

ABRA SOM



Submersible Centrifugal Pump

Use

- ABRA pumps SOM model (submersed execution) are expressly designed for pumping liquids containing suspended abrasive solids, such as thickened sludge, slip and glaze, water containing sludge and fine sand
- Due to the particular construction characteristics of the materials used, these pumps are very reliable, extremely wear-resistant and easy to maintain
- Vertical pumps in various sizes (30, 40, 50, 60, 80, 100, 150) are particularly suited for working in deep wells and pits

Main Characteristics

- Submerged watertight motor, F protection class, continuous service, 10m power cables and probes
- Safety motor over-temperature probe
- Retaining device with double mechanical seal in tungsten carbide or silicon with oil bath
- Safety probe to detect water leakage into the sealed chamber and inside the motor
- Cast iron pump housings with internal, high-thickness, anti-abrasive rubber coating (removable type)
- Impeller with steel core entirely coated in high-thickness, anti-abrasive rubber (open type)

Main Applications

- Water purification plants
- Natural and engineered stone slurry
- Glaze and slip slurry
- Cement water slurry
- Industrial water recycling
- Cleaning and flushing

Physical/Operating Characteristics

Model	Flow		*Delivery head		Power
	gallon/min	liter/min	psi	m H2O	kW
3	26 - 106	100 - 400	4.3 - 11.4	3 - 8	2.2 - 4
4	79 - 251	300 - 950	7.1 - 17.1	5 - 12	3 - 5.5
5	132 - 370	500 - 1,400	11.4 - 28.5	8 - 20	5.5 - 7.5
6	264 - 476	1,000 - 1,800	19.9 - 34.1	14 - 24	11 - 18.5
10	449 - 1,321	1,700 - 5,000	25.6 - 28.5	18 - 20	18.5 - 37
15	449 - 1,849	5,000 - 7,000	25.6 - 37	18 - 26	37 - 45

*Available at higher pressure for filter press feeding