

## Duo-Fine® GT Series Filter Cartridges

### High Performance Pleated Filter Cartridges

- High surface area provides significantly higher contaminant-holding capacity than wound or sock type filter cartridges
- Rigid pleat structure withstands high differential pressures during system start-up
- Available in standard lengths to retrofit most competitive housings

### Performance Specifications

#### Filter grade

3 micron (nominally rated)

#### Recommended change-out differential pressure<sup>1</sup>

2.4 bard (35 psid)

#### Maximum differential pressure

6.9 bard (100 psid) @ 20°C (68°F)

3.4 bard (50 psid) @ 65°C (150°F)

### Product Specifications

#### Materials of construction

|                   |  |
|-------------------|--|
| Filter media:     | Borosilicate microfiberglass with acrylic binder                                   |
| Support material: | Polypropylene  |
| Hardware:         | Polypropylene  |
| Gaskets/O-rings:  | Nitrile (standard), fluorocarbon elastomer, silicone elastomer, hydrocarbon rubber |

#### Dimensions (nominal)

Outside diameter: 6.6 cm (2.6 in)

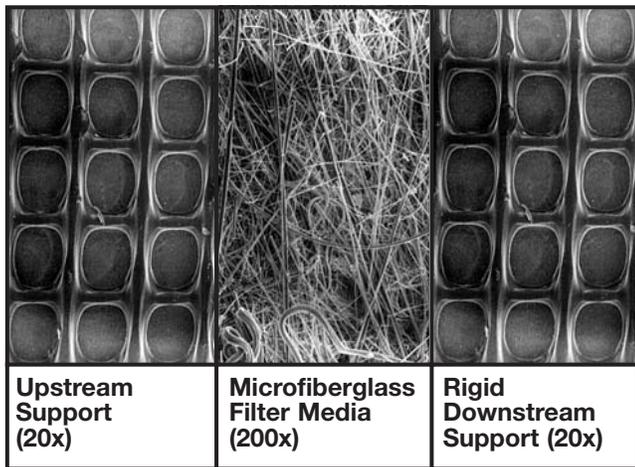
Inside diameter: 2.78 cm (1.09 in)

Lengths: 25.4 cm (10 in), 50.8 cm (20 in),  
68.6 cm (27 in), 76.2 cm (30 in),  
91.4 cm (36 in), 101.6 cm (40 in)

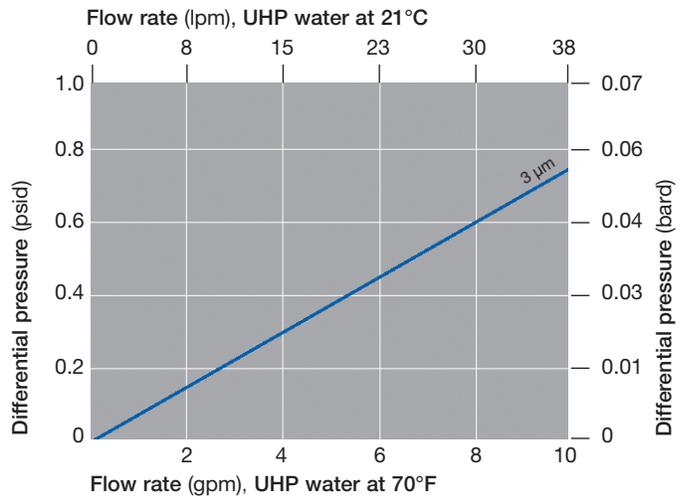


<sup>1</sup> Provided that the maximum differential pressure is not exceeded based on temperature limits defined above.

## Micrograph of Duo-Fine GT Series Filter Media



## Typical Flow vs. Differential Pressure for Application Sizing



Unit conversion: 1 bar = 100 kPa

Flow rate is for a 25.4 cm (10 in) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP).

## Ordering Information

Pall Part Number = DFGT 1 - 2 U 3 - 4

Table 1

| Code | Filter grades |
|------|---------------|
| 3    | 3 µm          |

Table 2

| Code | Cartridge lengths (cm/in) nominal |
|------|-----------------------------------|
| 10   | 25.4/10                           |
| 20   | 50.8/20                           |
| 27   | 68.6/27                           |
| 30   | 76.2/30                           |
| 36   | 91.4/36                           |
| 40   | 101.6/40                          |

Table 3

| Code | Gasket/O-ring materials |
|------|-------------------------|
| S    | Silicone                |
| N    | Nitrile (standard)      |
| E    | Hydrocarbon rubber      |
| V    | Fluorocarbon elastomer  |

Table 4

| Code | End configurations   |
|------|--|
| DOE  | DOE with elastomer gasket seals & end caps   |
| M3   | SOE flat closed end, external 222 O-rings (retrofits other manufacturers' Code 0) <sup>2</sup> |

<sup>2</sup> For details, contact Pall Corporation.



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