

Sample Concentrator

- The Instrument consists of a base and stand assembly, sample holder and gas distribution system. Test tubes are held in a block.
- The gas at 5 to 10 psig passes through the distribution manifold, depending on the test-tube size and solvent volume they can be individually raised or lowered to the correct height.
- Needle or glass pipettes blow gas onto the surface of the solution resulting in rapid evaporation of the solvent.
- All materials used are laboratory quality and can withstand contact with organic solvents.
- Acid resistant models are available for corrosive applications.
- High precision and wide range of temperature control.
- Blowing a large number of samples at one time.
- Blowing each sample independently.
- Amount of airflow can be adjusted.
- Easy to operate, safe and reliable to use.



ST-SC200-1



ST-SC200-1A



ST-SC200-2



Specification of Sample Concentrator

| Model | ST-SC200-1 | ST-SC200-1A | ST-SC200-2 |
|--|--------------------|---------------------|--------------------|
| Temperature Control Range | Ambient +5~150°C | | |
| Homogeneity Control Discrepancy @100°C | ± 0.5°C | | |
| Homogeneity Control Discrepancy @150°C | 0.3°C | | |
| Display | LED | | |
| Temperature Control Discrepancy @40~100°C | ± 0.5°C | | |
| Temperature Control Discrepancy @100~150°C | ± 1°C | | |
| Block | 1 | 1 | 2 |
| Heating Time 40~150°C | ≤ 30 min | | |
| Standard Blocks | See below | | |
| Power | 200W | 200W | 400W |
| Power Supply | AC 220V 50/60Hz | | |
| Gas Distribution System | ST-GDS200-1 | ST-GDS200-1A | ST-GDS200-2 |
| Nitrogen Consumption | 0~10L/ min | | |
| Dimension (L x W x H) mm | 280 x 240 x 500 | | |
| Needle Length | 80mm/ 150mm | | |
| Weight | 6kg | 6kg | 6.5kg |

Dry Block

| Model | Parameter | Capacity | Dimension (mm) | Model | Parameter | Capacity | Dimension (mm) |
|---------|-----------|----------|----------------|-------------|-----------------|----------|----------------|
| ST-BK01 | Ø 6mm | 49 | 96 x 96 x 49 | ST-BK11 | Ø 19mm | 16 | 96 x 96 x 49 |
| ST-BK02 | Ø 7mm | 49 | 96 x 96 x 49 | ST-BK12 | Ø 20mm | 9 | 96 x 96 x 49 |
| ST-BK03 | Ø 10mm | 25 | 96 x 96 x 49 | ST-BK13 | Ø 26mm | 9 | 96 x 96 x 49 |
| ST-BK04 | Ø 12mm | 25 | 96 x 96 x 49 | ST-BK14 | Ø 28mm | 4 | 96 x 96 x 49 |
| ST-BK05 | Ø 13mm | 25 | 96 x 96 x 49 | ST-BK15 | Ø 40mm | 4 | 96 x 96 x 49 |
| ST-BK06 | Ø 15mm | 12 | 96 x 96 x 49 | ST-BK16 | 0.5ml | 49 | 96 x 96 x 49 |
| ST-BK07 | Ø 15mm | 16 | 96 x 96 x 49 | ST-BK17 | 1.5ml | 25 | 96 x 96 x 49 |
| ST-BK08 | Ø 16mm | 12 | 96 x 96 x 49 | ST-BK18 | 2.0ml | 25 | 96 x 96 x 49 |
| ST-BK09 | Ø 16mm | 16 | 96 x 96 x 49 | ST-BK19 (*) | 0.2ml | 96 | 78 x 114 x 26 |
| ST-BK10 | Ø 19mm | 12 | 96 x 96 x 49 | ST-BK20 (*) | Plate (no hole) | 96 | 81 x 123 x 19 |

* ST-BK19 and ST-BK20 are used in ST-SC200-1A and ST-GDS200-1