SIMCO ION™
An ITW Company

Your electrostatic **competence center**

Product specifications

Static Elimination
Ionising nozzles

Blowflex Easy

Blowflex Easy is an in-line ionising 24V DC air nozzle for neutralising and cleaning various surfaces. A quick disconnect 8mm inlet hose connection comes as standard. Mounting positions can be adapted to the situation, using the mounting base from the Blowflex itself with 5 mm holes & the M4 threaded holes or the Simco-ION universal mounting bracket. The housing is completely IP66, making it suitable for environments where frequent cleaning is conducted. A wide range of output configurations is available to enable efficient ionised air distribution for many applications.

Features

- Supply voltage 24V DC nominal
- Compressed air 0,2 - 5 bar (7 - 73 PSI)
- Air connections G ¼" female threads, 8 mm quick push in hose inlet
- Protection class IP66

"The smart in-line ionisation nozzle"

Blowflex IQ Easy

Our new Blowflex IQ Easy offers everything the Blowflex Easy offers (see above) with additional IQ functionality. It can be connected to our Smart SLC. If monitoring and continuous status information for correct operation of the Blowflex is needed, the IQ variant is for you.

Additional Features

All Blowflex Easy features, additionally;

- Monitoring of air pressure input*
- Air pressure ionisation trigger adjustable*
- Switch on automatically when pressure is applied (reduces wear and polution)
- Remote on/off (non-IQ use)
- Adjustable current*
- Operation OK (non-IQ use)

**Only in combination with the Smart SLC*

IQ Easy system

What is our IQ Easy system?

The Simco-ION IQ Easy platform is **the only smart system worldwide for controlling electrostatic** during your process. It has a central position in your machine. The IQ Easy platform enables:

- Standardised quality control
- Safety and convenience features
- Pro-active ionisation control

Carefree processes through smart devices that tell you when action is needed and can even solve efficiency issues by themselves through closed-loop feedback. The Smart SLC manages these processes and links the devices.

IQ software is built into almost all our products, our ionisation bars, sensors, charging devices and even our ATEX approved products have IQ compatibility. Our IQ products can be linked together with a Smart SLC or Manager IQ Easy, which function as the heart of the system. With the Smart SLC and Addition SLC's, control of up to 84 devices is possible. The IQ Easy system with compatible IQ devices enables:

- Live monitoring of all IQ devices
- Live adjusting of all IQ devices
- IQ devices can be switched on and off remotely
- Live efficiency data, with notifications when to clean connected devices
- Logging of all data from the whole static control system

In short: Manage all your IQ devices real-time. The IQ devices solve efficiency issues through closed-loop feedback, or alert you when action is needed. Carefree static control in your process.

Why IQ?

It is the smart way of controlling electrostatic, where **our products do the work for you and the IQ Easy system shows you when action is necessary**. Safety is enhanced, preventing explosions or fires in your machine originating from electrostatic charges and preventing shocks to employees. The devices tell you when they need cleaning, and whether they run efficiently. Closed-loop feedback can be enabled to have a smooth process where the required static charge is met.

In short: Safety through risk-control. Efficiency. Quality control.

4.0 READY Industry

IQ

24V

4 year

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Technical specifications

Supply	
Supply voltage	*24 V DC nominal*
Current	*Max. 0,3 A DC*
Connection	*M12 connector, male, 5-pins*
Air connections	*G 1/4" (BSPP) female threads*
Compressed air connector	*ø8 mm quick push in hose inlet*
Environment	
Use circumstances	*Industrial*
Protection class non-IQ variant	*IP66*
Protection class IQ variant	*IP50*
Ambient temperature	*0 - 55°C*
Mechanical	
Weight non-IQ variant	*>=180 g, depending on type*
Weight IQ variant	*200 g to 260 g, depending on type*
Housing material	*PC-ABS/PUR*
Universal mounting bracket	*PA66/6*
Pressure range	
Basic or inline	*0,3 - 5 bar (3 - 72 PSI)*
Flat nozzle	*0,3 - 4 bar (3 - 58 PSI)*
Inside cleaning 1/4"	*0,3 - 3 bar (3 - 43 PSI)*
Inside cleaning 3/8"	*0,3 - 5 bar (3 - 72 PSI)*
Round nozzle plastic	*0,3 - 3 bar (3 - 44 PSI)*
Round nozzle stainless steel	*0,3 - 3 bar (3 - 44 PSI)*

Status indication Blowflex IQ Easy

Indication in IQ operation

LED Indication	Conduct	Status	High Voltage
Green	Flashing 500 ms	Standby	Off
Green	On	In operation	On
Red	On	Overload or fault	Off
Green	Flashing 200 ms	Bootloader mode	Off

Indication in stand-alone operation

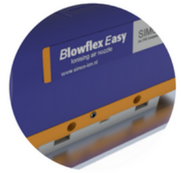
LED Indication	Conduct	Status	High Voltage
Green	On	In operation	On
Green	Falshing 500 ms	Standby	Off
Red	Flashing 100 ms	Operation OK output overloaded	On/off*
Red	On	Overload or defect	Off
Off	Off	No power	Off

