

Pilot Freeze Dryer



BK-FD20S



BK-FD20T



BK-FD30S



BK-FD30T

Technical Parameters

| Model | BK-FD20S(Standard) | BK-FD20T(Stoppering) | BK-FD30S(Standard) | BK-FD30T(Stoppering) |
|--|---|-----------------------|--|------------------------|
| Freeze Drying Area | 0.3m ² | 0.2m ² | 0.4m ² | 0.3m ² |
| Shelf Temperature | -50℃→+70℃(no-loading) | | | |
| Cold Trap Temperature | <-75℃(no-loading) | | | |
| Vacuum Degree | ≤5 Pa(no-loading) | | | |
| Water Capture Capacity | ≥6 | | ≥8 | |
| Cold Trap Volume | 14L | | / | 26L |
| Cold Trap Size (Diameter*H) | Φ200*460mm | | / | Φ320*520mm |
| Drying Chamber Size (W*D*H) | 330*325*470mm | | 340*500*420mm | 480*380*540mm |
| Shelf & Tray Size(W*D*H) | Shelf: 400*270*18mm Tray: 395*265*25mm | | Shelf: 300*340*18mm Tray: 295*335*25mm | |
| Qty. Of Shelf & Tray | Shelf: 3+1, Tray: 3 | Shelf: 2+1, Tray: 2 | Shelf: 4+1, Tray: 4 | Shelf: 3+1, Tray: 3 |
| Sample Loading Capacity (Liquid) | 3L | 2L | 4L | 3L |
| Height Between Trays | 70mm | | 50mm | 70mm |
| Tray Temperature Difference | ±1℃ | | | |
| Refrigerant | R404A + R23 | | | |
| Condenser Cooling Mode | Air cooling | | | |
| Defrost Mode | Electric defrosting | | Natural defrosting (option electric defrosting) | Electric defrosting |
| Stoppering Mode | / | manual | / | automatic |
| Total Qty. Of Vial | Φ22mm | / | 440 | / |
| | Φ16mm | / | 868 | / |
| | Φ12mm | / | 1554 | / |
| Vacuum Pump | 4L/S(14.4m ³ /h) | | 6L/S(22m ³ /h) | |
| Electric Defrosting Consumption | 800W | 800W | / | 1000W |
| Silicone Oil Heating Rods Consumption | 800W | 800W | 1000W | 1000W |
| Hydraulic Pressure Station Consumption | / | 500W | / | 1000W |
| Total Consumption | 3KW | 3KW | 4.5KW | 5.5KW |
| Power Supply | AC220V, 50Hz/60Hz (single phase) | | | |
| Main Body Weight | 300kg | | 400kg | |
| External Size(W*D*H) mm | 840*750*1580mm | 840*750*1580mm | 920*780*1350mm | 1250*850*1420mm |
| Package Size(W*D*H)mm | Main Body | 960*860*1720mm(400kg) | 980*860*1720mm(470kg) | 1100*980*1570mm(450kg) |
| Gross Weight | Vacuum Pump | 950*420*500mm (37kg) | | 790*340*460mm (57kg) |
| | | | | 790*300*470mm (52kg) |

Optional: Import vacuum pump, Vacuum pump anti-return valve, Eutectic point tester, Oil mist filtration system, Vacuum adjustment device