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WASTE WATER TREATMENT

SUBMERSIBLE MOTOR MIXER MSXH

OPTIMAL SOLUTION FOR HOMOGENIZING LIQUIDS



SUBMERSIBLE MOTOR MIXER MSXH

Optimum homogenization of liquids in agriculture, biogas plants, waste water treatment plants and in the industry.

Three phase submersible motor

For optimal protection a thermic winding protection is installed in the motor. The thermic winding protection (PTC-resistor) has a phase protection device and is over voltage and low voltage proof as well as capacity overload proof. Medium temperature MSX up to 40 °C / MSXH up to 65 °C.

Strong planetary reduction gear unit that guarantees high efficiency

High stability due to various hardened and polished interlocking gears. These gears reduce the friction, which results in less power consumption and high efficiency.

Elegant design – high quality material

A special design concept, achieved by aligning the motor and propeller on the same axle level, guarantees high efficiency. The resulting elegant and streamlined motor design has an additional effect on the efficiency. The heavy-duty propeller shaft is equipped with shoulder roller bearings. A cleverly devised oil guiding system guarantees that the mixers are well lubricated in every position. An oil leak detection probe is included in the models MSXH.

Special shaft seal

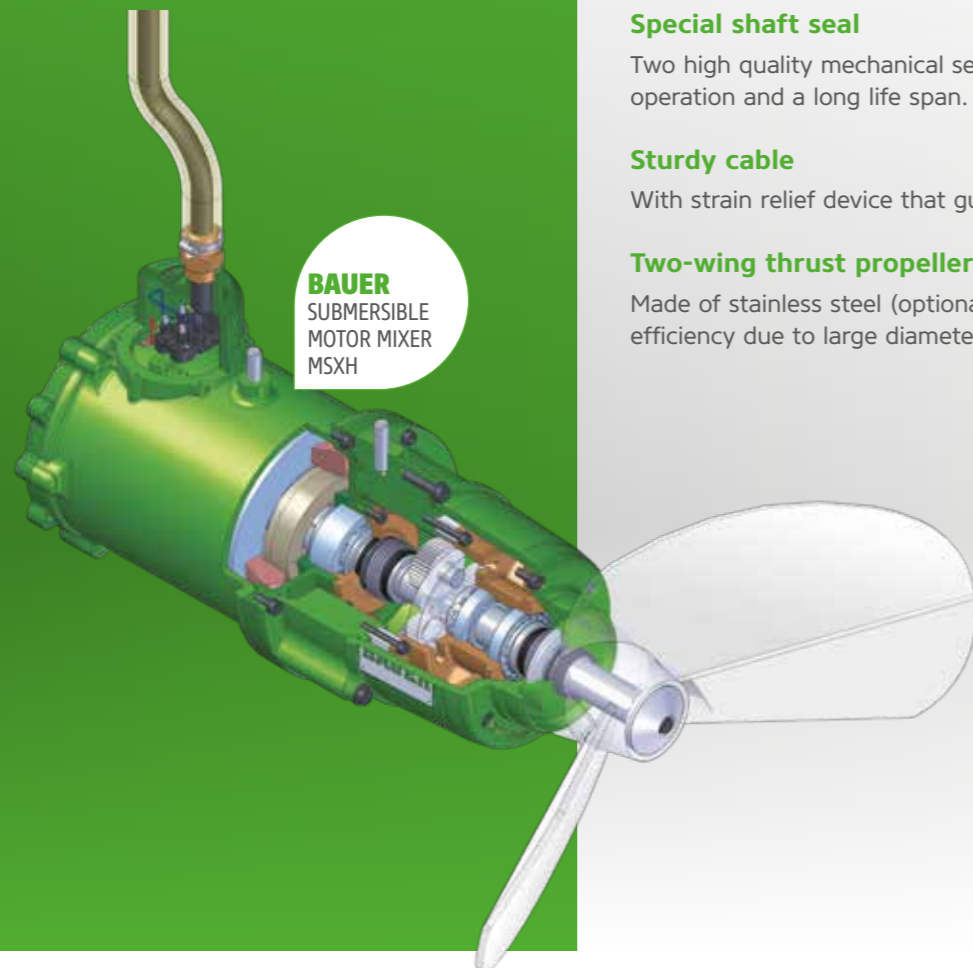
Two high quality mechanical seals guarantee trouble-free operation and a long life span.

Sturdy cable

With strain relief device that guarantees operating safety.

Two-wing thrust propeller

Made of stainless steel (optional hardox), self cleaning; high efficiency due to large diameter and special thrust edge.



