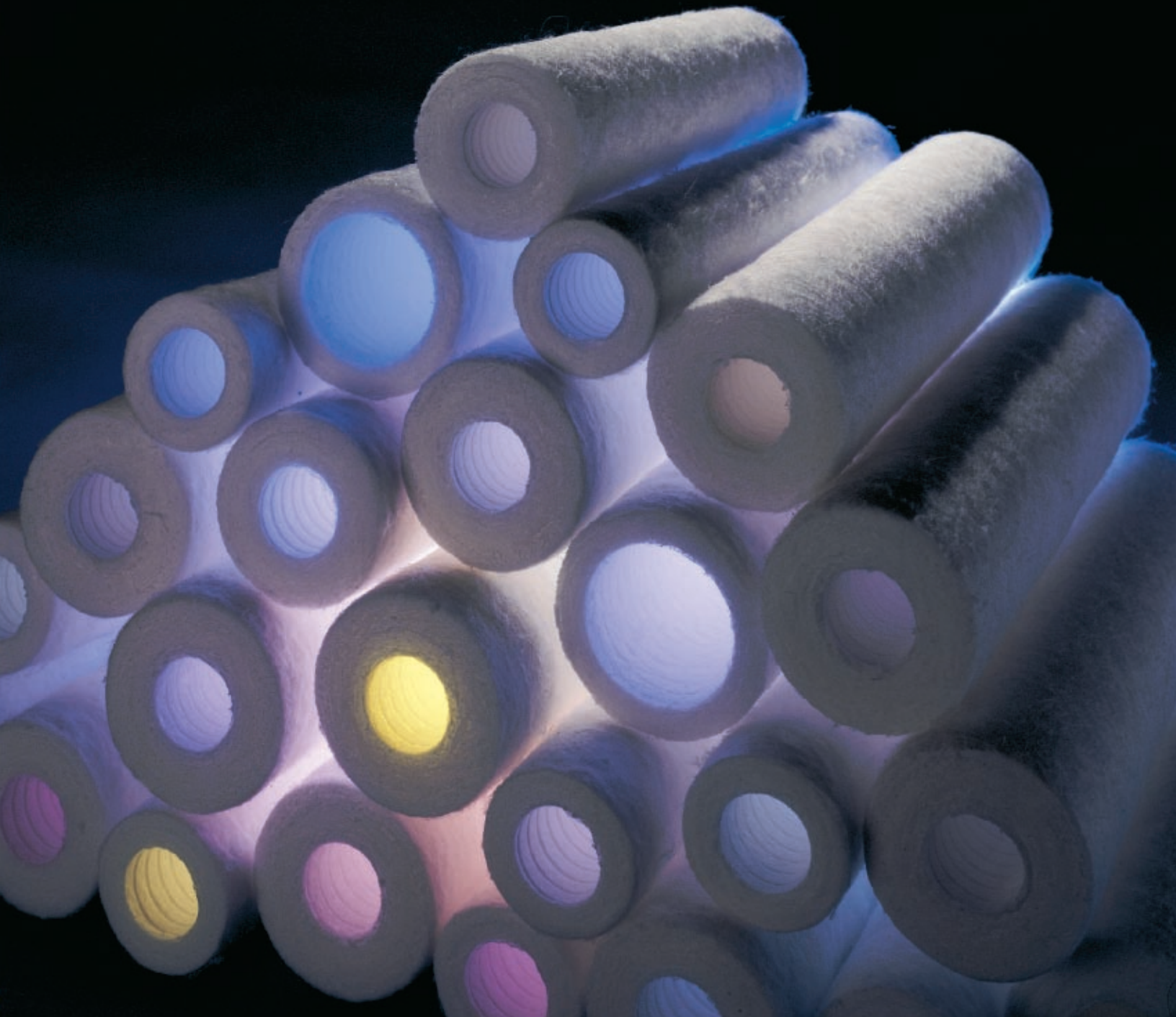


# HYDRO-CURE<sup>®</sup>

## MELT BLOWN FILTRATION TECHNOLOGY



## The Company...

For over 50 years Clack Corporation has been one of the world's leading manufacturers and distributors of water treatment components and drinking water products. Clack manufactures and distributes the industry's most complete line of products and components for residential, commercial and industrial water conditioning equipment.

