

Pilot freeze dryer Sublimator 15

up to 1.28m² total shelve area



- Liquid tempered stainless steel shelves for freezing and drying
- Uniform temperature distribution +/-1°C during freezing and drying repeatable processes
- Integrated vacuum pump
- Industrial PLC control system with touchpanel
- Free programmable receipts
- Integrated vacuum regulation
- Complete stainless steel



Technical parameters:

| | |
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| Drying Chamber | W400 x H550 x D600mm Volume 132l Material 316L Door: Acrylic Glass |
| Shelve size with fixed shelves | 320x500mm |
| Shelve size with flexible shelves (to use with stoppering system) | 250x500mm |
| Shelve configuration | 3+1 shelves with 130mm distance 4+1 with 95mm 5+1 with 75mm 6+1 with 60mm 7+1 with 50mm 8+1 with 40mm |
| Shelve temperature range | a) -40...+60°C b) -60...+60°C |
| Condenser capacity | 10kg/24h, max. 15kg |
| Condenser temperature | a) <-50°C b) <-80°C |
| Vacuum controlling | With magnetic valve between condenser and vacuum pump |
| Vacuum sensor | Pirani vacuum sensor 0.001...1000mbar |
| Controller | Mitsubishi FXN PLC |
| Operator panel | 5.7" coloured touchpanel |
| Programs | 20 programs, each one with: 10 freezing steps 10 main drying steps 10 secondary drying steps |
| Outer dimensions: W1300 x H1850 x D850mm (900 with door), 400V/50Hz/16A | |
| Additional options: | |
| <p>Manifold with 6 or 12 connections and rubber valves GMP for product contacted parts Pneumatic stoppering system Variable shelve distances N2-liquid cooling Batch documentation software via Ethernet oder printers Visualisation software SCADA Product trays Stainless steel door Glove box / isolator connections Combi sensor for temperature and conductivity Several vacuum pumps, also oil free Separation valve between chamber and condenser Capacitive vacuum sensor</p> | |

Wall integration:



Variable shelf distances:

9 shelves 45mm



6 shelves 70mm

