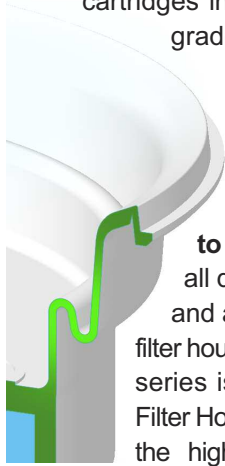


## acuraMeltflow PRO<sup>+</sup> EXTENDED High Performance Filter Element

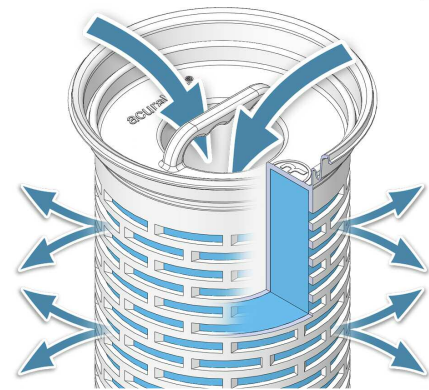
acuraMeltflow PRO<sup>+</sup> EXTENDED High Performance Filter Elements combine the advantages of conventional filter bags and filter cartridges in one filter element. The **thermally bonded** graded-density structure of this polypropylene depth cartridge is functioned with coarse fiber in inner layer and fine fiber in outer layer. This structure allows the retaining of dirt particles with different sizes. Similar to the filter bag, the **filtration will be from the inside to the outside**. While replacing the filter element, all dirt particles will retain inside the filter element and avoid a contamination of the clean side of the filter housing. The innovative acuraMeltflow PRO<sup>+</sup> EXTENDED series is specially designed for the Multi Extended Filter Housings 4, 6, 8BFOS-EXT series in order to meet the highest performance and quality requirements.



EXT



Functional principle:

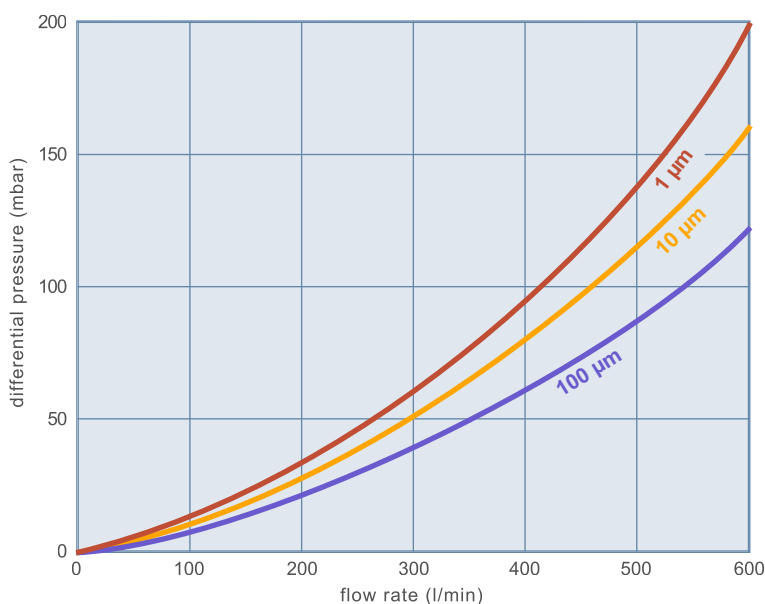


### TECHNICAL DATA

acuraMeltflow PRO<sup>+</sup> EXTENDED

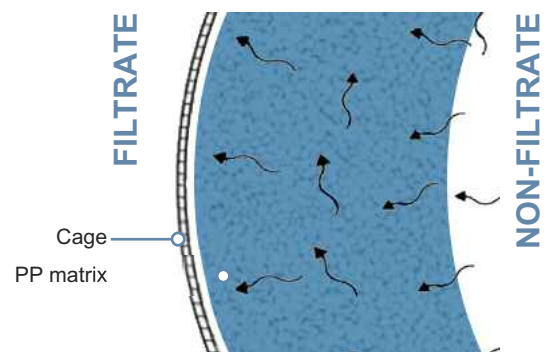
Material		Micron rate	Temperature
Polypropylene (PP) Polyester (PBT)		1 - 100 µm	PP: max. 80°C PBT: max. 100°C
Δp 20°C	Δp 80°C	Filter area	Filter matrix
PP: 2.4 bar PBT: 2.4 bar	PP: 1.0 bar PBT: 1.0 bar	ca. 0.38 m <sup>2</sup>	25 mm

