

M3 HIGH PERFORMANCE

High-capacity prefilter alternative to traditional cellar filtration



Technical features and benefits

The M3 HIGH PERFORMANCE high-capacity cartridge is distinguished by its radial pleating and high filter surface area. Its special features ensure numerous advantages:

- Depth filtration with high filtering surface area
- High retention capacity of suspended solids, ensuring high performance, durability and lower costs
- Faster replacement of filter elements
- Fewer o-rings and reduced risk of by-pass
- Significantly lower disposal costs compared to cartridges considering the same filter surface area
- Broad chemical compatibility for filter element regeneration
- FDA-compliant polypropylene construction
- High retention efficiency for quality filtration
- Choice of different micrometers



Upper terminal



Cage and pleating



Adapter

Construction materials

Filter media	Polypropylene with radial pleating
Support and drainage layers	Polypropylene
Internal and external cage	Polypropylene
End supports	Polypropylene
'O' rings	Buna-N Standard Viton, EPR, Silicone
Material coupling	Thermowelding

Operational data

Max operating temperature	82°C
Max Δp	3,4 Bar
Recommended initial ΔP	$\leq 0,07$ bar
Limit ΔP for filter element change	2,5 bar
Filtration flow	Outdoor / Indoor
Recommended flow rate	40 hL/hour per 40" element

Regeneration and sanitation

M3 HIGH PERFORMANCE filter elements can be repeatedly regenerated also in backflush, with hot water max 80°C, sterilized with steam up to 121°C. They can also be used in hot caustic cycle, even with peroxide.

M3 HIGH PERFORMANCE FILTER ELEMENTS ARE PACKAGED IN A CLEAN ROOM. THE RIGID CARDBOARD PACKAGE HAS ANTI-SHOCK TERMINAL PARTICULARS.