

# FILTERS

## Stainless Steel In-Line Filter - MPF-80-200



Dirt particles in coolants often result in blockages in small cooling channels and can render mould inserts useless. This maintenance friendly Mouldpro stainless steel in-line filter MPF-80-200 offers superior low cost protection against foreign body particles, in particular for conformal cooling channel of injection moulding tools.

The filter can be flanged to the mould or operated in conjunction with temperature control units.

### Sure protection of your temperature cooling channels

High filter performance is based on a starshaped folded stainless steel sieve that prevents the ingress of all particles of  $>200\ \mu\text{m}$  into the cooling channel.

### Versatile use

The filter is suitable for use with water- or oil-based coolants with a flow volume of up to 80 l/min and offers versatile application possibilities within a temperature range of  $-10$  to  $260^\circ\text{C}$ .

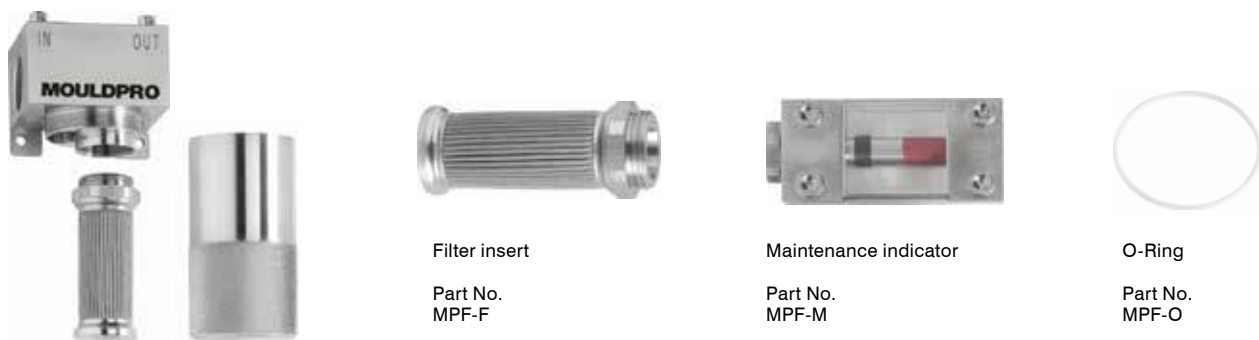
### Simple maintenance

A maintenance friendly concept allow easy removal of the filter insert, which can be cleaned with compressed air, in an ultrasound bath or by means of a high pressure cleaner. The filter housing remains in the system circuit.

The MPF-80-200 can be supplied with an optional maintenance indicator.

All advantages at a glance:

- Low cost with high filter performance
- Simple maintenance and cleaning
- Suitable for high flow volumes
- Large temperature range



Technical data	
Material	Stainless steel 1.4305
Connection thread	G 3/4"
Coolant	Water / oil
Pressure range	PN 16
Operating temperature	$-10^\circ\text{C}$ / $260^\circ\text{C}$
Seal	PTFE
Dimensions	76 x 56 x 131 mm (L x W x H)
Weight	approx. 1.3 kg

#### Design according to:

Pressure Equipment Directive 97/23/EU, pressure equipment type acc. to Art.

1: container, fluid acc. to Art. 9: group

2: others acc. to Art. 3, para.

3: good engineering practice, suitable for max. 1,000 full cycle motions.

Filter insert	
Material	Stainless steel 1.4305, adhesive-free, rolled
Mesh width	200 $\mu\text{m}$
Filter surface	approx. 150 $\text{cm}^2$
Connection	Thread connector
Dimensions	$\varnothing 32 \times 76$ mm

Maintenance indicator (optional)	
Principle	Differential pressure measurement
Seal	PTFE O-ring
Dimensions	45 x 30 x 66 mm (L x W x H)

O-Ring	
Material	PTFE
Dimensions	$\varnothing 45 \times 1.5$ mm