	DN 125/100	DN 125/100
Reaching height	m	16.54	19.5
Horizontal reach	m	13.21	15.8
Lifting angle	deg	103	100
1st folding angle	deg	180	185
2nd folding angle	deg	270	270
3rd folding angle	deg	-	270
Number of articulations	-	3	4
Slewing range	deg	540°	540°

Concrete Pump

Description	Units	P1418	P1620
Max pumping output	m ³ /h	66/44	90/61
Max no of strokes	min-1	31/20	30/20
Max concrete pressure	bar	85	85

* Note : Optional P1620 and P2023 pumpkits are available.

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