

solo®

THE BETTER CHOICE. SINCE 1948.
German quality sprayers and cut-off machines



eFOG 480

WORLD FIRST

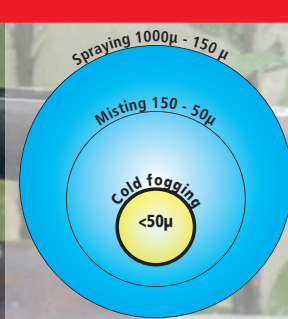
Certified in accordance with the
official guidelines of the **WHO**



Made in Germany



SOLO eFOG 480 - Emissions free fogging in the ULV micron range
The new battery-powered backpack cold fogger from SOLO



SOLO eFOG 480 - The New Benchmark in Battery-Powered Mobile Cold Fogging

Ultra-fine droplets generated by a high-efficiency high-pressure pump

Quiet, lightweight and emission-free - for outstanding carrying comfort



■ Main Applications

- **Vector Control:** Control of disease-transmitting insects
- **Professional Pest Control**
- **Indoor Space and Surface Disinfection**
- **Indoor Plant Protection**

■ What Makes the SOLO eFOG 480 Battery-Powered Cold Fogger So Unique?

• Droplet Size

An exceptionally fine droplet spectrum ensures that droplets remain airborne for extended periods. This significantly increases the effectiveness and efficiency of the applied agents – particularly important for space treatments and vector control.

• Special Nozzles

Different nozzle sizes provide maximum flexibility for space and surface treatments, offering variable flow rates and droplet sizes – ideal for professional pest control and disinfection applications.

• High-Performance Pump

At the heart of the SOLO eFOG 480 is a specially developed, compact high-pressure pump. Its outstanding efficiency produces exceptionally fine droplets, setting a new standard for mobile cold fogging equipment. 75% of the droplets produced are smaller than 15 µm in diameter.

• Highly Mobile, Cordless and Emission-Free

Cordless operation eliminates the need to search for power outlets or repeatedly reconnect power cables when working indoors. This significantly improves work efficiency while reducing operator workload.

Even difficult-to-access areas can be reached effortlessly and effectively treated with fog. Extremely quiet operation also allows the eFOG 480 to be used in noise-sensitive environments.

• Large Solution Tank

The generous 6-litre solution tank, exceptionally large for a mobile cold fogger, combined with an optional second battery, provides sufficient operating autonomy for a full working day.

Approved water-based and oil-based biocides can be used without difficulty. (Always observe the instructions and specifications provided by the chemical manufacturer.)

• Ergonomic Operation

The outstanding efficiency of the compact high-pressure pump allows the use of lightweight and compact batteries. The resulting low overall weight, combined with the professional carrying system, provides exceptional carrying comfort – even during extended periods of operation.

• Precise Application

The integrated laser aiming system makes it easy to direct the fog precisely towards the intended treatment area.

• Safety First

Sensitive electronic components and the battery

are hermetically sealed from the surrounding environment. Multiple-stage filtration protects the liquid system from the filling opening through to the high-tech nozzle. Filters can be replaced quickly and easily, while straightforward system venting simplifies operation and maintenance.

The SOLO eFog 480 is certified in accordance with the World Health Organization (WHO) requirements for the control of disease-carrying insects.

■ SOLO PRODUCT DETAILS

- Anatomically designed unit with a 6L chemical tank
- Exceptionally comfortable backpack carrying system with hip belt
- Compact - handheld unit with blower and electronic control panel
- Extremely efficient - high-pressure pump, removable 18V Li-ion battery and fast charger
- Adjustable fan speed
- Laser aiming assistance
- Two additional nozzles (0.2 mm and 0.3 mm) are available as optional accessories
- Additional battery slot in the backpack unit for carrying a second battery
- Very quiet, emission-free, and cordless
- Three nozzles: 0.1 mm, 0.2 mm and 0.3 mm included as Standard

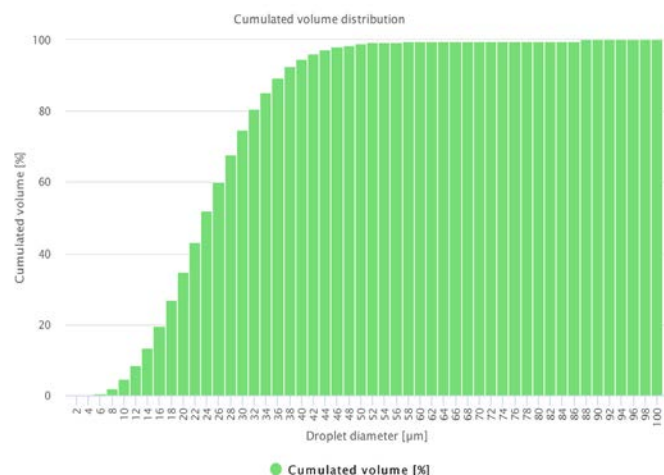
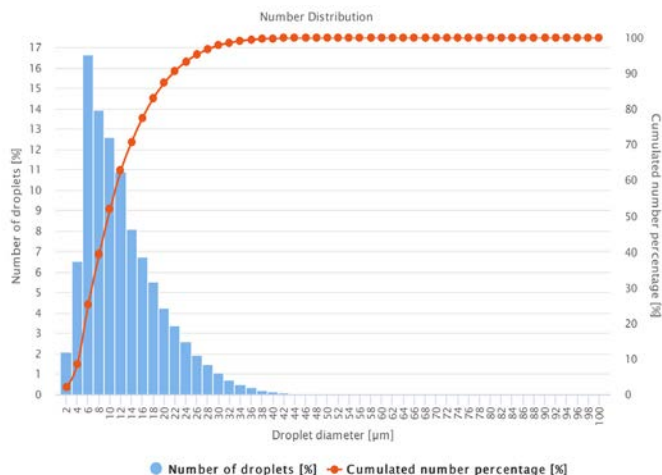
eFOG 480 - Fogging in the μ -Range, cordless and emission-free SOLO's new battery-powered backpack cold fogger

