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blendergalf: high-concentration nanobubble unit | acniti

The blenderGaLF delivers the same high-concentration ultrafine bubble performance as the GaLF series, with one key difference - your control system runs the process. No PLC, no factory settings. Built from SUS304 or SUS316 stainless steel, compatible with ozone, hydrogen, and all process gases. Available in 17, 100, and 200 LPM.

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blendergalf - full control nanobubble generation with galf technology

- Highest ultrafine bubble concentration in the industry
- Full process control - no PLC, no factory limits
- Compatible with ozone, hydrogen, oxygen, nitrogen, and CO2
- Excellent for producing ozone ultrafine bubbles
- SUS304 or SUS316 stainless steel construction
- Three sizes: 17, 100, and 200 LPM

The blenderGaLF is the core GaLF nanobubble technology in its most flexible form. It delivers the same high-concentration ultrafine bubble performance as the GaLF series, but without a pump or PLC - so your control system runs the process, not ours.

That matters for researchers who need precise control over every process variable, and for engineers integrating nanobubble generation into existing systems with their own control logic. The blenderGaLF does not impose factory settings or operating limits. You define the operating parameters.

The unit is built from SUS304 or SUS316 stainless steel and handles all gases, including corrosive ozone and hydrogen. It ships as a mixing box, venturi, and nozzle. Pump, sensors, valves, and piping are specified and installed by you.

Available in three sizes: 17, 100, and 200 liters per minute.

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blendergalf 017 sus 304: nanobubble generator specs | acniti

	General		
1	Model name	blenderGaLF - Full Control Nanobubble Generation with GaLF Technology	
2	Model number	UFB_FZ9A-017P_s304	
	Liquid	**Metric**	**Imperial**
3	Flow / minute	17 Liter	4.5 Gallon
4	Flow / hour	1.0 M3	36.0 CF
5	water temperature minimum	0 °C	32 °F
6	water temperature maximum	50 °C	122 °F
7	Strainer availability and size	No 400 µm required	
	Ambient	**Metric**	**Imperial**
8	Ambient temperature minimum	0 °C	32 °F
9	Ambient temperature maximum	50 °C	122 °F
10	Relative humidity minimum	0 %	
11	Relative humidity maximum	90 %	
	Gas	**Metric**	**Imperial**
12	Flow / minute	0.6 Liter	0.2 Gallon
13	Flow / minute	0.9 Liter	0.2 Gallon
14	Flow / hour	36 Liter	9.5 Gallon
15	Flow / hour	51 Liter	13 Gallon
16	Pressure minimum 50 Hz	300 kPa	44 PSI

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	Gas	Metric	Imperial
17	Pressure maximum 50 Hz	700 kPa	102 PSI
18	Pressure minimum 60 Hz	300 kPa	44 PSI
19	Pressure maximum 60 Hz	700 kPa	102 PSI
20	Gas quality	Ozone, Oxygen, Carbon Dioxide, Nitrogen or Ambient Air	
21	Gas remark	O3 ~ 100 kPa 0.85 lpm concentration: 2.5 - 5.0 mg/l	
	Electrical	**Metric**	**Imperial**
22	Unit phase Ø voltage	For the pump 3Ø with frequency drive or single phase with frequency drive	
23	Unit power consumption	Estimated power for pump 750 W	
24	Wetted parts		
25	Pump model		
26	Pump phase Ø voltage		
27	Pump phase Ø voltage 60Hz		
28	Pump pressure setting		
29	Control	Manual operation	
	Pump		
30	@option	Grundfos CRN1-15 A-FGJ-G-V-HQQV	
	Connections		
31	Water inlet	R 1/2"	
32	Water outlet	RC1/2	
33	Gas inlet	4 mm	
	Dimensions & weight	**Metric**	**Imperial**
34	Dim. (w) x (d) x (h)	355 x 84 x 257 mm	14.0 x 3.3 x 10.1 inch
35	weight	15.1 Kg	33.3 lbs.

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	Dimensions & weight	Metric	Imperial
36	HS code	8479.82.0040	
37	Shipping dim. (w)x(d)x(h)	60 x 50 x 40 cm	24 x 20 x 16 inch
38	Shipping weight	20 Kg	44 lbs.
	Remarks		
39	Other remarks	✔ Nanobubble Exhaust outlet RC1/2 ✔ Pressure gauge and other sensors RC1/4	

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	General		
1	Model name	blenderGaLF - Full Control Nanobubble Generation with GaLF Technology	
2	Model number	UFB_FZ9A-017P-s316	
	Connections		
3	Water inlet	R 1/2"	
4	Water outlet	RC1/2	
5	Gas inlet	4 mm	
	Dimensions & weight	**Metric**	**Imperial**
6	HS code	8479.82.0040	
	Remarks		
7	Other remarks	✔ Nanobubble Exhaust outlet RC1/2 ✔ Pressure gauge and other sensors RC1/4	