BAUER
SUBMERSIBLE
MOTOR MIXER
MSXH

MSX submersible mixers for pits and slalom systems

Lifting-and lowering device for open an closed tanks

- easy installation, handling and maintenance
- stable square guiding pipe 100/100 with swivelling bearing
- spur wheel rope, 900 kg traction force, stainless cable, self locking
- All parts that get in touch with the medium are in stainless steel



Slalom system

- homogenisation of the slurry in an endless channel via timing device
- well mixed slurry all the time
- distribution possible every time

Guiding bracket with an adjustable angle of inclination

guarantees an even better mixing result and a faster dissolving of floating material and bottom sediments.

Application in deep slurry pits

Optional: Height adjustable mixing channel with back up canvas plane for optimum mixing results.

Submersible motor mixer MSXH in biogas plants

Lifting and lowering device for fermenter with gas tight ceiling lead-through

- Gas tight interface for all external parts
- Easy to handle / adjustment of the mixer
- Swivelling and height adjustable from the outside
- Optimum mixing of the fermenting substrates

Gas tight interface in tank wall

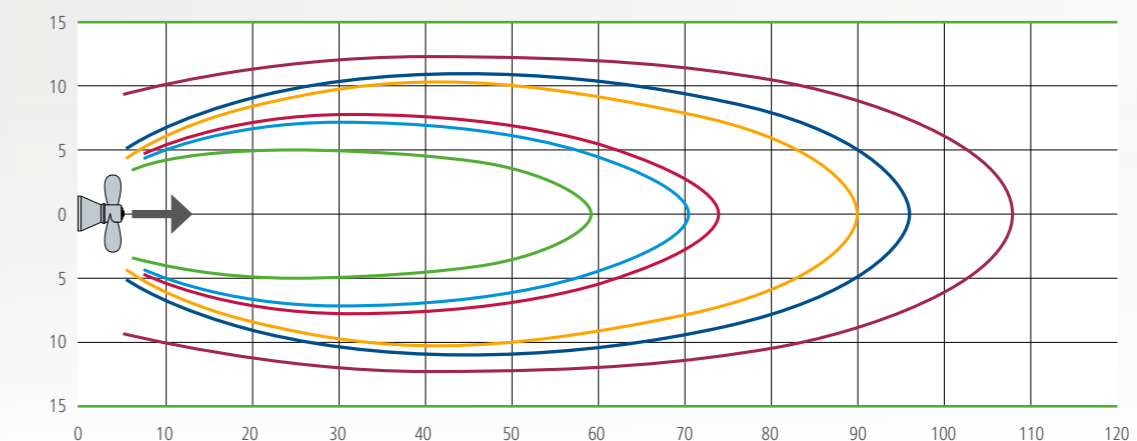
with control elements on the outside.

Technical data

MSX MSXH **	MSXH 5.5	MSXH 7.5	MSX 8.6 MSXH 8.6	MSXH 11	MSXH 11 ECO	MSX 12.6 MSXH 12.6	MSXH 15
Output kW	5,5	7,5	8,6	11	11	12,6	15
Voltage V	400	400	240 / 480	400	400	240 / 480	400
Frequency Hz	50	50	60	50	50	60	50
Mixing power* m ³ /h	2.800	3.600	3.900	5.200	5.700	5.700	6.800
Pit volume* m ³	900	1.400	1.500	2.200	2.400	2.400	2.800
Propeller mm	550	600	550	665	845	600	750
Propeller min ⁻¹	315	315	378	315	208	378	315
Weight kg	175	195	195	205	205	205	225

* depending on the medium ** MSXH with temperature class H (maximum temperature 65° Celsius) and leak detection probe

Flow range



Flow range in m with 0.1 m/s (values apply to water)

PRODUCTS FROM OUR SLURRY PROGRAM


MTXH
Tractor mixer



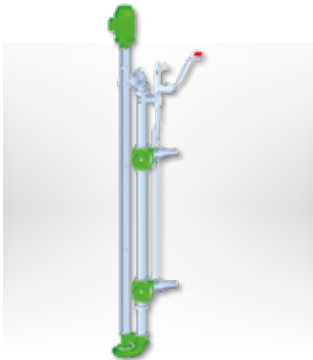
MSXH
Submersible motor mixer



SEPARATOR
Press screw separator for solid-liquid separation



SEPARATOR PLUG & PLAY
System for portable slurry separation



MAGNUM LEE/LEC
Long shaft pump



MAGNUM SM
Thick matter pump gear unit design



MAGNUM CSPH
Submersible motor pump gear unit design



HELIX DRIVE
Eccentric screw pump



MAGNUM SX
Thick matter pump gear and pedestal pump



Slurry tankers and polytanker
Different tanker types for every requirement



Trailing hose applicator
Modular system for all types of tankers



Slurry injector
Innovative spreading technology

Your dealer