



## GUARDFLOW Filter Cartridges

■ liquid / gas filters

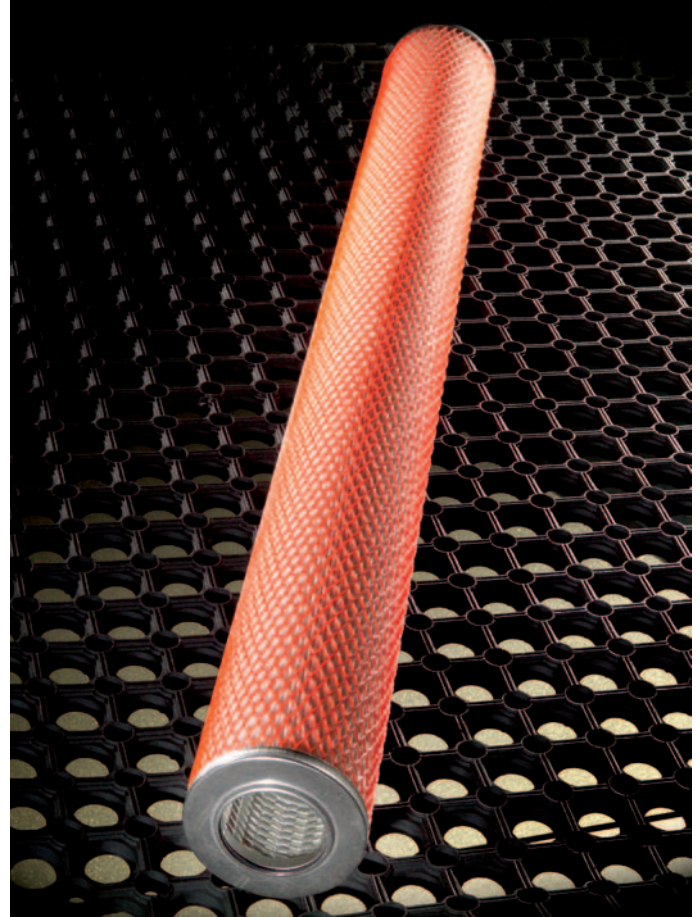
**GUARDFLOW absolute rated pleated filter elements are designed for use in the high pressure / differential pressure environments of the oil and gas industries.**

Typical applications include high pressure well stimulation using acids, organic solvents etc, injection testing with seawater and continuous water injection in the secondary and tertiary oil production phases where line pressure of 5000 psig and differential pressures of 150 psi are not uncommon.

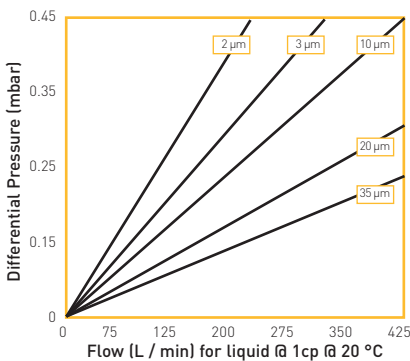
Parker domnick hunter have supplied low and high pressure elements into oil and gas applications for many years and currently supply a large proportion of the consumables used worldwide. This experience has aided the evolution of the GUARDFLOW series enabling a design which optimises service life, filtrate quality with unit cost.

### Features and Benefits

- Designed specifically for oil / gas industry
- Robust construction for harsh environments
- Available from 1 to 35 microns
- Available in polypropylene, polyester or cellulose media



## Performance Characteristics



Cartridge flow rates

# GUARDFLOW Filter Cartridges

## Specifications

### Materials of Construction

■ Filtration Media:	Polypropylene, Glass Fibre / Polyester, Cellulose
■ End Caps:	316L Stainless Steel
■ Standard o-rings / gaskets:	Nitrile, EPDM, Silicone, Viton

### Recommended Operating Conditions

Max Temperature:	135 °C (275 °F)
Max Differential Pressure:	10 bar

### Specifications

Outer Diameter:	95 mm (3.7")
Inner Diameter:	55 mm (2.2")
Fitting:	S.O.E. Internal o-ring
Max Temperature:	70 °C (158 °F) PP 120 °C (248 °F) GF / Cellulose
Length:	985 mm (38.8")

### Fluid Processing

Solvents, acids, chemicals, hydrocarbons, water and other fluids used in refinery, chemical and petrochemical processing always carry some harmful particles that must be removed. GUARDFLOW cartridges provide the fine filtration necessary to adequately clean up these fluids. Their durability, high filtration area and high dirt capacity have proven to be most beneficial for this type of filtering.

### High Pressure Gas Streams

Finer grades of the GUARDFLOW cartridge, offered for use in gas systems, will remove over 99.98% of all solid aerosols suspended in a gas stream. The effluent gas, produced after filtration, will not plug sensitive instruments or foul critical machine components such as a compressor or turbine blades.

### High Pressure Water Injection and Disposal

The GUARDFLOW high pressure filter cartridge provides consistent high quality injection fluids for your waterflood and enhanced oil recovery operation. Injecting high quality fluids reduces formation damage, maintains stable injection profiles, and increases sweep efficiency that lowers operating expenses because of less frequent workovers.

### Functional Design

Since all GUARDFLOW cartridges intrinsically provide positive sealing, no expensive internal hardware is needed to secure the cartridge within the housing. The functional single internal o-ring design allows for quick and easy element installation and removal, resulting in lower maintenance costs, minimum operator attention and reduced system downtime.

## Ordering Information

<b>G3H</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>S6P</b>	<input type="checkbox"/>	<b>HP</b>
<b>Code   Micron</b>	<b>Code   Material</b>		<b>Code   O-ring Material</b>		
01 1 µm 02 2 µm 05 5 µm 10 10 µm 20 20 µm 35 35 µm	02 Glass Fibre / Polyester 03 Cellulose T5 Polypropylene		N Nitrile E EPDM S Silicone V Viton		