Status indication standard Blowflex

Indication in stand-alone operation

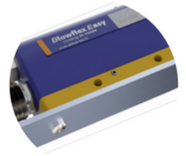
LED Indication	Conduct	Status	High Voltage
Green	On	In operation	On
Off	Off	No power	Off

Mounting options

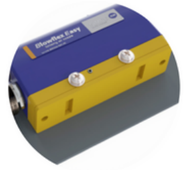


Universal bracket small

Universal bracket wide



Bottom mounting

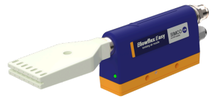


Side mounting

Available configurations

Basic

Flat nozzle



Round (stainless steel)

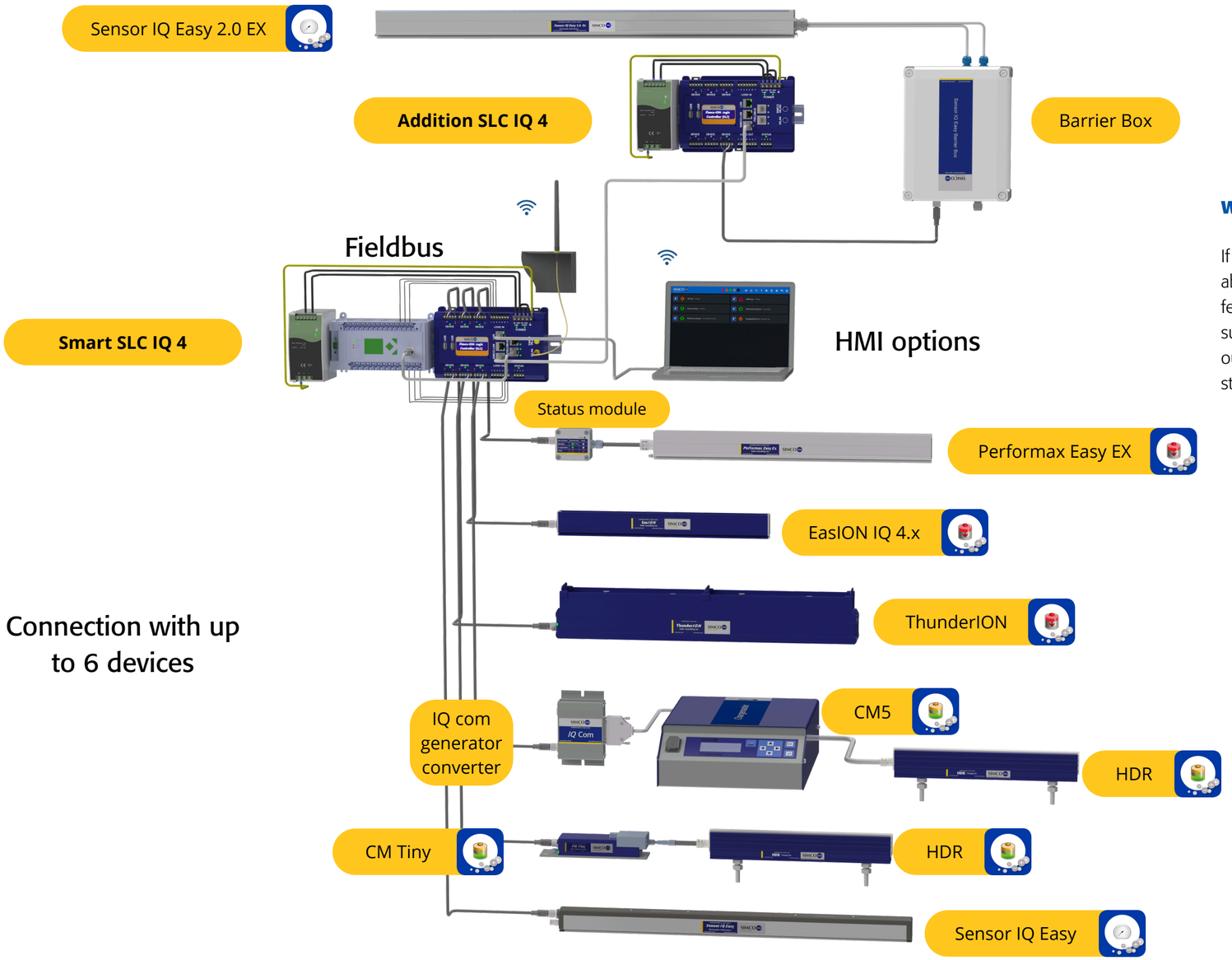
Round (plastic)

In-line

Bended tube

Inside cleaning

Your electrostatic **competence center**



When to choose for Simco-ION?

If you want the highest standard of smart ionisation devices with indications about cleaning and efficiency, self-regulating efficiency through closed-loop feedback with quality control and data logging and excellent customer support. What else? Industry leading warranty, technical support on-site from our technical experts and our large Design and Engineering department with steady innovations to optimise your processes.

Legend

- Charging products
- Static elimination products
- Electrostatic measuring products