### FLOW RATE



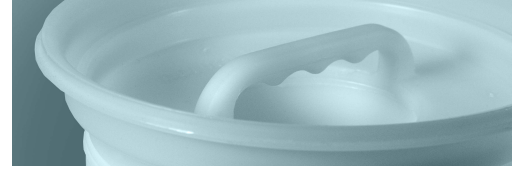
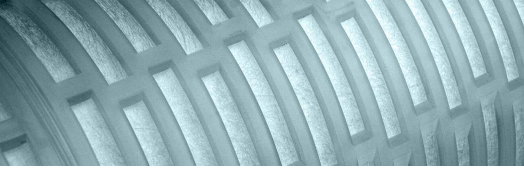
Subject to technical alterations.  
AL1114-00-E - page 1/2

### FUNCTIONAL PRINCIPLE



acuraMeltflow PRO<sup>+</sup> EXTENDED High-Performance Filter Elements will be flown from the inside to the outside. This deep filter matrix allows a high load capacity and long service life. The asymmetric pore structure ensures an optimal dirt load of particles with different sizes.

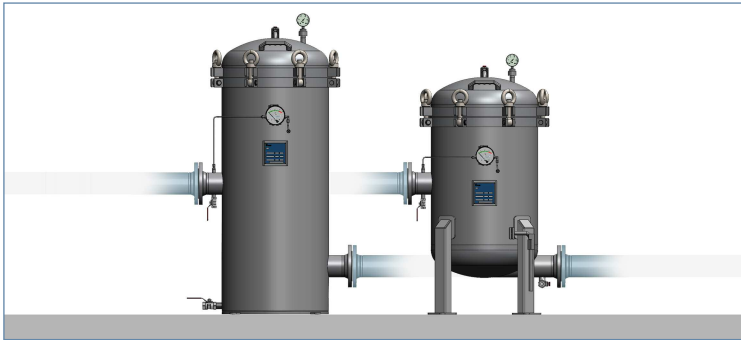
acuraLine®



### APPLICATIONS

- Grinding processes
- Cooling tower
- Process water
- Cleaning solutions
- Heating installation
- Water supply
- Petrochemistry
- Hydrocarbons
- Heat exchanger protection
- Storage tank protection / filling

### UPGRADE MADE EASY - EXTEND YOUR PROCESS



identical connection dimensions for easy replacement (left: 4BFOS-EXT1200; right: 4BFOS2)  
> 50% more filter area with the same footprint and only approx. 300 mm higher

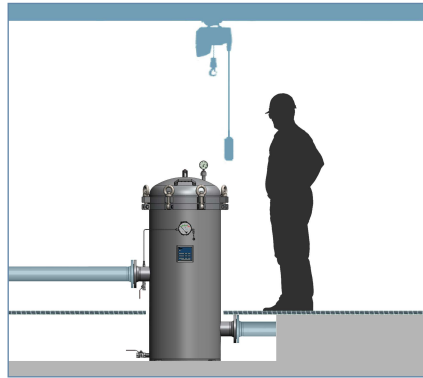


This innovative product is protected with an international design registration. 

### INSTALLATION SITUATIONS



shaft / overflow basin installation



recessed installation with hoist



horizontal installation (cover swivel device)

### ORDERING INFORMATION F. ELEMENTS *acuraMeltflow PRO<sup>+</sup> EXTENDED*

#### EXT1200-MFP-010

**Element size**  
EXT1200 = nom. 1200 mm  
EXT2000 = nom. 2000 mm

**Design type**  
MF = *acuraMeltflow PRO<sup>+</sup>*

**Micron rate**  
001 = 1 µm  
005 = 5 µm  
010 = 10 µm  
020 = 20 µm  
050 = 50 µm  
075 = 75 µm  
100 = 100 µm

**Material**  
P = Polypropylene  
PBT = Polyester

### PERFORMANCE

- High dirt load
- High flow rate
- Very large filter area
- Compact, space-saving design
- Easy and clean handling
- No contamination during replacing
- Low differential pressure
- By-pass free filtration
- Minimal set-up costs

Subject to technical alterations.  
AL1114-00-E - page 2/2

**acuraLine<sup>®</sup>**