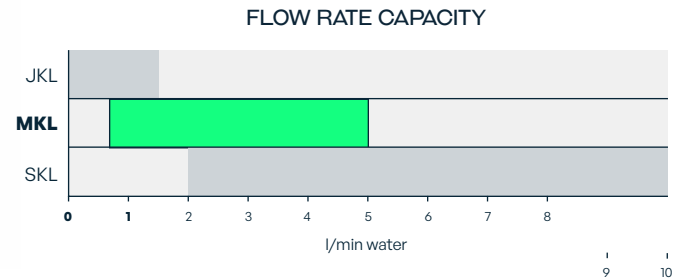


# PUREFLO® MKL POLYPROPYLENE CAPSULES

arranged.



Positioned between the JKL and SKL capsule series, the MKL capsule is for small volume batch filtration or applications with low flow rates.

- economical, quick and easy installation
- no housing required
- a choice of **18 connections/fittings!**
- vent and drain are molded into the capsule
- all thermally welded Polypropylene construction
- no o-rings (except on quick fittings) nor metallic parts
- low dead space = low product loss
- available in **3 different Polypropylene filter media configurations, ranging from 0.3 to 70 micron**, **P** (Standard pleated PP), **HP** (High Performance pleated PP) and **DP** (Depth Pleated PP) less surface area but much depth filter structure
- **PTFE** and **PES** membranes
- MZP (PES membrane) or MKP (PTFE membrane) are the pharmaceutical grades of MKL

## SPECIFICATIONS

|   |   |                 |
|---|---|-----------------|
| MATERIALS OF CONSTRUCTION:                    | Capsule shell, cages, core, end caps: — Polypropylene |                 |
|   | Filter Media: — See page 3                            |                 |
|   | Media Supports: — Polypropylene                       |                 |
|   | O-Rings on quick fittings: — Silicone, EPDM, NBR      |                 |
| FITTING CONNECTIONS:                          | See page 2  |                 |
| DIMENSIONS:                                   | Length: 74 mm (excl. fittings)                        | Diameter: 59 mm |
| MAX. OPERATING TEMPERATURE                    | 80 °C   |                 |
| MAX. OPERATING CONDITIONS FOR LIQUIDS AT 22°C | Operating Pressure: —                                 | 5.5 bar         |
|   | Forward Differential Pressure: —                      | 2.1 bar         |
|   | Reverse Differential Pressure: —                      | 1.1 bar         |



# MKL FITTING GUIDE

**1H**  
1/8" Hose barb



**2H**  
1/4" Hose barb



**3H**  
3/8" Hose barb



**5H**  
9/16" Hose barb



**2N**  
1/4" NPTM



**3NF**  
3/8" NPTF



**1Q**  
1/8" Male quick coupling (PMC/20-S)



**1QF**  
1/8" Female quick coupling (PMC/20-S)



**LF**  
Luer lock female



**2Q**  
1/4" Male quick coupling (PLC/40-S)



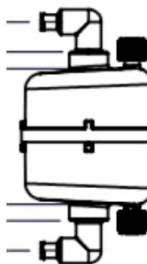
**2QF**  
1/4" Female quick coupling (PLC/40-S)



**MT**  
1/2" Tri Clamp



**LFE**  
Luer lock female, elbow



**LM**  
Luer lock male



**2C**  
1/4" Compression (Jaco compatible)



**2QP**  
1/4" Male quick coupling (APC/50-S)



**1QE**  
1/8" Male quick coupling, elbow



**2QE**  
1/4" Male quick coupling, elbow



## FILTER MEDIA GUIDE & MICRON RATINGS

### **POLYPROPYLENE :**

|                          |   |
|--------------------------|---|
| High Performance grade : | 0.3   0.6   1.0   3.0   5.0   10                  |
| Depth Pleated grade :    | 0.5   1   1.5   2.5   4.5   10                    |
| Standard grade :         | 0.6   1   3   5   7   10   20   30   40   50   70 |

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**GLASS FIBER :** 0.2 | 0.45 | 0.5 | 1 | 3 | 5 | 10

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**PTFE :** 0.1 | 0.2 | 0.45 | 1

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**PES :** 0.1 | 0.2 | 0.45 | 0.65 | 0.8 | 1.2

Data can change without prior notice. January 2025.