

Vertical Freeze Dryer



BK-FD12S



BK-FD12P



BK-FD12T



BK-FD12PT

Technical Parameters

| Model | BK-FD12S(-60/-80) | BK-FD12P(-60/-80) | BK-FD12T(-60/-80) | BK-FD12PT(-60/-80) |
|--------------------------------|--|---------------------------------------|--------------------|---|
| Type | Standard chamber | Standard chamber with 8 port manifold | Stoppering chamber | Stoppering chamber with 8 port manifold |
| Freeze Drying Area | 0.12/0.18m ² | | 0.09m ² | |
| Tray | 4/6(Optional)pcs | | 3pcs | |
| Height Between Trays | 76/50mm | | 70mm | |
| Cold Trap Temperature | ≤-60°C/-80°C(Optional) | | | |
| Cold Trap Capacity | 9.3L | | | |
| Cold Trap Size(D*H) | Φ217*250mm | | | |
| Vacuum Degree | <10Pa | | | |
| Water Capture Capacity | 4kg/24h | | | |
| Tray Size (D*H) | Φ200*20mm | | | |
| Freeze Drying Time | 24h | | | |
| Loading Capacity/Shelf(Liquid) | 0.3L | | | |
| Total Loading Capacity(Liquid) | 1.2/1.8L | | 0.9L | |
| Drying Chamber Size(D*H) | Lower circle φ260mm Upper circle φ240mm Height 450mm | | | |
| Can Load Vials Qty | Φ22mm | 260 | 195 | |
| | Φ16mm | 480 | 360 | |
| | Φ12mm | 920 | 690 | |
| Refrigerant | R600a+R290+R23 | | | |
| Cooling System | Air cooling | | | |
| Consumption | -60°C: 0.9kW -80°C: 1.5Kw (Option) | | | |
| Power Supply | 220V/50Hz,60Hz (single phase);110V/60Hz (single phase, only for -60°C) | | | |
| Standard Accessory | -60°C Cold trap, Vacuum pump 2L/S, 8m ³ /h, Material tray, Material rack, PC cover (for all models) Conical-mouth flask 500ml*8 pcs, Switch valve*8 pcs (only for model BK-FD12P/PT) | | | |
| Optional Function & Accessory | -80°C Cold trap, Electric defrost function, Nitrogen gas filling valve, Oil mist filter (for all models) 800ml Wide-mouth flask (for BK-FD12P/PT) | | | |
| External Size(W*D*H) | 480*620*920/1370mm | | | |
| Package Size | Main Body | 730*600*1180mm (80kg) | | |
| | Drying Chamber | 620*400*400mm (15kg) | | |
| Gross Weight | Vacuum Pump | 570*360*240 (22kg) | | |



BK-FD18S



BK-FD18P



BK-FD18T



BK-FD18PT

Technical Parameters

| BK-FD18S(-56/-80) | BK-FD18P(-56/-80) | BK-FD18T(-56/-80) | BK-FD18PT(-56/-80) |
|--|---------------------------------------|-----------------------------|---|
| Standard chamber | Standard chamber with 8 port manifold | Stoppering chamber | Stoppering chamber with 8 port manifold |
| 0.18m ² | | 0.09m ² | |
| 4 pcs | | 3 pcs | |
| 70mm | | | |
| ≤-56°C/-80°C(Option) | | | |
| 23L | | | |
| Φ270*400mm | | | |
| <5 Pa | | | |
| 6kg/24h | | | |
| Φ240*18mm | | Φ200*18mm | |
| 18-36h | | | |
| 0.45L | | 0.3L | |
| 1.8L | | 0.9L | |
| Φ300*445mm | Φ300*465mm | Φ300*540mm | Φ300*570mm |
| - | | 183 | |
| - | | 345 | |
| - | | 615 | |
| R600a+R23 | | | |
| Air cooling | | | |
| -56°C: 1.4kW, -80°C: 2.1.kW | | -56°C: 1.4kW, -80°C: 2.1.kW | |
| AC220V, 50/60Hz(single phase), 110V, 60Hz(single phase) | | | |
| -56°C Cold trap ,Vacuum pump 4L/S, 14.4m ³ /h, Material rack, Material tray (for all models) | | | |
| Flasks 100mlx2, 250mlx2, 500mlx2, 1000mlx2 (only for model BK-FD18P/PT) | | | |
| -80°C, -110°C Cold trap, Anti-reverse oil stop valve, Oil mist filter, Import vacuum pump (for all models) | | | |
| Conical-mouth flask and wide-mouth flask (for BK-FD18P/PT) | | | |
| 630×580×970/1415mm | 630×580×970/1435mm | 630×580×970/1510mm | 630×580×970/1810mm |
| 790*690*1200mm (148kg) | | | |
| 420*420*560/mm (14kg) | 430*430*660mm (26kg) | | |
| 620*370*450 (32kg) | | | |

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