# Reference: M3\_HIGH\_PERFORMANCE\_DEP\_EN\_0100124\_DANMIL\_Italy

# M3 HIGH PERFORMANCE



### High-capacity prefilter alternative to traditional cellar filtration

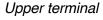


### **Technical features and benefits**

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







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

## **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.

# **Operational data**

Max operating temperature	82°C
Мах Др	3,4 Bar
Recommended initial ΔP	≤ 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

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