

JelCleen* 1000 Filtration Media

Features

- Typically exceeds multi-media performance, producing filtrate quality comparable to microfiltration systems.
- Continuous coagulant addition is not required as the coagulant is bonded directly to the filtration media.
- Easily retrofitted into existing filter housings.
- Requires no ripening period following backwash.
- Backwash rates are reduced significantly as compared to conventional filters.
- Provides lower operating costs than conventional filters.

Description

JelCleen 1000 is a patented filtration medium that is designed to operate without the need for continuous coagulant addition. Filters using JelCleen 1000 produce filtrate quality at least equal to multimedia filters, often approaching the removal efficiency of microfiltration.

Properties

Appearance:	Bluish opaque spherical particle
Bulk Density:	97 lb/ft ³ (1553.8 kg/m ³)
Effective Size	0.260 to 0.330 mm
Uniformity Coefficient	<1.7
Specific Gravity	2.3 to 2.6

Application

Activation - JelCleen 1000 filtration media must be activated with JelCleen JPC700 before it is put into service. The media must also be reactivated regularly. Reactivating frequency varies typically from every 3 weeks to once or twice per year, and is determined based on site-specific performance.

Before activating the media, it must be cleaned using JelCleen JCL711 to remove accumulated organic

material and other contaminants. See the JPC700 and JCL711 Product Fact Sheets for cleaning and activation instructions.

Service Length - Backwash of the JelCleen media is initiated generally when one of the following events occur:

- Based on time: filters are often backwashed on a regular cycle to avoid mudball formation.
- Based on differential pressure: in some cases, differential pressure may be correlated with turbidity breakthrough. Filters must be backwashed before reaching this limiting differential pressure.

Your GE representative can assist you with additional details on the application and use of the JelCleen filtration media

Operating Parameters

pH range:	4 to 9
Maximum temperature:	2 to 50°C (35.6 to 122°F)
Service Flow Rate:	2 to 7 gpm/ft ² (82 to 423 Lpm/m ²)
Minimum bed depth	30 in (762 mm)
Backwash Flow Rate:	8 to 12 gpm/ ft ² (326 to 489 Lpm/m ²)

Please consult with your GE representative regarding chlorine levels, as the ability of JelCleen to tolerate chlorine and chloramines is dependent on site-specific conditions.

Packaging Information

This product is available in 49 lb (20.9 kg) bags. Contact your GE representative for details.

Safety Precautions

A Material Safety Data Sheet containing detailed information about this product is available on request.



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