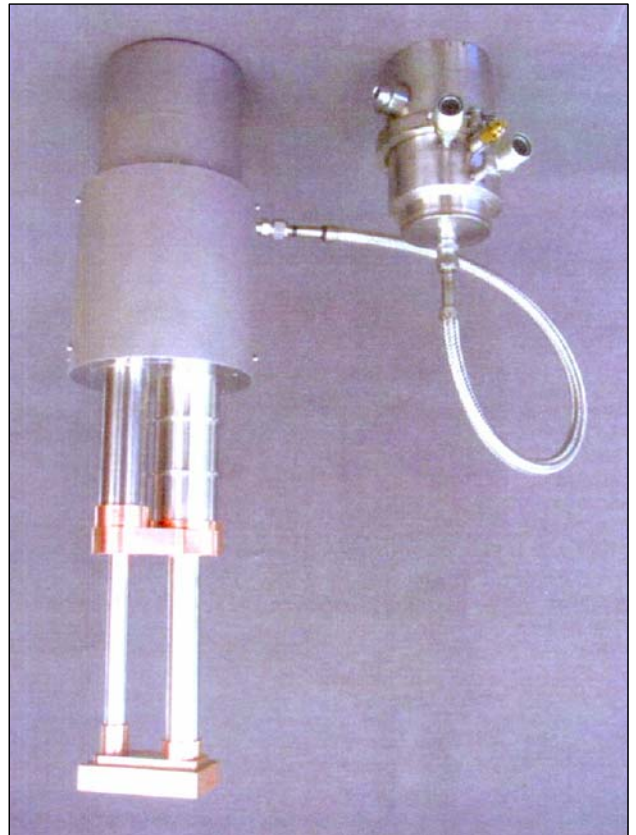


CRYOSTAT WITH CLOSED CIRCUIT CRYOGENERATOR (PULSE TUBE)

MOD. CRYOT-1

The closed circuit cryogenerator with temperature control from 2,5K to 320K is made with :

- Pulse Tube Cooler mod.PTD406 with 6kW water-cooled compressor
- temperature sensor with Cernox calibrated from 1.4K to 320K
- temperature controller 321-01 Lake Shore
- autotuning with interface RS-232
- 80K dismantling shield for easy access
- vacuum chamber in two parts for an easy access to the sample and additional ports for further electrical feedthroughs. In the lower side five pyrex windows are mounted (other material on request).
- standard sample holder for optical measures



Specifications

Cryostat with cryocooler PTD406

| | |
|-----------------------------|--------------------|
| Temperature range | <2.5K to 320K |
| Cooling time | 60min without load |
| Control precision | +/- 0.2K |
| Sample size | 25X25mm |
| Refrigeration power 2°stage | >0.55W@4.2K |
| Refrigeration power 1°stage | >10W@53K |
| Valve frequency controle | 220V50Hz-40W |
| Cold head and valve weight | 20kg |

CP6000 Compressor

| | |
|-------------------|---|
| Power supply | 400V+/-10% 3Ph-9.5/13.7A |
| Water consumption | 5 l/min @25°C |
| Connectinf lines | Pairs of flexlines 1/2Aeroquip self sealing coupling 9m |
| Sizes | 440x511x590 |
| Weigth | kg 94 |

Temperature controller

| | |
|------------|-----------------------|
| Instrument | Mod 321-01 LAKE SHORE |
| Sensor | calibrated Cernox |
| Interface | RS 232 |
| Sizes | 105x132x280 |

MOD. CRYOT-1

