

SoniQ II

Ultrasonically-Sealed

Bag Filters



CLEAN
AIR



POWER
GENERATION



CLEAN
ROOM



INDUSTRIAL

Packed with features, SoniQ II bag filters are ultrasonically-sealed (hence the name) to nullify the drawbacks associated with traditionally sewn pockets. Removing stitch holes is obviously the main benefit, but ultrasonically-sealing also provides greater strength, uses less space inside the pocket and also lessens the risk of contamination from within the filter.

When this is coupled with a media that resists microbial growth and the build-up of mould or mildew, we are left with a filter suited to a wide range of applications, from hospitals and computer suites, through to offices and public buildings.

IMPROVED EFFICIENCY

SoniQ II has been specifically developed to offer high levels of filtration efficiency across its service life. A key part of this is meeting the requirements of EN 779:2012 by offering dependable performance whether clean, dirty or discharged. This is achieved thanks to SoniQ II's enhanced media that provides high mechanical efficiency in addition to its inherent electrostatic charge, so no matter what the operating environment presents, SoniQ II will keep providing assured performance and high efficiency levels.

KEY FACTS

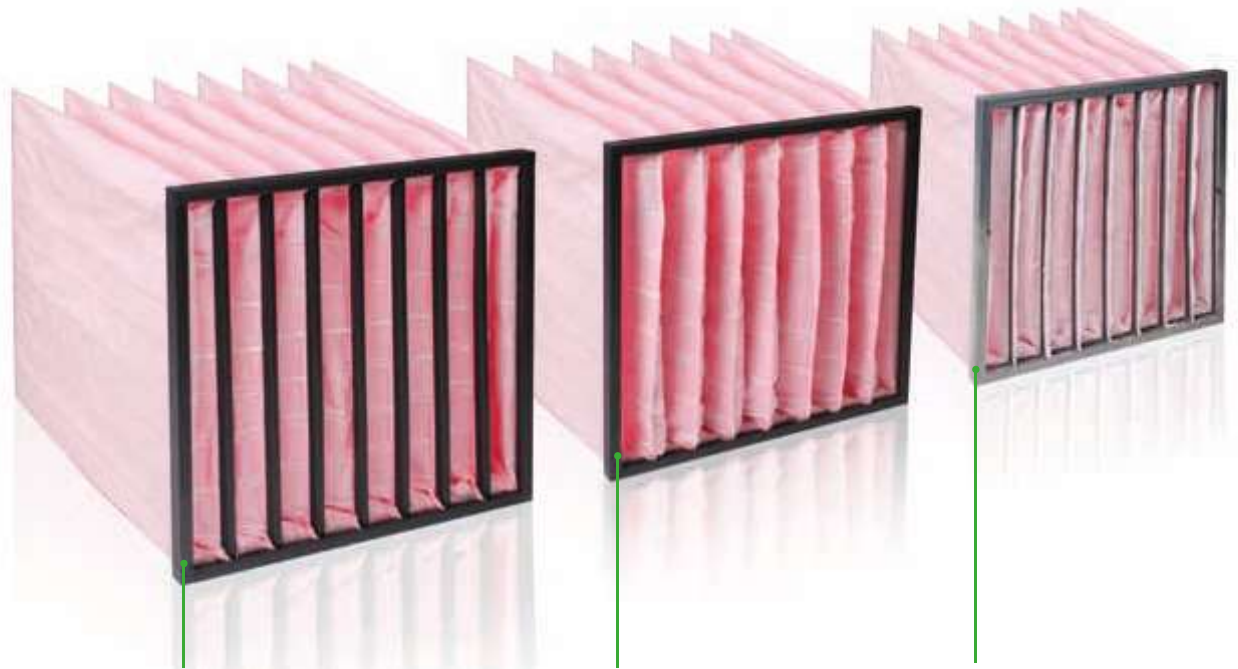
- Meets requirements of latest EN 779 standard: Assured performance throughout service life
- Ultrasonically-sealed: For greater strength and performance in even the most challenging of conditions
- Resists microbial growth: Prevents the build-up of mould or mildew
- Long lifetime in operation: Lowers costs
- Plastic frame: Lightweight and for easy, environmentally-friendly disposal
- Free of toxic chemicals: Eliminates leaching into airstream
- Longitudinal separators: Provide even air distribution throughout the filter



MANN+HUMMEL participates in the ECC programme for Air Filters. Check ongoing validity of certificate: www.eurovent-certification.com or www.certiflash.com

SoniQ II

Range Overview



SoniQ II

Superior frame with aerodynamic cover glides

The standard SoniQ II plastic frame offers excellent rigidity and strength. This version also features aerodynamic cover glides to aid air flow.

eSoniQ II

Budget-friendly, plastic frame

Whilst eSoniQ II's frame may not be as rigid as the standard version, it provides ample strength for less demanding applications where budget is the primary concern.

mSoniQ II

Galvanised steel frame

mSoniQ II's galvanised steel frame is designed for use in applications where plastic frames are unsuitable.

POCKET DESIGN & BURST RESISTANCE

SoniQ II features pockets designed to inflate and remain separated from one another to allow even distribution of the air flow across the entire filter. With the dust-loading dispersed consistently, the filter media provides both increased efficiency and greater dust holding capacity. Independent burst tests undertaken on the SoniQ II media have shown that even at pressures exceeding 750 Pa, no significant distortion takes place with the media remaining completely intact.

TESTING

As well as internal testing on EUROVENT/ASHRAE test rigs, the SoniQ II range is also regularly subjected to independent checks in accordance with EN 779:2012 and as part of the Eurovent Certification scheme for fine filters.

SoniQ II Construction



- 1** Plastic frame - easy waste disposal, fully incinerable, no sharp edges and 30% lighter than mild steel. Metal headers (as pictured) are available upon request.
- 2** Ultrasonic bonding around each pocket perimeter ensures strength under heavy dirt loading conditions.
- 3** Multiple rows of equally spaced longitudinal separator lines maintain optimum pocket configuration to provide even air distribution through the filter pack.
- 4** Greater media area per pocket as no hotmelt required to seal stitch lines.
- 5** Pocket lines recessed from header to produce an open entry shape



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Technical Data

Filter class	M5	M6	F7	F8	F9
Air Flow (m ³ /h)	3,400	3,400	3,400	3,400	3,400
Initial Pressure Drop (Pa)	70	80	100	140	175
Rec. Final Pressure Drop (Pa)	450	450	450	450	450
Pocket Length (mm)	635	635	635	635	635
No. of Pockets	8	8	8	8	10
Energy Rating*	E	E	C	C	C
Flam. Classification acc. to DIN 53438	K2/F2	K2/F2	K2/F2	K2/F2	K2/F2

* Energy Rating – as is the case with many consumer goods, our M5 – F9 filters are rated according to their energy efficiency on a scale of A+ (the best) to E (the worst). These ratings are certified by Eurovent and in accordance with the 4/21 scheme.

PRESSURE DROP VERSUS AIR FLOW

