



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 H₂O, CO, CO₂, hydrocarbons and dust particles. High flow-rate (3000 Nl/min) with differential pressure gauge as an individual indicator of the degree of contamination. Provides optimal economic efficiency, service and safety.

Technical Data

Thread	G 1/2
Primary pressure	16 bar
Temperature range	+5°C bis +80°C
Flow rate	3000 Nl/min
Washers	NBR
Materials	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/m³. 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 ^{3/8}	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