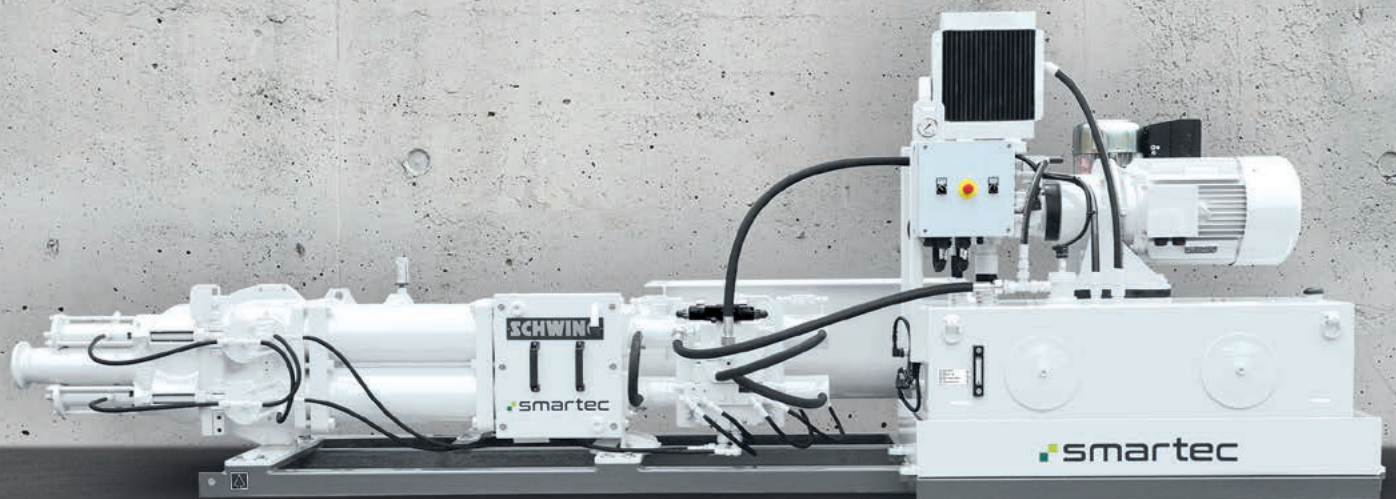


smartec
Sludge pump system



smartec



Output	max. 12 m ³ /h
Output pressure	40 bar (non-stop operation)
Design pressure	max. 120 bar
Dry solids content	max. 45 %



RECORD BREAKING ENGINEERING

The smartec sludge pump system from SCHWING

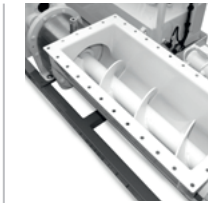
The reliable alternative

smartec Sludge pump system

If dewatered sewage sludges, organic waste or industrial and kitchen waste should be pumped economically and reliably, the smartec sludge pumps from SCHWING are the right choice. They offer high performance, exceptional reliability and an attractive price-performance ratio. Remarkably low are the maintenance costs: because in comparison to other types of pumps the sludge pumps from SCHWING have an extremely low wear and a long service life. The smartec from SCHWING: the alternative for more reliability and efficiency.

Screw feeder

Depending on the material consistency a single-screw or twin-screw feeder with efficient electric drive (IE3) or upon request with hydraulic drive can be set ahead of the sludge pump. The entry opening can be adapted to customer requirements to the existing interface (f. e. centrifuge discharge).



Optimum adaptability

Whether additional screw feeder, continuous / discontinuous output, lateral material feeding with limited room height or installation of the pump system on a common base frame. The variation possibilities of the intelligent smartec modular system are virtually unlimited and ensure the optimal integration of the pump unit into existing structures.



