



The atomizer nozzle system is a humidification system that can be used in all industrial applications where controlled or constant humidity is required. These humidifiers are used to add moisture to the air by atomizing water or water-based liquids. Compressed air and water are needed for the use of the system. Inside the nozzle, the mixture of air and water is carried out and very small water particles are given to the environment.

Atomizer humidifiers, which are offered in two different models, can be preferred according to the application and desired features

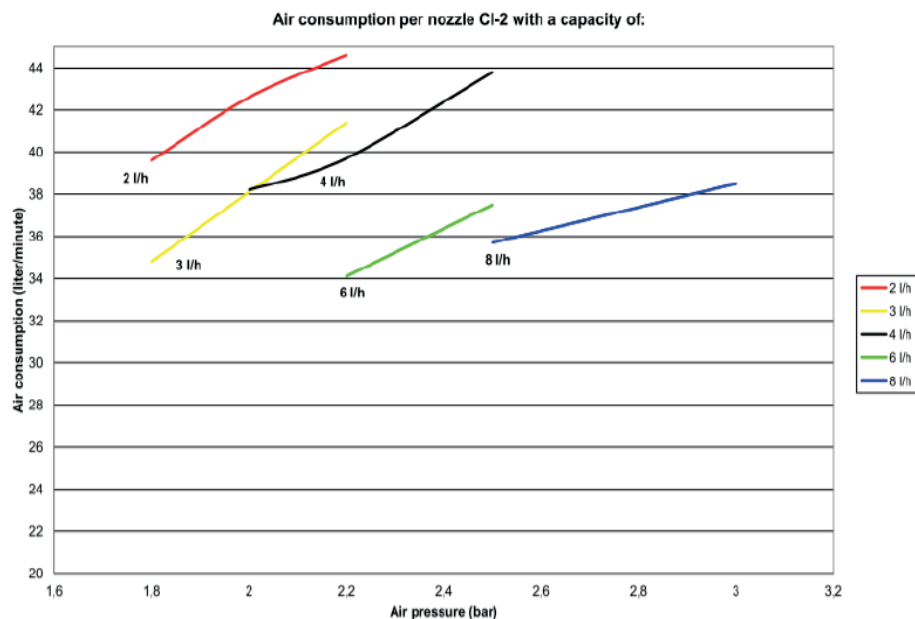
## 1-CI-2 Atomizer Nozzle

The CI-2 Atomizer nozzle atomizes water or water-based liquids. At the outlet of the nozzle, a mixture of air and water is carried out and sprayed out in very small water particles. Fine water particles evaporate very quickly in the air and increase the relative humidity. The CI-2 features self-cleaning needles and a low-noise design. It works with compressed air and a compressor with sufficient capacity is needed.



### Properties:

- Self-Cleaning patented structure
- All stainless steel
- Self-closing water and air inlets
- Completely safe construction
- Low maintenance
- Long service life
- No need for water treatment
- Adjustable capacity (thanks to flow controllers)
- Rapid evaporation (Small water particles)
- Low air consumption
- Easy installation regardless of installation heights



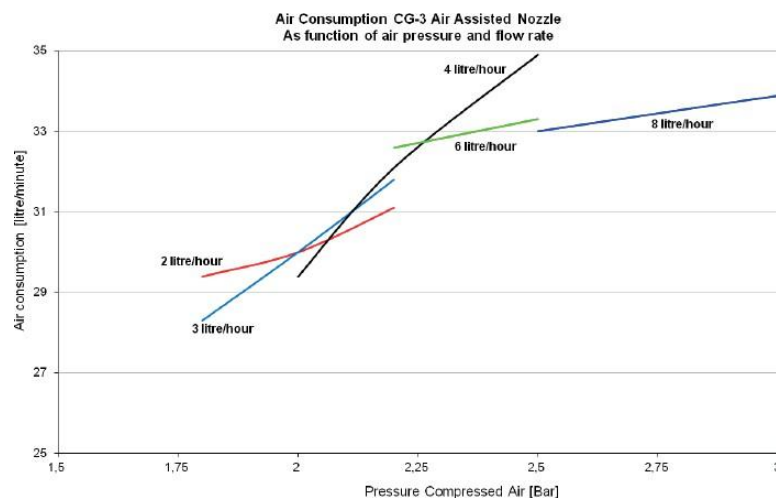
## 2-CG-3 Atomizer Nozzle

CG-3 Low noise Atomizer nozzle atomizes water or water-based liquids. fine water particles evaporate very quickly in the air and increase the relative humidity. The CG-3 features self-cleaning needles and a low-noise design. It works with compressed air and a compressor with sufficient capacity is needed.



### Properties:

- Patented self-cleaning design
- Special design for low noise level
- All stainless steel
- Self-closing water and air inlets
- Completely safe construction
- Low maintenance
- Long service life
- No need for water treatment
- Adjustable capacity
- Rapid evaporation (Small water particles)
- Low air consumption
- Easy installation regardless of installation heights



	CI-2 Atomizer Nozzle	CG-3 Atomizer Nozzle
Code	40179221	40179222
Humidification Capacity [l/hour]	0.5 - 12	0.5 - 3*
Dimensions [cm]	L 10.4, Ø 3.0	L 130, Ø30
Weight [g]	410	450
Material	SST 304 (Also fit SST316)	Stainless Steel
Sound Level [dB(A)]	79 dB(A)	69
Hardness of the Maximum [German Hardness]	Average 12'dH	12
Minimum Air Pressure [Bar]	2.0	2.0
Minimum Water Pressure [Bar]	2.5*	1
Maximum Water Pressure [Bar]	4.0	4.5
Water Inlet	1/8" BSP	1/8" BSP
Air Inlet	1/8" BSP	1/8" BSP
Compressed Air Quality	Lean; 3 mg/m <sup>3</sup> Moisture-free; 0.5 mg/m <sup>3</sup>	Lean; 3 mg/m <sup>3</sup> Moisture-free; 0.5 mg/m <sup>3</sup>
Compressed Air Consumption [liters/minute]	42 (2 bar)	32
Estimated Lifespan [Years]	20	20
Renewable Building	Yes	Yes
Need for Sufficient Compressor Capacity	Yes	Yes
Self-cleaning	Yes	Yes
Connectivity to the Control System	Jet Control and LegioSafe	Jet Control and LegioSafe
Anti-Drip Valve	Including	Including

It is recommended to use a maximum capacity of 31/4 in these nozzles. If used with a higher capacity flow control apparatus, the water particle size may increase, and the evaporation time and absorption distance may be extended. It should be 0.5 bar higher than the air pressure.