



Thermo Scientific Barnstead pretreatment selector guide

Use pretreatment when your feed water quality doesn't match the requirements for your system.

Water Type	Solutions	Voltage	Descriptions	Model Number
RO Water	DI 1500 cartridge Required only when feed water does not meet feed water requirements. Prolongs system cartridge life. For new installations, 04.1690 is a required hose kit to adapt cartridge to system.		stainless steel cartridge >	02.1500
Deionized or Distilled Water	Deionized and distilled water will meet the feed water requirements for the Thermo Scientific GenPure and MicroPure families. No pretreatment is typically required.			
Tap Water	Pacific TII and reservoir or LabTower TII Utilize a Type 2 system to pretreat the GenPure and MicroPure families			see pages 56-63
	Pretreatment Filter, 1 µm filter		10 inch 1 µm filter with housing >	09.4003
	Mix Multi Mini Water softener The softener is required for most customers who have unsoftened tap water, or a TIS of more than 10ppm. Additionally, you will need to replace the hardness stabilizer cartridge that ships with the unit with a 5 µm filter with activated carbon.		120V, 50/60Hz Mixed multi softener > 5 µm filter with activated carbon >	50129892 06.5201
			230V, 50Hz Mixed multi softener > 5 µm filter with activated carbon >	50130297 06.5201
Tap Water	Pretreatment Filter, 1 µm filter Ships with one 10 inch filter housing <i>It is ideal to place largest pore filter before smaller, so put the 5 µm filter with hardness stabilizer (ships with the unit) before the 1µm filter for optimal performance. Designed for customers without chlorine in their tap water – typically Europe and Asia Pacific</i>		10 inch 1 µm filter with housing >	09.4003
	Pretreatment Filter with carbon 5 µm filter with activated carbon, 1 µm filter Ships with two 10 inch filter housings <i>Designed for customers with chlorine in their tap water – typically North America, Latin America and UK</i>		5 µm filter with carbon > 10 inch 1 µm filter with housing >	50134022 09.4003
	Single Pretreatment System 5 µm filter with hardness stabilizer cartridge Ships with two 10 inch filter housings <i>Great option for customers with little/no chlorine in their tap water – typically Europe and Asia Pacific</i>		5 µm filter with hardness stabilizer >	09.4001
	Double Pretreatment System 5 µm filter with activated carbon cartridge, hardness stabilizer cartridge Ships with two 10 inch filter housings <i>Designed for customers with chlorine in their tap water – typically North America, Latin America and UK</i>		5 µm filter with carbon and a hardness stabilizer cartridge >	09.4000
	Triple Pretreatment System 5 µm filter with activated carbon cartridge, hardness stabilizer cartridge, 1µm filter Ships with two 10 inch filter housings		5 µm filter with carbon and a hardness stabilizer cartridge > 1µm filter >	09.4000 09.4003
Hard Tap Water	Mix Multi Mini Water softener The softener will remove hardness and protect the RO membrane. Additionally, you will need to add a 5 µm filter with activated carbon and a 1 µm filter. Ships with two 10 inch filter housings		120V, 50/60Hz Mixed multi softener > 5 µm filter with activated carbon > 1µm filter >	50129892 50134022 09.4003
			230V, 50Hz Mixed multi softener > 5 µm filter with activated carbon > 1µm filter >	50130297 50134022 09.4003
	Mix Multi Mini Water softener The softener will remove hardness to protect the RO membrane. Additionally, you will need to replace the hardness stabilizer cartridge that ships with the unit with a 5 µm filter with activated carbon.		120V, 50/60Hz Mixed multi softener > 5 µm filter with activated carbon >	50129892 06.5201
			230V, 50Hz Mixed multi softener > 5 µm filter with activated carbon >	50130297 06.5201

TYPE 1

TAP TYPE 1

TYPE 2

RO



GenPure	MicroPure	Smart2Pure	LabTower EDI*	Pacific TII	LabTower TII*	Pacific RO	LabTower RO*
✓	✓						
✓	✓						
		✓					
			✓				
					✓		✓
					✓		✓
				✓		✓	
				✓		✓	
				✓		✓	
					✓		✓

*Ships with 5µm filter with hardness stabilizer