



Handheld X-Collison

CONSTANT OUTPUT ATOMIZER

Table of Contents

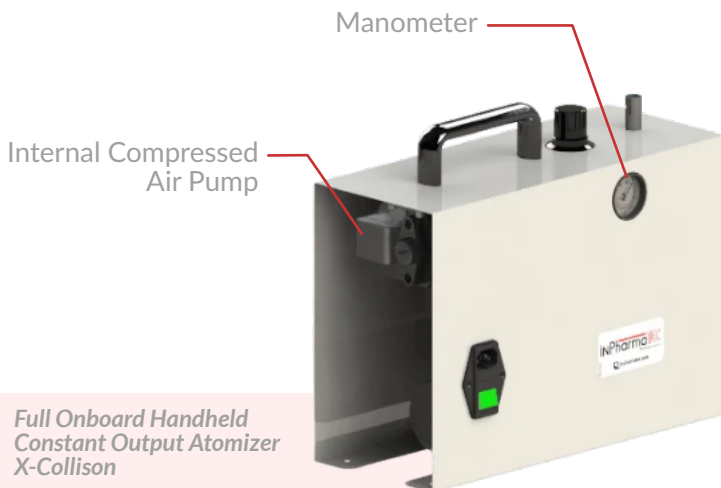
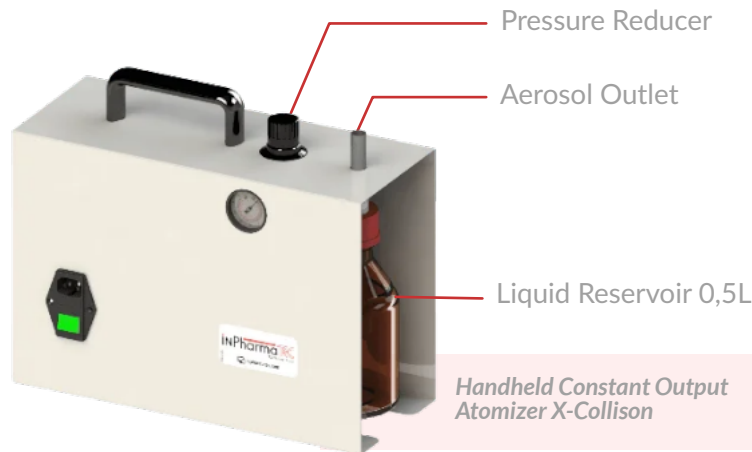
01 Applications

02 Main Features / Technical Data



Handheld X-Collison

CONSTANT OUTPUT ATOMIZER



The aerosol generator operates by utilizing compressed air to generate aerosols from liquids, solutions, or suspensions, with the mass flow rate regulated for optimal performance.

It is versatile and can accommodate a variety of liquids, such as DEHS, and is also capable of dispersing PSL reference materials.

Handheld Constant Output Atomizer X-Collison is designed for use with an external pressurized air supply (2 versions available, full onboard and without. Full onboard includes internal compressed air pump).

The pressure reducer and manometer are strategically positioned to ensure the instrument can be easily and safely operated. Additionally, the liquid reservoir 0,5 L is housed within the chassis of the generator.

At the core of the Aerosol Generator lies a novel atomizer nozzle constructed entirely of stainless steel. This two-stream nozzle operates on the injection principle and is complemented by a baffle positioned near the spray outlet. This integrated particle impaction section effectively eliminates coarse spray droplets, yielding a particle size distribution predominantly below 1 μm . Moreover, the compressed air required for operation undergoes purification through a HEPA-filter, ensuring cleanliness and reliability.

Applications

- ▶ Testing of HEPA and ULPA filters
- ▶ Certification of cleanrooms
- ▶ Calibration of Aerosol Chemical Speciation Monitors
- ▶ Aerosolization for portable applications





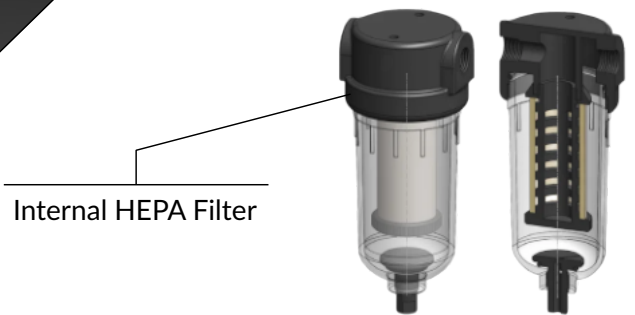
Handheld X-Collison

CONSTANT OUTPUT ATOMIZER



Main Features:

- ⦿ Aerosol generation up to 10 bar;
- ⦿ Polydisperse aerosol below 1 μm ;
- ⦿ Stable particle size distribution;
- ⦿ Suitable for producing latex aerosols.



Technical Data

Product	Code
Setting parameter	System pressure
Pressure range	Up to 10 bar
Setting method	Manual
Aerosolization flowrate	up to 200 L/min
Aerosolization substances/ solutions	Liquids (DEHS), solutions (NaCl, KCl), suspensions (PSL)
Filling volume	Up to 80 ml
Dimensions	240 x 350 x 140 mm
Weight	5 Kg

Product Codes

Product	Code
Handheld Constant Output Atomizer X-Collison	AC99-122-1010SP
Full Onboard Handheld Constant Output Atomizer X-Collison	AC99-122-1011SP