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	General		
1	Model name	blenderGaLF - Full Control Nanobubble Generation with GaLF Technology	
2	Model number	UFB_FZ9A-100P_s304	
	Liquid	**Metric**	**Imperial**
3	Flow / minute	100 Liter	26 Gallon
4	Flow / hour	6.0 M3	211.9 CF
5	water temperature minimum	0 °C	32 °F
6	water temperature maximum	50 °C	122 °F
7	Strainer availability and size		
	Ambient	**Metric**	**Imperial**
8	Ambient temperature minimum	0 °C	32 °F
9	Ambient temperature maximum	50 °C	122 °F
10	Relative humidity minimum	0 %	
11	Relative humidity maximum	90 %	
	Gas	**Metric**	**Imperial**
12	Flow / minute	5.0 Liter	1.3 Gallon
13	Flow / hour	300 Liter	79 Gallon
14	Gas quality	Ozone, Oxygen, Carbon Dioxide, Nitrogen or Ambient Air	
15	Gas remark	O3 ~ 100 kPa 5 lpm concentration: 2.5 - 5.0 mg/l	

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	Pump		
16	@option	Grundfos CRN5-16 A-G-A-V-HQQV	
	Connections		
17	Water inlet	R 1"	
18	Water outlet	RC1	
19	Gas inlet	6 mm	
	Dimensions & weight	**Metric**	**Imperial**
20	HS code	8479.82.0040	
	Remarks		
21	Other remarks	✓ UFB Exhaust outlet RC1/4 ✓ Pressure gauge and other sensors RC1/4	

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	General	
1	Model name	blenderGaLF - Full Control Nanobubble Generation with GaLF Technology
2	Model number	blenderGaLF-100 SUS316
	Connections	
3	Water inlet	R 1"
4	Water outlet	RC1"
5	Gas inlet	6mm
	Remarks	
6	Other remarks	This model is the same as the SUS 304 version but has a higher metal grade SUS 316 and some parts SUS 316L

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	General		
1	Model name	blenderGaLF - Full Control Nanobubble Generation with GaLF Technology	
2	Model number	UFB_FZ9A-200P_s304	
	Liquid	**Metric**	**Imperial**
3	Flow / minute	200 Liter	53 Gallon
4	Flow / hour	12 M3	424 CF
5	water temperature minimum	0 °C	32 °F
6	water temperature maximum	50 °C	122 °F
7	Strainer availability and size		
	Ambient	**Metric**	**Imperial**
8	Ambient temperature minimum	0 °C	32 °F
9	Ambient temperature maximum	50 °C	122 °F
10	Relative humidity minimum	0 %	
11	Relative humidity maximum	90 %	
	Gas	**Metric**	**Imperial**
12	Flow / minute	10 Liter	2.6 Gallon
13	Flow / hour	600 Liter	159 Gallon
14	Gas quality	Ozone, Oxygen, Carbon Dioxide, Nitrogen or Ambient Air	
15	Gas remark	O3 ~ 100 kPa 10 lpm concentration: 2.5 - 5.0 mg/l	

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	Electrical	Metric	Imperial
16	Unit phase Ø voltage		
17	Unit power consumption		
18	Wetted parts	SUS304	
19	Pump model		
20	Pump phase Ø voltage		
21	Pump motor 60Hz	5500 Watt	7.4 hp
22	Pump head 60Hz	80 Meter	262 ft
23	Pump phase Ø voltage 60Hz		
24	Pump pressure setting		
25	Control		
	Pump Connections		
26	Water inlet	R 1"	
27	Water outlet	RC1	
28	Gas inlet	6 mm	
	Dimensions & weight	**Metric**	**Imperial**
29	Dim. (w) x (d) x (h)	750 x 168 x 569 mm	29.5 x 6.6 x 22.4 inch
30	weight	44 Kg	97.0 lbs.
31	HS code	8479.82.0040	
32	Shipping dim. (w)x(d)x(h)	65 x 110 x 70 cm	26 x 43 x 28 inch
33	Shipping weight	60 Kg	132 lbs.
	Remarks		
34	Other remarks	✔ Nanobubble Exhaust outlet RC1/4 ✔ Pressure gauge and other sensors RC1/4	

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	General	
1	Model name	blenderGaLF - Full Control Nanobubble Generation with GaLF Technology
2	Model number	blenderGaLF-200 SUS316
	Connections	
3	Water inlet	R 1"
4	Water outlet	RC1
5	Gas inlet	6 mm
	Remarks	
6	Other remarks	✔ Nanobubble Exhaust outlet RC1/4 ✔ Pressure gauge and other sensors RC1/4

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