In 1995 Clack Corporation developed and introduced Hydro-Cure® melt blown polypropylene sediment cartridges. Designed initially for the potable water market, today these cartridges are used in a wide variety of applications where economical filters are required.

## The Process...

Clack Hydro-Cure® Cartridges are manufactured on state-of-the-art production equipment using a computer controlled process to ensure reliability and performance. Molten polypropylene is extruded into a high velocity air stream. The semi-molten fibers are collected and cooled on our patented take-off system.

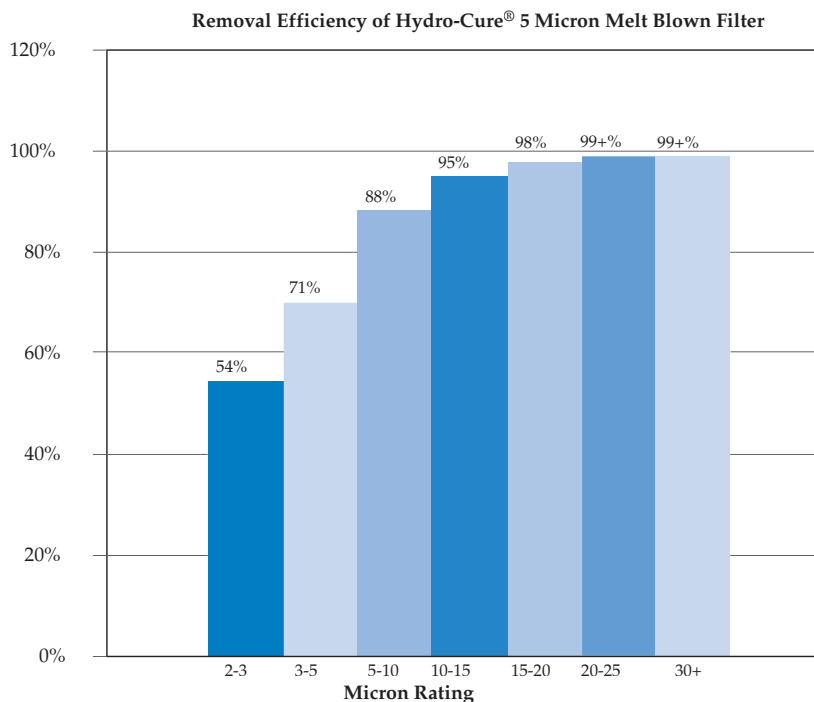
Gradient depth filtration is achieved with our technically advanced die design. The inner most fibers form a tight self supporting matrix which eliminates the need for a separate center core and provides exceptional strength.

## The Product...

As a depth filter, Hydro-Cure® sediment cartridges trap particles throughout the entire cross section of the filter. Larger particles are trapped on or near the surface of the filter and the smaller particles are trapped throughout the inner layers of the cartridge. The gradient density design allows for optimum dirt holding capacity and minimal change-outs.

Hydro-Cure® melt blown filter cartridges are made of polypropylene resin meeting FDA regulation 21CFR177.1520. No binders, lubricants or anti-static agents are used in our manufacturing process. Clack melt blown polypropylene filters have been tested and certified under NSF/ANSI Standard 42 for material requirements only. The inert polypropylene resin provides exceptional chemical compatibility to handle a wide range of process fluids.

Hydro-Cure® cartridges are designed for knife edge seal housings to provide a positive seal without the use of end caps or gaskets. Hydro-Cure® cartridges are interchangeable with most standard pleated, string wound and other melt blown cartridges.



