

MIKROPOR COMPRESSED AIR FILTERS UP FILTERS

Manufacturing Forward





Mikropor began its journey in 1987 with a passion to create “Tomorrow’s Technology” and has become one of the leading manufacturers of atmospheric air filtration solutions and compressed air treatment systems for a variety of industries.

By closely following the latest developments in technology, Mikropor’s “Best in Class” products and solutions are appreciated by customers in more than 100 countries.

The company’s sustainable growth has been provided by its passion for innovation and commitment to quality, as well as its dedication to technology. Mikropor is an environmentally conscious company that values people, while developing products that extend the needs and expectations of customers.

With this mission, Mikropor continues to become one of the most recognized brands in the world by expanding its global penetration in the field of technological filtration and contributes to a healthier planet.

www.mikropor.com

COMPRESSED AIR FILTERS UP FILTERS

Mikropor Compressed Air Filters have been designed to meet all requirements of the compressed air filtration world. These air filters provide more comfortable usage for end users with an increased endurance, higher efficiency at lower pressure drop and more port size options.

Filtration

The filtration of particles generated as a result of the process performed on various applications such as laser cutting is critical for the lifetime and efficiency of the equipments. Specifically in the laser cutting applications, particles and dust can accumulate in the optical components of the machines, reducing efficiency and causing damage. By preventing these build-ups, filters extend the life of the equipment and reduce maintenance costs.

Due to the usage of deep pleating technique, the filtration area is significantly increased remarkably, which leads to a better filtration and higher dirt holding capacity by using a special material. Mikropor Compressed Air Filters have been designed to remove air contamination in compressed air, delivering energy efficient operation and reliable performance.



Features

In the laser cutting and other couple of critical applications, machine inlet air is required at Class 1 level for particules in accordance with the ISO 8573 standard. This is because the particles formed during laser application cause a danger to both the last product, machine service life, and employee health during processes. Ultra particle filters can provide Class 1 for particules specifically as used together with the water, oil, and particle filters required beforehand.

Filter Type

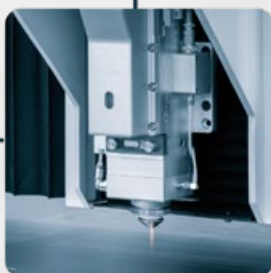
UP Ultra Particulate Filter



Human/Employee



Machine Service Life



Laser Cutting Vapor Particles



Final Product

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Technical Specifications

Model	Recommended Flow Rate (m ³ /h @7barg)	Maximum Operating Pressure (barg)	Inlet-Outlet Size
UP-20	20	20	1/4" , 1/2"
UP-40	40	20	1/4" , 3/8" , 1/2"
UP-25	25	20	1/4" , 3/8" , 1/2"
UP-50	50	20	1/4" , 3/8" , 1/2"
UP-100	100	20	3/8" , 1/2"
UP-150	150	20	1/2" , 3/4" , 1"
UP-200	200	20	3/4" , 1"
UP-250	250	20	3/4" , 1"
UP-300	300	20	1" , 1 1/4" , 1 1/2"
UP-500	500	20	1 1/4" , 1 1/2"
UP-600	600	20	1 1/4" , 1 1/2"
UP-851	851	20	1 1/4" , 1 1/2" , 2"
UP-1210	1210	20	2"
UP-1520	1520	20	2 1/2" , 3"
UP-1820	1820	20	3"
UP-2220	2220	20	3"
UP-2620	2620	20	3"

Model	Recommended Flow Rate (m ³ /h @7barg)	Maximum Operating Pressure (barg)	Inlet-Outlet Size
UP-H-100	71	50	1/2"
UP-H-300	212	50	1/2"
UP-H-600	425	50	3/4"
UP-H-850	595	50	1"
UP-H-1200	850	50	1"
UP-H-1600	1600	50	1 1/2"
UP-H-2500	2500	50	2"
UP-H-3000	2500	50	2 1/2"



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