

## MAGNEX JET

- High dirt holding capacity
- High effective filtering area using SE-TECH technology
- Enable the use of fewer filter elements and smaller housings
- Time reduction in change out operation
- EC-listed materials for Food contact
- Hot-melt assembling process



MAGNEX JET is designed to filter large volume of liquids with high level of contamination and to retain particulates with efficiency higher than 99,5%.

The incorporated SE-TECH technology allows to achieve optimal flow distribution between the media and the internal core, avoiding restriction and exploiting the full filtration surface area to generate higher throughput and service life.

The cartridges are well suited for fluids with high level of contamination or upstream protection of membrane cartridges.

The materials of construction are chemically and biologically inert and meet international requirements for Food contact.

Manufacturing is performed in a controlled environment to guarantee high standard quality.

### MATERIAL OF CONSTRUCTION

|                            | CODE GD and GG         | CODE GGC                                  | OTHER CODES            |
|----------------------------|------------------------|---|------------------------|
| <b>Filter media</b>        | microfiber             | microfiber of borosilicate + nanofiber PP | polypropylene          |
| <b>Upstream supports</b>   | polypropylene          | polypropylene                             | polypropylene          |
| <b>Downstream supports</b> | polypropylene          | polypropylene                             | polypropylene          |
| <b>Internal Core</b>       | extruded polypropylene | extruded polypropylene                    | extruded polypropylene |
| <b>External Cage</b>       | extruded polypropylene | extruded polypropylene                    | extruded polypropylene |
| <b>End caps / Adapters</b> | polypropylene          | polypropylene                             | polypropylene          |

### FOOD-SAFETY

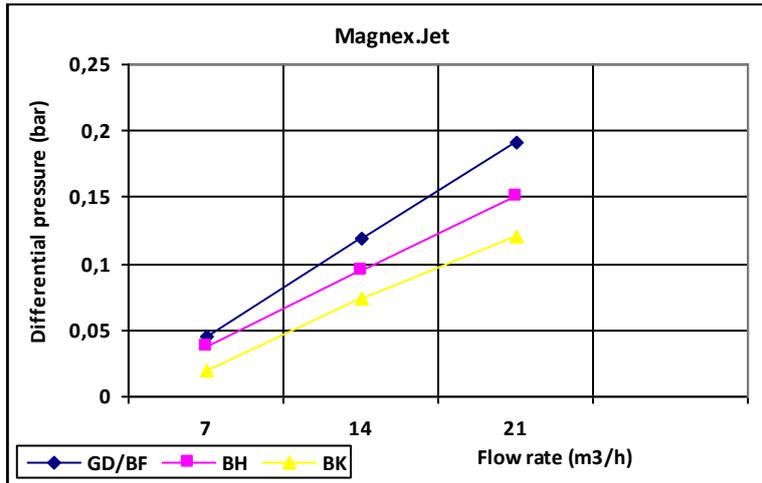
MAGNEX JET filter elements materials meet (EU) regulation 10/2011 and its amendments, regulations (EC) 1935/2004 and 1895/2005.

### OPERATING CONDITIONS

|  |  |
|--|--|
| - max. continuous temperature                  | 65 °C  |
| - sanitization with chemicals                  | Can be sanitized by standard chemical agents |
| - max. differential pressure                   | 3,5 bar at 25 °C                             |
| - recommended change out differential pressure | 2,0 bar at 25 °C                             |

| CODE | FILTRATION RATING IN LIQUIDS | MAX. FLOWRATE FOR LENGTH 39"<br>m <sup>3</sup> /h |
|------|------------------------------|---|
| GD   | 1,0 µm                       | 8   |
| GG   | 2,5 µm                       | 8   |
| BF   | 1,0 µm                       | 10  |
| BH   | 5,0 µm                       | 10  |
| BK   | 10,0 µm                      | 15  |
| BM   | 25,0 µm                      | 15  |
| BR   | 50,0 µm                      | 15  |
| BT   | 100,0 µm                     | 15  |
| GGC  | 0,5 µm                       | 7   |

## WATER FLOW RATE FOR 39" CARTRIDGE



## MAGNEX JET ORDERING INFORMATION

**M P M - 170 1 - BH - GG - SB -**

| FILTER MEDIA   | CODE     |
|--|----------|
| Polypropylene  | <b>P</b> |
| Microfiber of borosilicate with support in PE (only for grade GD and GG) | <b>G</b> |
| Microfiber of borosilicate + nanofiber PP                                | <b>N</b> |

| EXTERNAL DIAMETER mm | END FITTING                     | CODE       |
|----------------------|---------------------------------|------------|
| <b>170</b>           | <b>SOE</b><br>One open end only | <b>170</b> |

| FILTRATION RATING micron | CODE       |
|--------------------------|------------|
| 1,0                      | <b>GD</b>  |
| 2,5                      | <b>GG</b>  |
| 1,0                      | <b>BF</b>  |
| 5,0                      | <b>BH</b>  |
| 10,0                     | <b>BK</b>  |
| 25,0                     | <b>BM</b>  |
| 50,0                     | <b>BR</b>  |
| 100,0                    | <b>BT</b>  |
| 0,5                      | <b>GGC</b> |

| CODE     | GASKETS    |          |
|----------|------------|----------|
| No code  | Standard   | Silicone |
| <b>N</b> | On request | Buna N   |
| <b>V</b> | On request | Viton    |

| CODE      | PACKING TYPE |
|-----------|--------------|
| <b>SB</b> | Single box   |

| CODE       | PRODUCT GRADE                |
|------------|------------------------------|
| <b>GG</b>  | General Grade; non prefluxed |
| <b>BG*</b> | Prefluxed with water         |

\*only for GD and GG filtration rating containing microfiber of borosilicate

| CODE     | NOMINAL LENGTH |
|----------|----------------|
| <b>1</b> | 39"            |
| <b>2</b> | 60"            |

Data contained in this bulletin are informative and subject to change without notice. User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.

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