Series XL

Technical Specification

EN

MicroGas™

Microbubble Generator

MicroGas™ is a device to produce gas microbubbles for flotation and gas transfer applications. MicroGas™ must be installed in a tank (flotation, column, reactor or similar) in order to be operated.

MicroGas™ units of the XL series are completely submersible devices installed following a drop-in configuration.

aKVOLa TECHNOLOGIES

MicroGas™ Series XL	MicroGas™ 30XL
Number of Ceramic Discs	30
Disc Diameter (cm)	31
Performance – Flotation Applications – *indicative only*	
Typical Treatable Flow per Unit (m^3/h)	30 – 50
Operating Parameters	
Temperature (°C)	5 – 60
pH	2 – 13
TDS (mg/L)	< 5000 (*)
Gas Specifications	
Gases	Air, Nitrogen, CO_2, Ozone*, Oxygen*, Methane* and Hydrogen*
Nominal Gas Flow Rate (Nl/min)	12 – 75
Operating Pressure (bar)	0,3 – 2
Maximum Pressure (bar)	2,8
Gas Quality	ISO 8573 – 1 : 2010 (4:4:3) or equivalent

* Alternative materials for special applications (liquid medium or gas) available upon request

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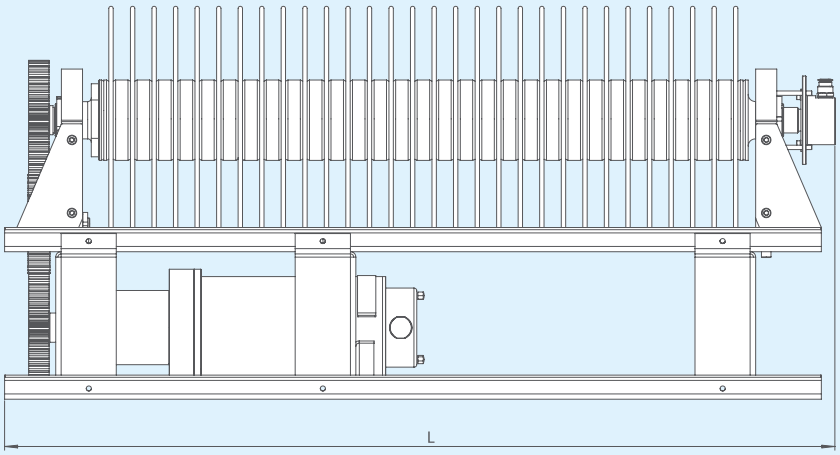

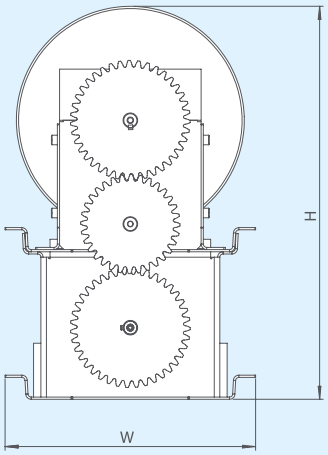

MicroGas™ Series XL	MicroGas™ 30XL
Dimensions and Weight	
WxLxH (mm)	400 x 1200 x 650
Weight (kg)	80
Connections	
Gas Inlet	12 mm PU tube
Motor Installed Power (kW/V)	1,1/400 (AC)
Motor Power Consumption (kW)	0,5

Standard Materials **	
Discs	Alumina oxide (ceramic)
Sealings (Discs and Plate)	Nitrile Butadiene Rubber (NBR)
Spacers	POM
Frame	Stainless steel 1.4404 / 1.4571
Shaft	Stainless steel 1.4404 / 1.4571
Air Connector	Stainless steel 1.4404 / 1.4571 / PTFE
Screws	Stainless steel 1.4404 / 1.4571
Ball Bearings	Ceramic
Drive	POM
Motor	Stainless steel 1.4404

** Alternative materials for special applications available upon request