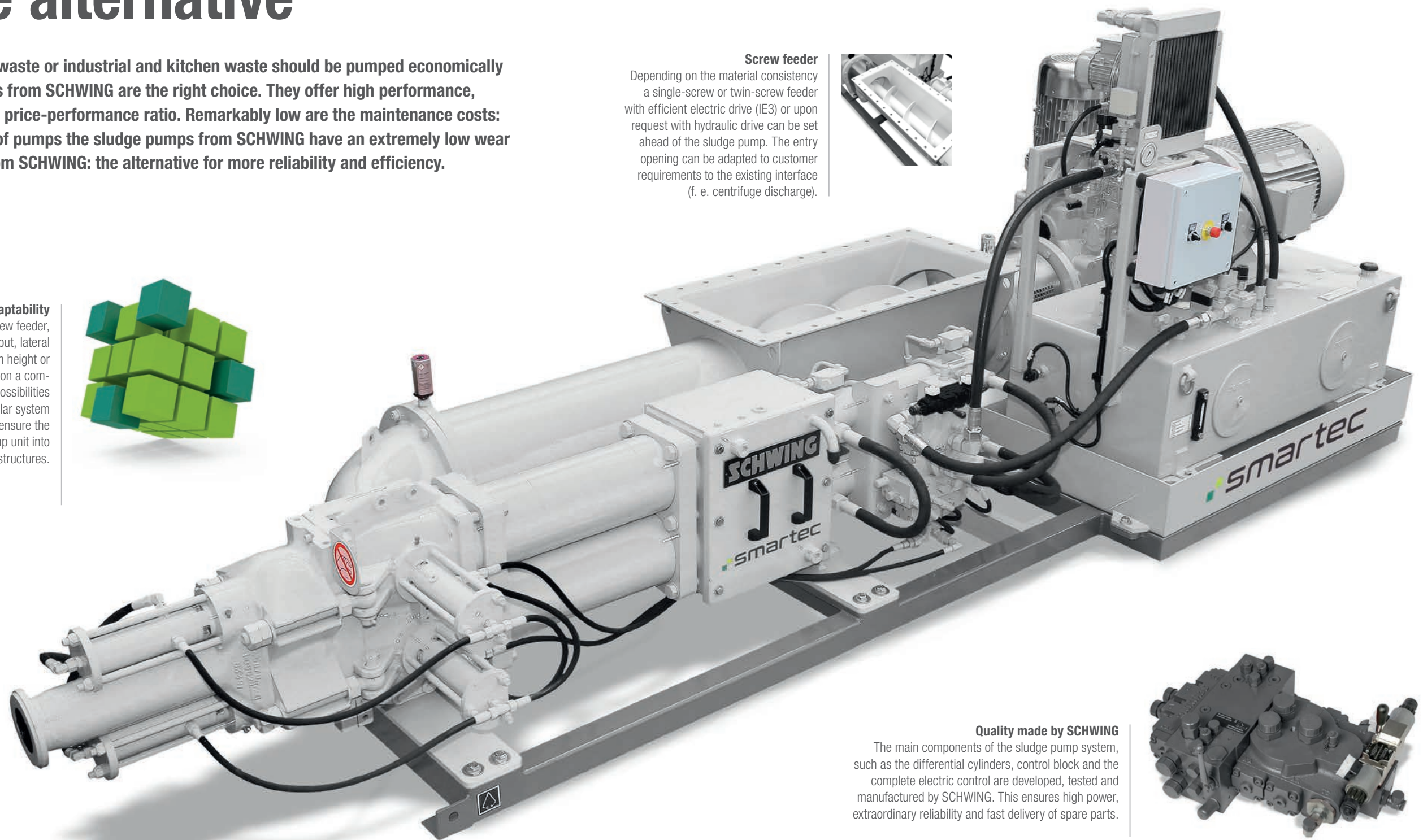
24/7

Maximum reliability

SCHWING sludge pumps prove their reliability all over the world on a daily basis in different industrial sectors. Operating periods of over 20 years and annual performances of approx. 8,000 hours without major repairs are not unusual. Excellent reliability provides a high level of operational safety.

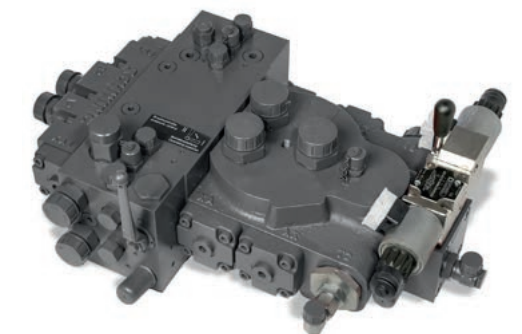
Quick: supply and start-up

The pump system configured according to customer requirements will be assembled at the factory of SCHWING on request on a base frame and connected hydraulically and electrically. Thus, ready for connection delivered system can be put into operation on site without great expenditure of time.



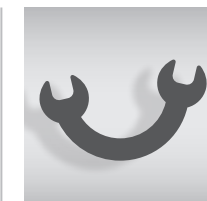
Quality made by SCHWING

The main components of the sludge pump system, such as the differential cylinders, control block and the complete electric control are developed, tested and manufactured by SCHWING. This ensures high power, extraordinary reliability and fast delivery of spare parts.



Easy to maintain

The long life and high reliability of the smartec sludge pumps reduce maintenance to a minimum. Its low-maintenance design ensures short service times and a quick resumption of the pumping operation.



Robust efficiency

The smartec sludge pumps convey easily high-viscosity sludges - also with high solids content. Low stroke rates even at high outputs minimize wear and ensure extremely low maintenance costs.





Technical data

Performance

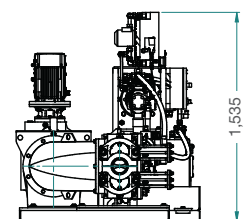
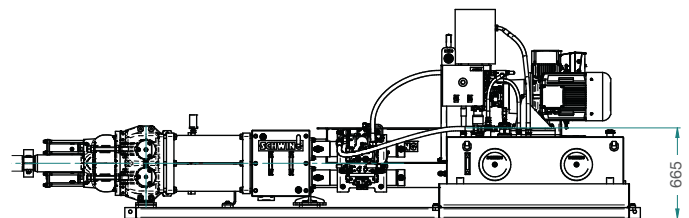
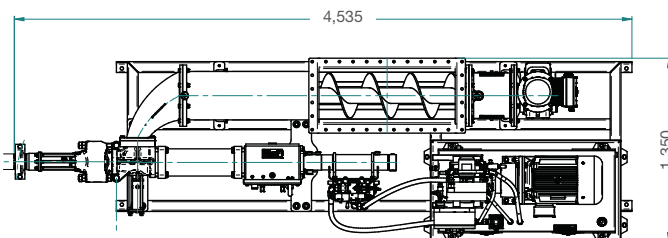
Output	m ³ /hr	1.0 - 12.0
Output pressure	bar	40 (non-stop operation)
Design pressure max.	bar	120
Strokes max.	1/min.	1.5 - 17.5
Driving power	kW	30

Pump kit

Delivery cylinders Ø	mm	180
Stroke length	mm	500
Delivery cylinder volume	dm ³ /l	12.72
Differential cylinders Ø	mm	50/90
Valve system		poppet valves
Suction valve opening	mm	2 x 125 (Ø)
Pressure valve opening	mm	2 x 100 (Ø)
Pressure outlet	DN	100
Grain size max.	mm	20

Dimensions (Sludge pump, single screw feeder and power pack mounted on base frame)

Length	mm	4,535
Width	mm	1,350
Height	mm	1,535
Machine weight	kg / lb	2,750 / 6,065



SCHWING sludge pumps. The benchmark for reliability.



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