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blendergalf

Customized GaLF solutions built into your own applications, this is a stainless steel model.
Suitable for hydrogen and gasoline.


ultrafine Galf

blendergalf

ultrafine blendergalf nanobubble generator

- GaLF "inside" your own custom solution
- Excellent for producing Ozone UltraFine Bubbles
- Flexible to build into a range of applications
- One pass ozone operation
- Maximum recommended ozone concentration 5.0 mg/liter
- Highest ultrafine bubble concentration in the industry
- Suitable for use with Hydrogen applications

The blenderGaLF is for engineering and installation companies and researchers that want to implement the GaLF technology inside their own machines or equipment. The blenderbox is all stainless steel and can be supplied either in SUS304 or SUS316. The blenderGaLF is suitable to work with all gases including corrosive ozone and hydrogen. The blenderGaLF box uses the same technology as the high concentration GaLF series but is supplied excluding the pump and plc control mechanisms. You can work with the essential parts to configure your own unit.

The blenderGaLF is available in 3 sizes from 17 - 200 liters per minute. The mixing box is built from stainless steel, the blenderGaLF is suitable for the use with corrosive gasses. The blenderGaLF package consists of a mixing box, venturi and a nozzle. All electrical, pump, digital pressure sensors, various valves and piping have to be done locally. Contact us for a paper for more information

blendergalf 017 sus 304: nanobubble generator specs | acniti

	General		
1	Model name	ultrafine blenderGaLF nanobubble generator	
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
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.
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

blendergalf 017 sus 316: nanobubble generator specs | acniti

	General	
1	Model name	ultrafine blenderGaLF nanobubble generator
2	Model number	blenderGaLF-17S6
	Connections	
3	Water inlet	R 1/2"
4	Water outlet	RC1/2
5	Gas inlet	4 mm
	Remarks	
6	Other remarks	✔ Nanobubble Exhaust outlet RC1/2 ✔ Pressure gauge and other sensors RC1/4

blendergalf 100 pressurized dissolution nanobubbles | acniti

	General		
1	Model name	ultrafine blenderGaLF nanobubble generator	
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	
	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	

blendergalf 100 316: nanobubble generator specs | acniti

	General	
1	Model name	ultrafine blenderGaLF nanobubble generator
2	Model number	blenderGaLF-100S6
	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

blendergalf 200 sus 304: nanobubble generator specs | acniti

	General		
1	Model name	ultrafine blenderGaLF nanobubble generator	
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	
	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

	Dimensions & weight	Metric	Imperial
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		ultrafine blenderGaLF nanobubble generator
2	Model number		blenderGaLF-200S6
	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