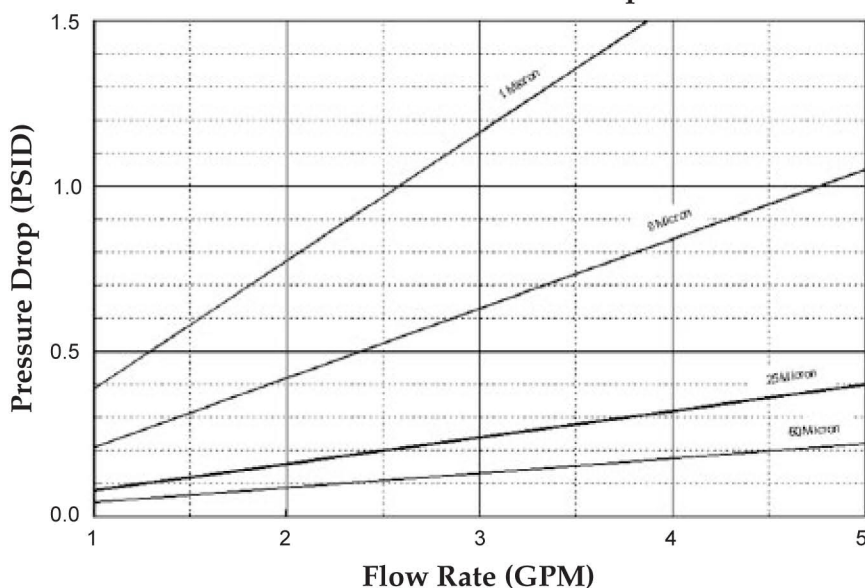
Cartridge micron rating is nominal. Data is representative of typical filter performance, on initial startup, using ISO 12103-A2 fine test dust. Data is not in accordance with NSF/ANSI 42 standard procedures.

Hydro-Cure® cartridges are designed to provide high flow rates with minimum pressure drop. Flow rates of up to 5 gpm per 10" length are recommended and should not exceed 10 gpm per 10" length for optimal efficiency. The maximum operating temperature is 125°F (52°C).

Hydro-Cure® filters are available in 1, 5, 25 and 50 micron ratings and will fit most standard filter housings. Standard filter lengths of 9 7/8", 20", 30", 40" and 50" are available. Cartridges are individually shrink wrapped and labeled. Hydro-Cure® sediment filters have the micron rating embossed on the side of every cartridge for easy identification.

Specialty lengths, diameters, micron ratings and private labeling are available. Please contact our Sales Department for further information.

**Hydro-Cure®**  
**9 7/8" Sediment Filter Pressure Drop vs. Flow Rate**



Hydro-Cure® filters are tested and certified by NSF International against NSF/ANSI Standard 42 for material requirements only.

COMPONENT

Standard Filter Length	Filter I.D.	Filter O.D.	# of Cartridges Per Carton	# of Cartridges Per Pallet	Nominal Micron Ratings*
9 7/8" (25.1 cm)	1 1/16" (2.7cm)	2 1/2" (6.4 cm)	24	1,512	1,5,25,50
20" (50.8 cm)	1 1/16" (2.7cm)	2 1/2" (6.4 cm)	25	900	1,5,25,50
30" (76.2 cm)	1 1/16" (2.7cm)	2 1/2" (6.4 cm)	15	480	1,5,25,50
40" (101.6 cm)	1 1/16" (2.7cm)	2 1/2" (6.4 cm)	15	360	1,5,25,50
50" (127.0 cm)	1 1/16" (2.7cm)	2 1/2" (6.4 cm)	15	240	1,5,25,50

\*Micron rating is nominal. Installation and housing design can affect performance. Hydro-Cure® melt blown polypropylene filters are designed for sediment reduction from potable water. These filters will not remove cysts, bacteria or viruses.

Hydro-Cure® is a federally registered trademark of Clack Corporation.  
U.S. Patent No. 5,366,576 \ 5,672,232 Canadian Patent 2,160,261, Taiwan Patent 089113