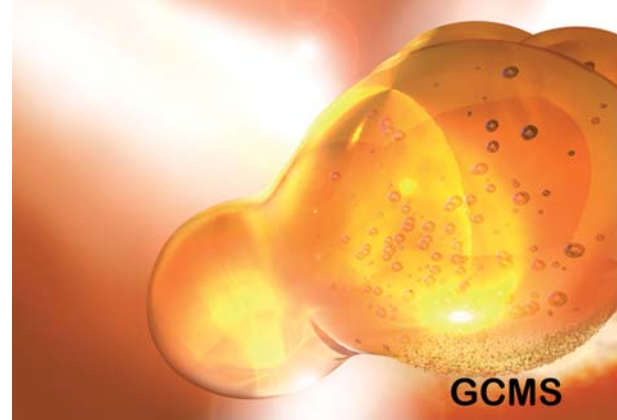


Specification Note

Thermodesorption System TD-20



| | |
|--------------------------------|--|
| Sample tube (trap tube) | |
| No. Of samples | 48 |
| Tube size | ¼" (6.35 mm) x 90 mm |
| Heating temperature | 80°C-400°C (set in 1°C units) |
| Control flow rate range | 21-150 ml/min (set in 1 ml units) |
| Transfer line | |
| Plumbing material | Silcosteel© |
| Maintained temperature | 80°C-350°C (set in 1°C units) |
| Valve unit | |
| Valve | Valco 6-port high temperature valve (1/16") |
| Plumbing material | Silcosteel© |
| Maintained temperature | 80°C-300°C (set in 1°C units) |
| Cold trap unit | |
| Trap tube | 3.2 mm outer diameter (2 ml inner diameter) x100 mm, Silcosteel© tube |
| Adsorbent | Tenax TA (50-60 mg) |
| Cooling temperature | from 50°C below RT to 0°C (set in 1°C units) |
| Heating temperature | 80°C-350°C (set in 1°C units) |
| Heating time | 0-30 min (set in 0.01 min units) |
| Interface unit | |
| Maintained temperature | 80°C-350°C (set in 1°C units) |
| Gases | |
| Carrier gas | Helium (99.9999% purity), 0.5 – 0.9 MPa |
| Purge gas | Air (dehumidified), 0.2-0.3 MPa Consumption 3l/cycle (max.) |
| Entire system | |
| Specified environment | Temperature: 18°C -28°C; Humidity 50%-70% |
| Storage environment | Temperature: 0°C-40°C |
| Power Supply | AC 220 V -240 V (with down transformer) |
| Dimensions | 323(W)x500(H)x500(D)mm + 190 (W) x 206 (H) x 235 (D) mm (down transformer) |
| Weight | 43 kg + 20 kg (down transformer) |

The given specifications serve purely as technical information for the user.
No guarantee is given on technical specification of the described product and/or procedures.