

Aero Pac Nano - Synthetic Pocket Filters Nano Media

AERO PAC Nano high efficiency extended surface bag filters are manufactured from a new generation range of Nano coated Meltblown synthetic media with a high lofted synthetic fiber pre-filter filter . AERO PAC NANO offers excellent filtration performance combined with high dust holding capacity and suitable for applications where highest degree of air cleanliness is required. AERO PAC is capable of removing contaminants such as bacteria, fungi, fumes, smoke etc. from the air stream and it is an ideal bag filter for HVAC systems installed in Hospitals, Laboratories, Food processing & Pharmaceutical units, Computer rooms, Optical and Electronic facilities, Airports terminals, public buildings etc. This filter meets the class demand as per ISO 16890 as well as EN 779 : 2012.

Aerofil Models

Aero Pac Nano


Available in 20 and 25mm header

ISO ePM1 80% /60% and ePM10 60%

M6 to F9 as per EN779:2012

Metal or Plastic Frame

Silicon Free



Media Features and Technical Details

AERO PAC NANO utilizes a 100% synthetic filter media having high tensile strength . This Nano coated media has an advantage of being heat sealed, thus avoiding any pin holes that are found in most conventional bag filters. The three stage media arrangement which consist of coarse fibers upstream, micro-fine fibers down stream and a scrim backing to prevent fiber migration, offers high dust holding capacity and filtration efficiency.

AERO PAC NANO provides extended surface filtration through media formed into individual dust holding pockets. These pockets are created by internal spacers through ultra soniq welding process to maintain uniform airflow channels for even dust loading and longer filter life. The perfectly balanced pocket design allows full media inflation without crowding or restricting airflow to ensure optimum media utilization and there by offering long service life. Each pocket is bonded and sealed to its own "J" channel support frame which is fastened to a heavy duty corrosion resistant steel frame with soft edges to avoid damage to the filter media. This design prevents air bypass by eliminating metal contact points between components. Filters are also offered in plastic frame construction.

Selection Chart

Product Code	Width	Height	Depth	Pocket	EN 779	ISO	Air Flow	IPD	Media Area (M2)
APNW9-44-24-6P	592	592	600	6	F9	ePM 180%	3400	125	4.68
APNW9-04-24-5P	490	592	600	5	F9	ePM 180%	2700	125	3.9
APNW9-24-24-3P	287	592	600	3	F9	ePM 180%	1700	125	2.34
APNW9-44-24-8P	592	592	600	8	F9	ePM 180%	3400	115	6.05
APNW9-04-24-6P	490	592	600	6	F9	ePM 180%	2700	115	4.53
APNW9-24-24-4P	287	592	600	4	F9	ePM 180%	1700	115	3.02
APNW9-46-24-8P	592	892	600	8	F9	ePM 180%	5100	115	8.92
APNW9-26-24-4P	287	592	600	4	F9	ePM 180%	2550	115	4.46
APNW7-44-24-6P	592	592	600	6	F7	ePM 160%	3400	85	4.68
APNW7-04-24-5P	490	592	600	5	F7	ePM 160%	2700	85	3.9
APNW7-24-24-3P	287	592	600	3	F7	ePM 160%	1700	85	2.34
APNW7-44-24-8P	592	592	600	8	F7	ePM 160%	3400	72	6.05
APNW7-04-24-6P	490	592	600	6	F7	ePM 160%	2700	72	4.53
APNW7-24-24-4P	287	592	600	4	F7	ePM 160%	1700	72	3.02
APNW7-46-24-8P	592	892	600	8	F7	ePM 160%	5100	72	8.92
APNW7-26-24-4P	287	592	600	4	F7	ePM 160%	2550	72	4.46
APNW6-44-24-6P	592	592	600	6	M6	ePM 160%	3400	60	4.68
APNW6-04-24-5P	490	592	600	5	M6	ePM 160%	2700	60	3.9
APNW6-24-24-3P	287	592	600	3	M6	ePM 160%	1700	60	2.34
APNW6-44-24-8P	592	592	600	8	M6	ePM 160%	3400	55	6.05
APNW6-04-24-6P	490	592	600	6	M6	ePM 160%	2700	55	4.53
APNW6-24-24-4P	287	592	600	4	M6	ePM 160%	1700	55	3.02
APNW6-46-24-8P	592	892	600	8	M6	ePM 160%	5100	55	8.92
APNW6-26-24-4P	287	592	600	4	M6	ePM 160%	2550	55	4.46

Note : Other sizes having filter face size 490 x 592mm operates at 80% airvolume and filter face 287 x 592mm operates at 50% of the air volume of 592 x 592mm. Pressure drop remains the same.

- Recommended Final Resistance : 250 Pa
- Maximum Pressure Drop - 450 Pa
- Maximum Operating Temperature / Humidity - 80 ° C / 100%

All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notices due to the constant technical improvement.

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