



**Hardy Filtration**

*Integrated filtration solutions: air, water & oil*



## DGD Series Dual-Gradient density Cartridges

**AMETEK**

### Description

#### Dual-Gradient Density Cartridges

- » **Manufactured from 100% pure polypropylene**
- » **Designed for purity, with bacteria and chemical resistance**
- » **Two separate gradient density layers enhance cartridge performance**
- » **Three times the dirt-holding capacity of similar sized sediment cartridges**

**DGD Series** cartridges are manufactured from 100% pure polypropylene and are sized for use in our Big Blue® filter housings.

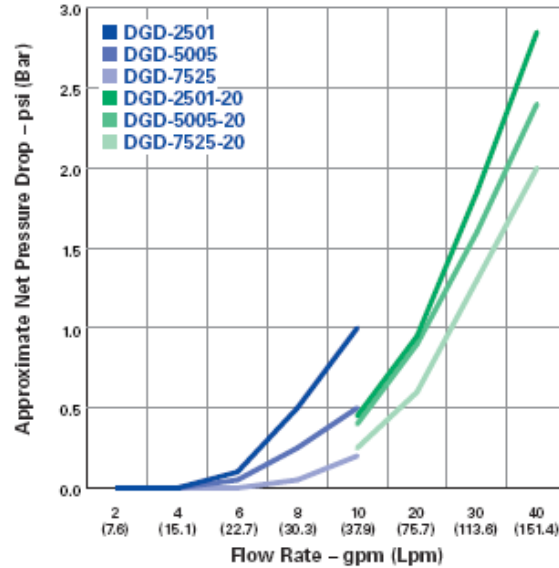
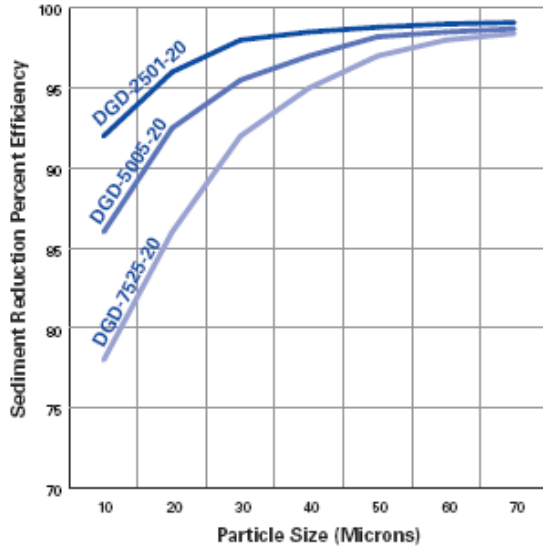
**DGD Series** cartridges are designed for purity and will not impart taste, odor or color to the liquid being filtered. Additionally, the polypropylene construction provides superior chemical resistance and is not prone to bacterial attack.

The DGD Series advanced design combines selective “final filtration” with appropriate “pre-filtration” to achieve up to three times the dirt-holding capacity of similar size sediment cartridges and many more times that of standard spun or string-wound cartridges. This performance enhancement is achieved by combining two separate gradient layers in one filter.

The larger diameter of the pre-filter reduces the particle load to the post filter, allowing it to operate at higher velocities. The effective filter depth is increased to a full 233% of standard spun-polypropylene or string-wound filters. This increased depth provides for very high particulate reduction efficiencies and added loading capacity.

The unique design and performance characteristics of the DGD Series cartridges make them an excellent choice for all residential, rural, municipal and commercial applications.





Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

## Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating* (nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
DGD-2501	4½" x 10" (114 mm x 254 mm)	Pre-filter: 25 Post filter: 1	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
DGD-5005	4½" x 10" (114 mm x 254 mm)	Pre-filter: 50 Post filter: 5	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
DGD-7525	4½" x 10" (114 mm x 254 mm)	Pre-filter: 75 Post filter: 25	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
DGD-2501-20	4½" x 20" (114 mm x 508 mm)	Pre-filter: 25 Post filter: 1	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
DGD-5005-20	4½" x 20" (114 mm x 508 mm)	Pre-filter: 50 Post filter: 5	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
DGD-7525-20	4½" x 20" (114 mm x 508 mm)	Pre-filter: 75 Post filter: 25	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)

\* Based on manufacturer's internal testing

## Materials of Construction

**Filter Media:** Polypropylene  
**Temperature Rating:** 40°F to 145°F (4.4°C to 62.8°C)

**WARNING:** Do not use water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Hardy Filtration Inc. reserves the right to make changes without notice.