EGGER

Wastewater Pumps
EOA / EOSA

The ideal pump for the economical transport of wastewater and fluids with high solids, fibrous and gas content.

EOA Hydraulics

Semi-open 2-channel impeller for untreated wastewater with fibres

EOSA Hydraulics

Semi-open multi-channel impeller with max. free passages for pumping sludges with high gas and fibre content

Advantages

Low energy costs
Pumping raw sewage and liquids with a high content of fibres with a high hydraulic efficiency.

Self-cleaning impeller profile
EOA / EOSA waste water pumps are optimised for fluids with high levels of solids and fibres. The EOA series for untreated wastewater with a free passage of at least 100 mm enables non-clogging operation.

Constant delivery rate
The wear plate that can be adjusted from the outside on the suction side, guarantees a constant delivery rate, especially for highly abrasive products.

Long service life
The symmetrical design of the EOA series impeller allows it to resist imbalances caused by fibrous materials and thus guarantees a long service life of the bearings and sealing system.

High suction capability
The Wastewater Pump series features, due its special impeller blade geometry, low NPSHR values and thus has a high suction capacity.

High gas content
Fluids with high gas content can be pumped without stalling. This is particularly important for return sludge, digested sludge or digester circulations.

Modular system
The Egger-modular system enables reduced storage due to reusable mechanical and hydraulic modules in the pump configuration.

Applications

Applications	EOA	EOSA
Untreated wastewater (raw sewage)	x	-
Intermediate pumping stations	x	x
Secondary sludge	x	x
Activated sludge, recirculated sludge	x	x
Stabilised digested sludge	x	x
Highly fibrous sludge	x	x
Industrial wastewater	x	x

Facts & Figures

Nominal dimensions:	DN 80 – 400 mm
	3 – 16"
Flowrate:	up to 1100 l / s
	15850 US gpm
Differential head:	up to 140 m
	460 ft
Pressure:	up to 16 bar
	323 psi
Temperature:	120 °C
	250 °F

Special features

· Self-cleaning impeller and casing profile for wastewater pumping without clogging.
· 2-channel EOA series for the discharge of large quantities of untreated wastewater from 120 l/s.
· EOSA series with 3 impellers optimised for all types of sludges.
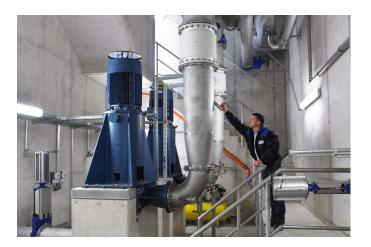
Application areas

Due to its self-cleaning impeller and housing profile, the EOA / EOSA series is particularly suitable for the economical transport of sewage sludge containing solids, fibrous fragments and gases. The same applies for industrial wastewater or untreated water with a high solids content, which can be pumped safely thanks to the appropriate choice of pump materials of construction.

Wastewater pumping station / rainwater pumps

Thanks to its vertical design, space-saving aspect and ease of maintenance, the 2-channel EOA pump allows large volumes of untreated sewage or rainwater to be pumped advantageously.

Pumps for recirculated sludge

In the biological section, settled activated sludge must be pumped continuously from the settling tank as recirculated sludge. It is for this reason, owing to the well construction, that the EOSA series is perfectly suited for the discharge of recirculated sludge and similar. Its cantilever design, therefore, makes it an excellent choice for pumping within dry pit installations.

Intermediate hoist

The hydraulic circuit of the EOSA pumps is resistant to fibrous materials. Due to its high hydraulic efficiency, reliable and economical operation of the pumping stations is ensured.

Digestion tank circulation

Digesting sludge that contains gas, such as that found in digestion tank feeding, is often a challenge for plant operators. EOSA pumps are perfectly optimised to discharge high levels of gas without malfunctioning.

Headquarter
Emile Egger & Cie SA
Route de Neuchâtel 36
2088 Cressier NE (Switzerland)
Phone +41 (0)32 758 71 11
info@eggerpumps.com

Offices and representatives countries

Belgium	India	USA
China	Italy	
Germany	Austria	
France	Sweden	
Great Britain	Spain	

Further Information can be found on:
www.eggerpumps.com

EGGER