# KAREI™



## 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.

# **TECHINICAL SPECIFICATION**

# MINI Series

**MINI** can be used in both liquid and air applications where nominal or absolute retention is required or prefiltration 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).

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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-	015 External O-	2x118 External O-	116 Internal
		Ring With Closed	Ring With Closed	Ring With Closed	O-Ring With Closed
		End	End	End	End
Materials		PES $= 0.04, 0.1, 0.2, 0.45, 0.65, 0.8$ and $1.2$ umPTFE $= 0.05, 0.1, 0.2, 0.45, 0.7$ and $1.0$ umAPM $= 0.1$ and $0.2$ um			
	Media				
	(Micron)	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)			
		Standard = EPDM, $V = Viton$ , $S = Silicone$ , $T = Teflon$ , FEP= Teflon Encapsulated			
	O-Ring	Viton			
	Case Core and	Standard = High Strength Pure Polypropylene			
	Cage, Core and	RPG = Reinforced Polypropylene With Glass			
	end adaptor	HPE = High Density Polyethylene			
Operating Conditions	Max. Forward $\Delta P$	5 Bar (73 PSI) At 65°C			
	Max. Oper. Temp.	$65 - 80 ^{\circ}\text{C}$ (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)

Note: We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the applications. Users are advised to make their own testing under actual condition to determine the safety and suitability of each product or product combination for their own purposes and applications. Buyers and users assume all responsibility for liability performance or damage. We reserve the entire right to modify the information without prior notice due to continuous R & D.