

ABS Scaba Agitator

Scaba agitators are of a robust, modular design and can be combined with various types of drive units, seals and impellers. The special propeller makes the required process perform at the lowest possible power input. Treatment of highly polluted water or other biodegradable masses with high organic pollutants increases biogas and energy production using ABS Scaba agitators within anaerobic digesters.

Propeller diameter:	125 - 8,000 mm
Shaft diameter:	20 - 260 mm
Motor range:	0.12 - 200 kW
Mixing flow:	customized



ABS Submersible Mixer XRW 400 and 650



The ABS submersible mixer XRW with a permanent-magnet motor is another world first in the ABS EffeX revolution. Using IE3 equivalent permanent-magnet motors together with optimized and proven propeller designs enables the ABS submersible mixer XRW to achieve the lowest energy consumption possible for medium-speed mixing.

Users gain a total efficiency improvement of up to 35% compared with other existing medium-speed mixer designs.

Propeller diameter:	650 mm
Motor range:	5.5 - 10.0 kW
Mixing flow max:	0.83 m ³ /s



ABS Flow Booster SB

The ABS flow boosters SB are slow running submersible units with integral motors for gentle circulation and mixing of fluids in treatment plants and industrial applications. The flow booster is complete with monocast propeller blades and excellent self-cleaning properties, giving optimum operation with low energy input. The unit can be raised and lowered for inspection even in filled tanks.

Propeller diameter:	900 - 2,500 mm
Motor range:	1.4 - 4.6 kW
Mixing flow max:	4.3 m ³ /s



ABS Flow Booster XSB



This slow running mixer is yet another world first in the ABS EffeX revolution. Although the ABS flow booster XSB is the biggest of its type on the market for wastewater treatment, it cuts energy consumption by a remarkable 25%! It achieves this through a premium-efficiency motor, a highly efficient gearbox and a unique innovative design

that boosts mixer efficiency as proven by long and exhaustive testing.

Propeller diameter:	2,200 mm, 2,500 mm and 2,750 mm
Motor range:	5.5 - 7.5 kW
Mixing flow max:	6.2 m ³ /s



ABS Submersible Mixer SB 1200 KA

The ABS submersible mixer SB 1200 KA combines all the specific requirements of those treatment processes where the biofilm is bound on the surface of plastic carriers. The low tip speed in combination with a specially designed propeller, prevent any negative effects on the carrier material during the mixing. The energy cost is reduced thanks to a unique drive unit.

Propeller diameter:	900 - 1,080 mm
Motor range:	3.0 - 4.6 kW
Mixing flow max:	0.82 m ³ /s

