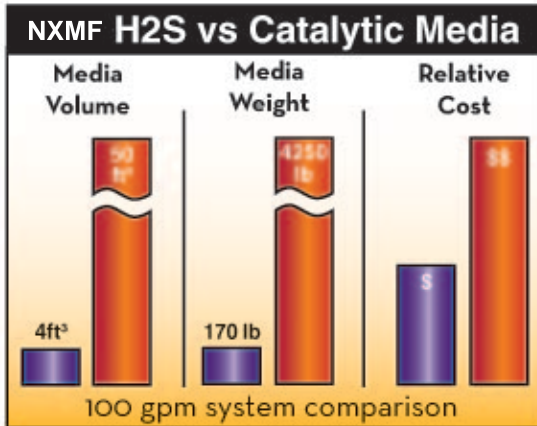


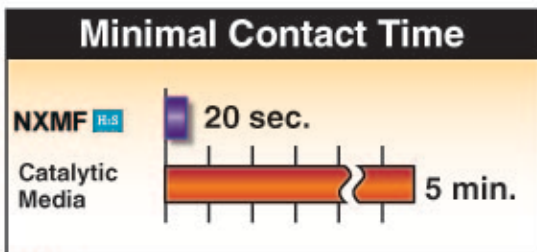
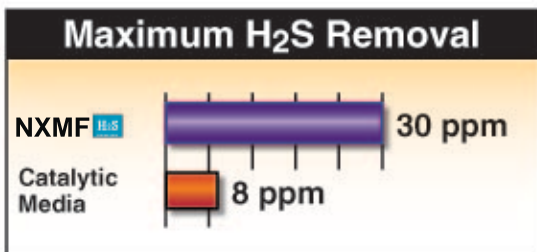
NXMF



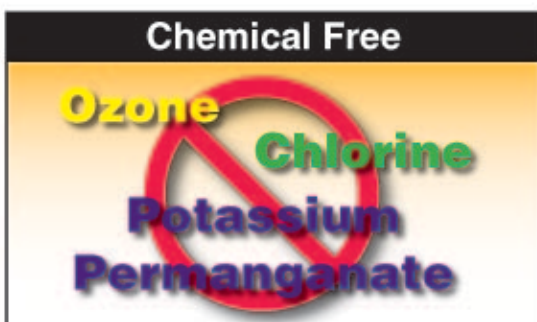
Revolutionary nanotechnology Hydrogen Sulfide removal media



NXMF H₂S systems use 1/12th the media volume, 1/25th the media weight, and cost approximately one-half a comparable catalytic media system.



NXMF H₂S offers dramatically higher H₂S removal and remarkably short contact time for greater effectiveness and higher efficiency than any other method.



NXMF H₂S requires no oxidizers, chemicals or ozone.

Introduction

Until now, there was no straightforward and simple method for removing hydrogen sulfide from problem well water supplies. NXMF H₂S media represents a true breakthrough in hydrogen sulfide treatment and surpasses all other methods. This extraordinary performance is made possible by the application of nanotechnology to a unique granular media.

Atomic level "nano-templates" on the surface of NXMF H₂S granules enable extremely rapid catalytic reactions which convert hydrogen sulfide to filterable particles of insoluble sulfur. These particles are then easily filtered out by conventional backwashing media. Absolutely **no oxidizing agents** such as chlorine, potassium permanganate or ozone are required. Furthermore, unlike conventional methods, the efficacy and efficiency of NXMF H₂S is virtually unaffected by pH or temperature.

The incorporation of iron into the media structure provides additional adsorption capabilities for reduction of heavy metals and organic matter, which are common in well water supplies.

Features

- **Extremely Fast** - NXMF H₂S requires less than 20 seconds of contact time to convert H₂S to filterable sulfur. In contrast, conventional catalytic media require contact times of 5 minutes and oxidative methods require contact times of up to 20 minutes.
- **Handles extremely high concentrations** - NXMF H₂S removes up to 30 ppm of H₂S. In contrast, conventional catalytic media are limited to about 8 ppm of hydrogen sulfide - higher concentrations require oxidation with 2 ppm of chlorine for each ppm of H₂S, with 20 minutes of contact time followed by media filtration.
- **Stays clean and effective** - Regardless of the level of hydrogen sulfide, periodic backwashing of NXMF H₂S with untreated water is all that is required. In contrast, conventional catalytic media requires complicated and expensive system involving chemical feed, chemical regeneration and vigorous backwashing.
- **Field proven** - NXMF H₂S has performed successfully since 2002 in over 750 installations.
- **Compact System** - Small domestic systems (<1000gpd) can incorporate NXMF H₂S and filtration in a single tank.

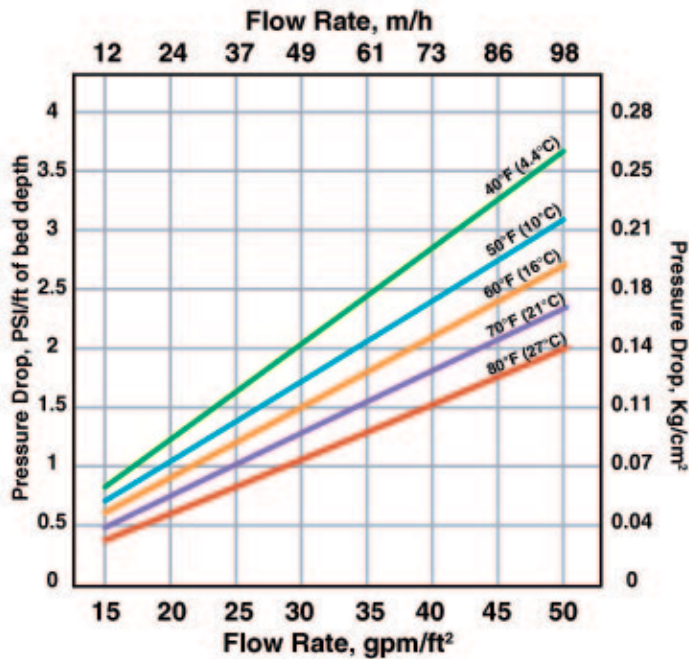
Physical Properties

- Composition Nano structured granules
- Size 0.6-2 mm (approx. 10x30 mesh)
- Color Red Brown
- Bulk Density 42 lbs per ft³ (0.67 kg/L)
- Packaging 120 liter drum (4.24 ft³)
81Kg (178lb)

Water Chemistry & Limitations

- pH 6.0 to 9.0
- H₂S removal 30 ppm max
- Temperature 41 to 120° F (4.5 to 54 C)

Pressure Loss vs. Flow



Backwash Flow Required vs. Water Temperature*

	80°F (27° C)	70°F (21° C)	60°F (16° C)	50°F (10° C)	40°F (4.5° C)
Flow gpm/ft ²	27	24	20	18	15
Flow m/h	65.2	57.8	50	43.1	36.5

* 35% bed expansion

NXMF

Distributed By:

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