



RapidHeat™ Sterilizer Instrument and Material Compatibility

Processing @ 375° F Cycle

Laboratory Tested Instrumentation

Instruments & Material Compatible with RapidHeat Sterilization:

- Surgical Instruments (400 & 300 Series Medical Grade Stainless Steel)
- Metallic Explorers, Probes, Pliers, Scalars, Curettes, Elevators, Retractors, Forceps, Dental Air-Driven & Electric Handpieces, Prophylaxis & Contra-Angle Handpieces, Burs (Stainless Steel & Tungsten-Carbide)
- Stones (Diamond & Polishing)
- Endodontic Instruments (reamers, files, broaches)
- Metal Impression Trays (Aluminum & Metal Chrome Plated) Electrosurgery Tips, Metal Implants, Dappen Dishes, Glass Slabs Silicone Rubber polishing wheels/disks/dam clamps, punches, frames Titanium, and Anodized Aluminum Surgical & Diagnostic Instruments Endo files, reamers, broaches with high-temp resistant resin handles, Ultrasonic Cavitron Inserts (Dentsply & Hu-Friedy)
- High Temperature Plier Grips
- Ortho Band Removers w/vinyl or silicone inserts
- Amalgam Pluggers w/vinyl, silicone, or nylon tips

Compatible Metallic Materials Typically Used in Medical Instrumentation

- Carbon Steel
- Stainless Steels (and all SS Alloys)
- Nickel, Copper, Titanium
- Aluminum (Including Chromium Coated and Hard Anodized)
- Synthetic Handpiece Lubricants containing no organic-based components

Compatible Plastics and Synthetic Rubber

VMQ – Elastomer (Silicone) FKM- Elastomer (Viton) TFE/P – Elastomer (Aflas) 446°F	PFA – Perfluoroalkoxy fluoropolymer (NeoFlon).....500°F	LCP – Liquid Crystal Polymer480°F
FEP – Fluorinated ethylene propylene (Teflon/Dyneon).....400°F	PPSU – Polyphenylsulfone (Radel-R)392°F	PI - Polyimide.....500°F
PAI – Polyamide-imide (Torlon, Tecator, Duratron, Dupon Vespel)500°F	PTFE – Polytetrafluoroethylene (Teflon/Rulon, Fluorosint)500°F	PPS – Polyphenylone Sulfide.....400°F
PEEK – Polyetheretherketone (Tecapeek, Sustapeek, Ketron) 480°F	PC – PolyCarbonate (PBT Blend – Glass Filled only).....572°F	FKM - Elastomer (Viton).....392°F
		TFE/P - Elastomer (Aflas).....400°F

Non-Compatible Plastics and Rubber

Natural Rubber.....180°F	Nitrile.....230°F	ABS176°F	Styrene196°F
PUR.....200°F	HDPE.....235°F	PPE180°F	PPO (Noryl)220°F
Neoprene248°F	PVC140°F	PC270°F	Latex.....240°F
PE235°F	Acrylic.....160°F	PET230°F	

