



# 10 ltr Lab Scale ANFD

Model	ANFD 5	
Filter Area	0.02m <sup>2</sup>	
Material of Construction	Wetted parts: SS 316 Non-wetted parts: SS304	
Volume	5 Ltr.	
Design Pressure	Vessel: -1 to 4 bar	Jacket : 6 bar
Design Temperature	Vessel: -20°C to 150°C	Jacket: -20°C to 150°C
Nozzles & fittings	<ul style="list-style-type: none"> <li>• Compound pressure gauge (-1 to 6 bar),</li> <li>• pressure relief valve,</li> <li>• Ball valve with removable funnel for slurry inlet,</li> <li>• Dry air/N<sub>2</sub> purging valve,</li> <li>• vent valve,</li> <li>• Filtrate outlet/drain valve,</li> <li>• K-type temperature sensor.</li> </ul> <p><b>Note:</b> All valves shall be ball valves, made of SS316 &amp; valve end connection shall be Tri-clover connection.</p>	
Vessel and Lid sealing	Viton O-ring with quick opening TC clamp.	
Agitation	<p>Motorized agitation arrangement with bi-directional rotation and effortless up-down movement.</p> <p>It consists of a ¼ HP AC motor and gear box</p>	
Shaft sealing	Mechanical seal.	
Filter Basket	5µm pore size filter basket made of SS316 with support.	
Stirrer	2 bladed turbine impeller	
Heating	SS304 jacket	
Electric Control Panel	SS control panel with digital temperature indicator and high temperature alarm with variable frequency drive for 5 to 25 rpm infinitely variable speed, digital rpm indicator and bi-directional rotation.	
Power supply	1φ, 220VAC, 50Hz	
System Mounting	Table Top	