

SPECIFICATIONS OF MICROWAVE DIGESTION SYSTEM

Sr. #	Item	Qty
1.	<p><u>MICROWAVE DIGESTION SYSTEM</u></p> <p>1. Specifications:</p> <ul style="list-style-type: none">a. 1400 W microwave power output via two magnetrons that ensures fast and direct heatingb. An accurate immersing temperature probe in one reference vessel and an IR sensor underneath the cavity for sensing each vesselc. Max. temperature: 300-350 °Cd. Reaction Vessels Type: XF100 (HF resistant)e. No. of Reaction Vessels: 8 Nos.f. Volume capacity of vessels: 100 mL or equivalentg. Liner material: PTFE-TFMh. Pressure jacket: Ceramic or PEEKi. Controlled pressure: 40 bar (580 psi)j. Max. pressure: 80 bar (1000 psi)k. Test pressure: 140 bar (2000 psi)l. Protection against overheating with high boiling reagentsm. Simultaneous measurement of pressure & Tempn. PTFE-coated cavity for maximum corrosion resistance and easy cleaning and maintenanceo. One reference vessel with immersing temperature probe and pressure sensorp. Remote IR temperature control in all positionsq. Typical applications: Food samples, soil, metals, alloys, geological material, glass, quartz or ash <p>2. Limit of Supply</p> <p>Supply must include service and operational manuals in English along with relevant service drawings.</p> <p>3. Accessories</p> <p>06 Nos. of Reaction Vessels as spare part (Complete)</p> <p>4. Make/Model</p> <p>Anton Paar Austria, Model Multiwave 5000 or USA/Japan or European or equivalent.</p>	01 No.