

Chart Ferox Eurocyl

Low pressure vessels



THE LOW-PRESSURE CRYOGENIC LIQUID SOLUTION

All-purpose gas transport, storage and supply vessels for laboratories, hospitals, universities and other low-pressure liquid users.

Easy to Use: ideal for transport, storage and dispensing of cryogenic liquids. Easy to maneuver caster bases on many models. All valves and instruments within easy reach and visibility. Stable center of gravity.

Superior Performance: Low evaporation rate and high durability. Optional pressure building system for high or continuous withdrawal rates. Extended-stem liquid valve to reduce ice formation.

Cost Effective: European ready ... TPED coded. Super-insulation for longer holding time, lower evaporation and lower operating costs. All stainless steel vessels and patented inner support system for durability and long life.

Five Convenient Sizes: 35, 50, 120, 180 and 230 Liters.

Popular Options: casters-bases, fill/supply hoses, Non-magnetic versions, pressure building kits.

PRODUCT SPECIFICATIONS

| MODEL | 35/1.5 | 50/1.5 | 120/4 SB | 180/4 | 230/4 RB | 230/4 SB |
|----------------------------|----------------------|----------------------|-----------------------|-------------------|----------------------|-----------------------|
| CAPACITY | | | | | | |
| Liquid (gross) (liters) | 35 | 50 | 120 | 196 | 240 | 240 |
| Liquid (net) (liters) | | | 114 | 186 | 228 | 228 |
| PERFORMANCE | | | | | | |
| NER**** (N2) (% per day) | 4 | 4 | 2 | 1,9 | 1,8 | 1,8 |
| NER (O2 - AR) (% per day) | N/A | N/A | 1,4 | 1,3 | 1,2 | 1,2 |
| Relief Valve Setting (bar) | 1,5 | 1,5 | 1,5 / 4** | 1,5 / 4** | 1,5 / 4** | 1,5 / 4** |
| Code | TPED | TPED | TPED | TPED | TPED | TPED |
| DIMENSIONS | | | | | | |
| Tank Diameter (mm) | 406 | 406 | 508 | 508 | 660 | 660 |
| Base Dimensions (mm) | 406 | 406 | 650 x 675 | 508 | 660 | 715 x 715 |
| Type of Base | round caster-base | round caster-base | square caster-base | round footring | round caster-base | square caster-base |
| Tank Height (mm) | 723 | 901 | 1290 | 1613 | 1391 | 1391 |
| Tank Empty Weight (kg) | 41 | 45 | 94 | 109 | 125 | 143 |

Continued on next page >

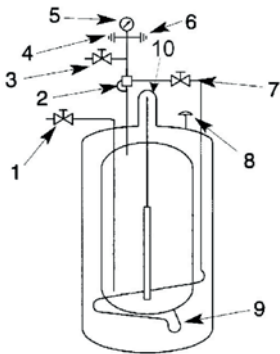
PRODUCT SPECIFICATIONS

| MODEL | 35/1.5 | 50/1.5 | 120/4 SB | 180/4 | 230/4 RB | 230/4 SB |
|------------------------------------|--------|--------|----------|-------|----------|----------|
| DIMENSIONS | | | | | | |
| Maximum Tank Full Weight*** | | | | | | |
| N2 (kg) | 66 | 82 | 186 | 259 | 309 | 327 |
| O2 (kg) | N/A | N/A | 224 | 321 | 385 | 403 |
| Ar (kg) | N/A | N/A | 253 | 369 | 443 | 461 |

- * Subject to change without prior notice
- ** Tanks supplied with 1,5 bar and 4 bar relief valves
- *** Tank plus product at saturated pressure 0 bar for O , N , Ar 2 2
- **** NER: Nominal Evaporation Rate

FIVE Year Vacuum Warranty

NOMENCLATURE



- 1 Liquid Fill & Withdrawal Valve
- 2 Pressure Building Regulator
- 3 Vent Valve
- 4 Relief Valve
- 5 Pressure Gauge
- 6 Relief Valve
- 7 Pressure Building Valve
- 8 Outer Vessel Burst Disc
- 9 Pressure Building Coil
- 10 Liquid Level Indicator (35/50 fitted with DP gauge)

***** Available option on 120, 180 and 230 models only