

Munters PureSound

Noise reduction system

Features

- Ideal for high powder concentration as in spray drying exhaust airflows
- High, long-lasting acoustic performance
- Clean-in-place (CIP) with washable baffles and integrated rotary spray nozzles
- Food safety thanks to hygienic design and sealed baffles
- ISO 9001/2015 design and production certified
- Robust, stainless-steel welded construction
- Ideal for frequent powder product changes



Munters PureSound is the market standard for noise reduction during the spray drying exhaust. It dramatically reduces the amount of noise emitted during spray drying.

PureSound features clean-in-place (CIP) baffles designed to save time and labor, improve hygiene, and provide long-lasting performance. Manufactured to meet strict food industry requirements. PureSound washable baffles help provide high acoustic performance.

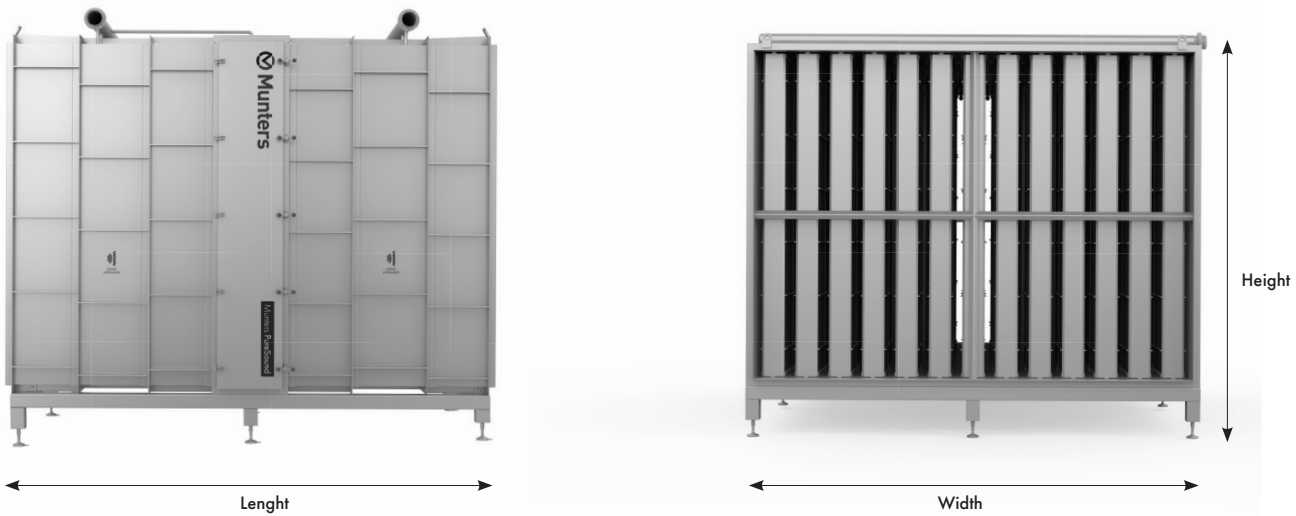
With validated sound and performance data, PureSound keeps noise emissions under control and reduces environmental impact, eliminating shutdown risk due to excess noise. It's suitable for high powder emissions and ideal for frequent powder product changes that require intermediate CIP cycles.

Munters creates the perfect climate for your spray drying process. With a history of innovation and customer satisfaction, Munters provides solutions for all your spray drying needs. We offer the latest innovations and world-class engineering in every step of the process. You can achieve perfect product quality every single time with Munters.



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Attenuator sizes

Models	Airflow kg/h [lb/h]	Length mm [inch]	Height mm [inch]	Width mm [inch]
PureSound 2220	Max. 56,000 [123,459]	8,500 [334.65]	2,850 [112.20]	2,200 [86.61]
PureSound 2230	Max. 86,000 [189,598]	9,500 [374.02]	3,850 [151.57]	3,100 [122.05]
PureSound 3130	Max. 120,000 [264,555]	10,500 [413.39]	3,850 [151.57]	3,100 [122.05]
PureSound 4030	Max. 160,000 [352,740]	11,500 [452.76]	3,850 [151.57]	4,000 [157.48]

Material and specifications

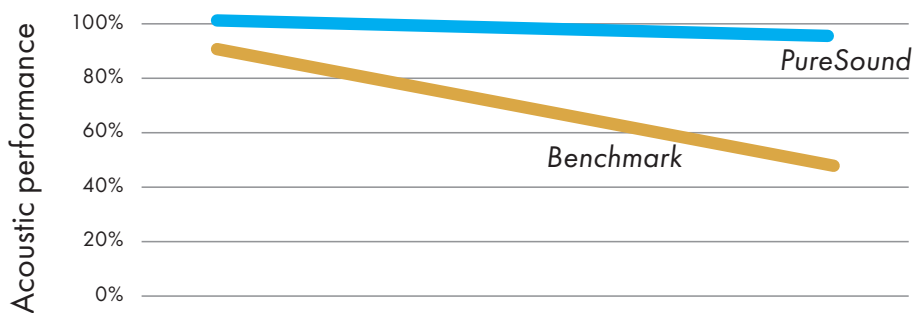
Metal parts	Stainless steel 304
Acoustic insulation	Durable synthetic fibre
Protective finishing	Cleanable chemical resistant foil
Air temperature	90°C [194°F]; peak load 110°C [230°F]
Air velocity	13 m/s [42.7 f/s]
Acoustic performance	Up to 30 db(A)

CIP medium conditions for baffles

Cold (drinking) water	
Hot (drinking) water	45°C – 65°C [113°F – 149°F]
NaOH (sodium hydroxide)	3% mass @ 75°C [167°F]
HNO ³ (nitric acid)	2% mass @ 75°C [167°F]

Cleaning with hot drinking water, instead of aggressive media, will extend product lifetime.

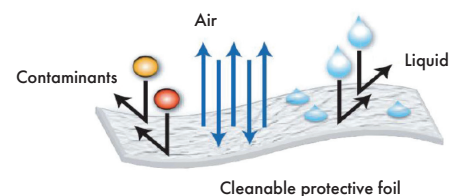
Acoustic performance in time



Acoustic performance in time considering an average power emission

Cleanable protective foil for baffles

The protective foil is permeable for air but will prevent contaminants and liquid moisture entering and polluting the synthetic fibre material. Lifetime is dependent on cleaning medium, temperature and air speed. In most cases baffles have to be exchanged only every second year.



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