SOLO eFog 480 output data with water 20°C

nozzle	pressure setting	pressure (bar)	output flow				Droplet spectra data in µm											
							without blower							with blower				
			ml/min	L/h	oz/min	US-gal/h	DV10	DN10	DV50*	DN50	DV90	DN90	DV10	DN10	DV50	DN50**	DV90	DN90
0.1	1	30	19	1,14	0,642	0,301	26,1	4	47,6	14	69	42	19,4	4	35,5	12	54,3	32
	2	70	27,4	1,64	0,927	0,434	22,5	4	42	13	63,8	37	15,9	4	28,8	11	45,8	28
	3	100	33,7	2,02	1,140	0,534	20,5	4	39,1	11	60	32	14,1	4	26,1	11	40	24
	4	130	38,5	2,31	1,302	0,610	19,4	4	38,2	10	58,3	28	12,7	4	23,5	10	36,9	20
0.2	1	30	41,2	2,47	1,393	0,653	29,4	4	53,7	16	80,1	62	25,7	4	41,6	15	66	51
	2	70	60,8	3,65	2,056	0,964	26	4	48,6	15	73,8	54	21,1	4	35,4	14	56,4	44
	3	100	74,5	4,47	2,519	1,181	23,7	4	45,2	13	69,3	47	18,5	4	32,2	13	49,8	38
	4	130	86,3	5,18	2,918	1,368	22,8	4	44,9	12	68,1	40	16,8	4	30,2	12	44,9	32
0.3	1	30	96,4	5,78	3,260	1,528	*DV50 = volume median diameter in µ (VMD / DV0.5)											
	2	70	140,3	8,42	4,744	2,224	**DN50 = number median diameter in µ (NMD / DN0.5)											



DATA ON DROPLET SIZES



Technical Data (measurement mode: PDA)

Pressure (water)	[bar]	130,00
Flow rate (water)	[l/min]	0.038
Pressure (air)	[bar]	-
Flow rate (air)	[m³/h i.N.]	-
Ratio air : water	-	-
Height	[mm]	-
Sauter D32	[µm]	20.3
DV10	[µm]	12.8
DV50	[µm]	23.7
DV90	[µm]	36.3

Productivity example

Biocide X against flying insects

Example for application dosage: 1 L / 3000 m³ (dependent on specific biocide)

Nozzle	pressure (bar)	without blower droplet size DV50 (µm)	with blower droplet size DV50 (µm)	productivity minutes / 1.000m³
0,1	30 - 130	47,6 - 38,2	35,5 - 23,5	17,5 - 8,7
0,2	30 - 130	53,7 - 44,9	41,6 - 30,2	8,1 - 3,9

TECHNICAL DATA

Model	SOLO eFOG 480 Battery-Powered Cold Fogger		
Tank	6 L (1.6 US gal.)		
Pump	High-pressure pump max. 130 bar (1885 psi)		
Battery	18 V Li-Ion battery; 5 Ah		
Charger	4 A, 100-240 V, 50/60 Hz		
Nozzles (standard delivery)	Nozzle	Part no.	Application Note
	0,1 mm	15702	Room treatment*
	0,2 mm	15791	Room and surface treatment
	0,3 mm	15792	Surface treatment**
Operating time per battery	3.5 h pump only (pressure level 4, 130 bar); 1.6 h pump (pressure level 4, 130 bar) + blower max. power; each with nozzle 0.1		
Charging time	1,5 h		
Droplet sizes MVD	23-48 µm, adjustable		
Blower airflow	280 m³/h at 16 m/s (165 cfm at 52 fps)		
Droplet sizes MVD¹ (DV50), water-based	adjustable by pressure and blower levels: Nozzle 0.1: 23 - 48 µm Nozzle 0.2: 30 - 54 µm		
Droplet sizes MND², water-based	Nozzle 0.1, at max. pressure: 10 µm		
Output rate Pressure-dependent	Nozzle 0.1: 1.14 - 2.31 L/h (0.301 - 0.610 USgal/h) Nozzle 0.2: 2.47 - 5.18 L/h (0.653 - 1.368 USgal/h) Nozzle 0.3: 5.78 - 8.42 L/h (1.527 - 2.224 USgal/h)		
Range	16-20 meters in a draft-free room		
Dry weight	Backpack unit 7.3 kg (16.1 lbs) with battery; Hand unit 1.3 kg (2.9 lbs)		

*Room treatment = for flying pests/insects (pest control) and vector control (disease carriers), room air disinfection.

**Surface treatment = for crawling pests/insects, surface disinfection.

¹Mean volumetric diameter. 50% of the total liquid volume is smaller than the stated values, 50% is larger.

²Mean numeric diameter. 50% of the droplet count is smaller, 50% larger than the stated value.

solo®

THE BETTER CHOICE. SINCE 1948.
German quality sprayers and cut-off machines

SOLO Kleinmotoren GmbH · P.O. Box 60 01 52 · D-71050 Sindelfingen · Telefon +49 (0) 70 31 / 301 - 0 · www.solo.global · info@solo-germany.com

Please note: personal protective equipment varies according to country-specific regulations and instructions from the spray medium manufacturer. Subject to technical modifications. 70 363 08/2026