



**MINI** can be used in both liquid and air applications where nominal or absolute retention is required or pre-filtration to remove extremely fine particles desires to protect final filter.

Economical for expensive liquids filtration.

Compact and optimized cartridge design.

Manufacture in Class 10K clean room environment to ensure cleanliness.

100% integrity tested for all membrane filters.

Thermally bonded technique without adhesives, binders and surfactants eliminate extractable.

All parts and supporting layers are made of pure FDA approved Silicone-Free Non Foaming Polypropylene for contact with Food and beverage.

Suitable for use in both liquid and air filtration.

Wide range of chemical compatibility.

A guarantee quality product (ISO 9001 certified).

## DESCRIPTIONS

**MINI** cartridges are a high precision pleated filters designed for small flow and point-of-use applications.

**MINI** cartridges available in wide range of media materials, micron ratings and end configurations to suit your filtration needs.

## TECHNICAL SPECIFICATION

DESCRIPTION		TYPE A			TYPE B		TYPE C			TYPE D	
Dimension (mm)	Nominal Length	127	100	65	21	52	117	127	85	137	75
	Outer Diameter	68			65		65			55	
	End Style	116 Internal O-Ring With Closed End			015 External O-Ring With Closed End		2x118 External O-Ring With Closed End			116 Internal O-Ring With Closed End	
Materials	Media (Micron)	PES = 0.04, 0.1, 0.2, 0.45, 0.65, 0.8 and 1.2 um PTFE = 0.05, 0.1, 0.2, 0.45, 0.7 and 1.0 um APM = 0.1 and 0.2 um NY = 0.1, 0.2, 0.45 and 0.65 um FGP = 0.2, 0.45, 1, 3, 5, 10, 25 and 50 um AP = 0.1, 0.2, 0.45, 0.65, 0.8, 1, 3, 5, 10, 20 & 50 um									
	Support Layer	Pure FDA approved Silicone-free non foaming Polypropylene micro-fiber (Standard)									
	O-Ring	Standard = EPDM, V = Viton, S = Silicone, T = Teflon, FEP= Teflon Encapsulated Viton									
	Cage, Core and end adaptor	Standard = High Strength Pure Polypropylene RPG = Reinforced Polypropylene With Glass HPE = High Density Polyethylene									
	Operating Conditions	Max. Forward ΔP	5 Bar (73 PSI) At 65°C								
	Max. Oper. Temp.	65 – 80 °C (Depends on part, O-Ring and media materials).									

## ORDERING GUIDE

**KAREI-MINI-(MEDIA)-(MICRON)-(TYPE)-(LENGTH)-(O-RING MATERIAL)-(PARTS MATERIAL)**

**EXAMPLE:**

- 1) KAREI-MINI-AP-1-D-137 (MINI, PP, 1 um, Type D, 137mm, EPDM O-Ring, High Strength P.P. Parts Material))
- 2) KAREI-MINI-PES-01-A-65-V-RPG (MINI, PES, 0.1 um, Type A, 65mm, Viton O-Ring, Reinforced P.P. With Glass Parts Material)