

Fractional Distillation Apparatus



1) Flat bottom, short neck boiling flask with a full length outer 24/40 joint. manufactured from borosilicate glass.

Specifications:

Height 248 mm / 9.75"

Diameter 168 mm / 6.6"

Joint Size 24 / 40

Capacity 2000 mL



Wall thicknesses are controlled for balance between thermal expansion and mechanical strength for greater shock resistance.

Normal working temperature 230° C

2) Vigreux fractional distillation column manufactured from borosilicate glass with inner and outer 24/40 joints. The vigreux column is constructed with indentations over the entire length to increase vapor-liquid contact.

Specifications:

Functional Length 300 mm / 12"

Overall Length 380 mm / 15.5"

Diameter 28 mm / 1.1"

Joint Size 24/40



3) Distillation adapter the side arm is positioned at 75° from the bottom inner joint and 75 mm from the top outer joint. This adapter will accept a standard 10/30 taper, 75 mm immersion thermometer.

Specifications:

Height 165 mm / 12"

Width 124 mm / 4.9"

Joint Size 24 / 40

Thermometer 10 / 30



4) Accusafe, precision red spirit filled 10/30 standard taper joint thermometer.

Specifications:

Range	Division	Immersion	Length
-10 to 250 °C	1.00 °C	75 mm 3.0"	350 mm 13.7"



5) The West condenser has a straight inner tube sealed in an outer water jacket. The narrow annular space between jacket and inner tube of the West condenser provides for excellent cooling efficiency due to the increased flow rate of water.

Specifications:

Functional Length	Overall Length	Joint Size	Hose Connections
300 mm / 12"	492 mm / 19.375"	24 / 40	10 mm / 0.4 "



6) Take off Adapter

Specifications:

Length	190 mm / 7.5"
Joint	24/40
Drip Tip Angle	105°



Regulatory compliances



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HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W: www.ais-india.com
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