



## Filter-regulating station for paint-spraying

### Air quality according to ISO 8573.1 - Class 1

Multi-stage compressed air preparation system with high-quality filter elements (pre-filter, micro-filter and, if needed, activated carbon-filter) for optimal paint results, avoiding (rendering unnecessary) costly retouching work and preventing operational failure. Removes contamination such as H<sub>2</sub>O, CO, CO<sub>2</sub>, hydrocarbons and dust particles. High flow-rate (3000 NI/min) with differential pressure gauge as an individual indicator of the degree of contamination. Provides optimal economic efficiency, service and safety.

## Technical Data

<b>Thread</b>	G 1/2
<b>Primary pressure</b>	16 bar
<b>Temperature range</b>	+5°C bis +80°C
<b>Flow rate</b>	3000 NI/min
<b>Washers</b>	NBR
<b>Materials</b>	Housing: Al, CuZn39Pb3 Distributor, bowl: Plastic (coated)

### Additional applications:

Sand blasting  
Chemical industry  
Synthetics industry  
Production of paints and varnishes  
Packaging industry  
Technical specification subject to prior change

### Stage One - Pre-filter with Automatic Drain Valve

Finely sintered bronze filter, 5 µm filtration, for filtering solids and liquids, filtration efficiency 99%, (reusable after washing)

### Stage Two - Pressure Reducer gauge with solvent resistant glass protecting panel

Independent of primary pressure with increased precision, without air consumption, regulates the desired operating pressure from 0,5 to 10 bar.

### Stage Three - Micro filter

Multi-layered deep-bed filter with three-dimensional filtration by borosilicate fibrous web with high-capacity dirt-absorption. For fine filtration of solid particles in compressed air and oil-water aerosols up to a residual oil content of 0,01 mg/m<sup>3</sup>. Chemically and biologically inactive, water-resistant. Stainless steel protective case and aluminium cover. Filtration efficiency 99,99998% at 0,01 µm

Tested and approved according to LPV 0.700.9900 (Fraunhofer Institute)

Article Number	Unit
Filter regulating station with 2 ball valves G <sup>3/8</sup>	439.2
Filter regulating station with 2 couplings DN7,2	439.3

Bracket mounted

**Supplementary element: activated carbon filter + distributor block with two outlets can be connected to 439.2 and to 439.3 with double nipple 185.77.**

### Stage Four - activated carbon filter

Breathing-air quality according to DIN EN 12021 with significantly less contamination than the surrounding air.

Multi-layered activated carbon for the absorption of vaporized liquids and hydrocarbons (oil-aerosols, odours). Residual oil content 0,005 ppm.

Activated carbon filter + distributor with 2 couplings DN7,2	439.4
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## Main spare parts

Pre-filter element	429-100
Micro-filter element	430-6
Activated-charcoal-filter element	431-6
Pressure gauge Ø50 vertical, 0-16 bar	102
Pressure gauge Ø63 horizontal, 0-16 bar	89