

Self-pressurized (0.5 bar) liquid nitrogen storage and dispensing vessels.



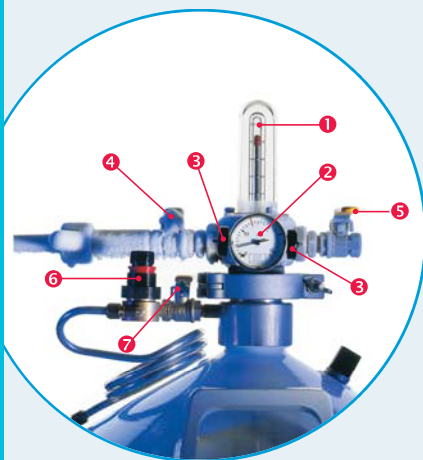
- ▶ Capacity of 35 to 100 litres
- ▶ Self-pressurized vessel
- ▶ Delivered with or without the operating head*
- ▶ Static holding time up to 75 days
- ▶ 6 year guarantee on the vacuum

* Operating head is removable

- ❶ Float-type level indicator
- ❷ Manometer
- ❸ 2 safety valves for 0.5 bar
- ❹ Dispensing / liquid use valve
- ❺ Venting valve

Self-pressurizing system

- ❻ Pressure gauge
- ❼ Pressurizing valve



Main characteristics include

Easy to use

- ▶ Direct liquid nitrogen supply with the decanting valve
- ▶ The TP35 can fit easily under a laboratory bench or workstation
- ▶ A hand rail can be easily attached to protect the operating head and make it easier to move the vessel

Easy to dispense liquid nitrogen

- ▶ Double valve option for liquid use




Quality

- ▶ Made out of aluminum and composite materials provides for low consumption and light weight
- ▶ High quality polyurethane paint for long life



Hand rail 

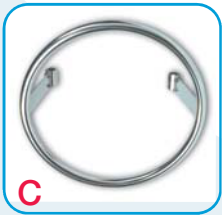
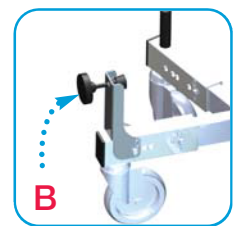
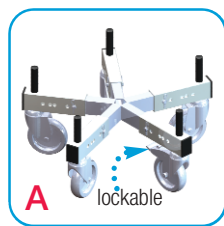
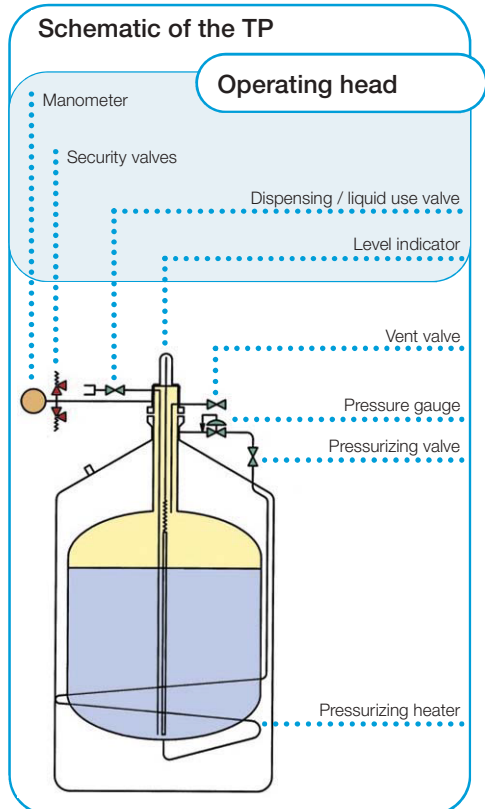
Flexible hose with dispensing cane 

Application areas include:
Industrial, laboratories, life sciences,
medical, ...

| TP | | TP35 | TP60 | TP100 |
|---|--------------------|--------------|--------------|--------------|
| CHARACTERISTICS | | | | |
| Liquid capacity | l | 35 | 60 | 98 |
| Diameter of neck | mm | 50 | 50 | 50 |
| Static holding time | d ¹⁾ | 35 | 60 | 75 |
| Daily evaporation rate | l/d ¹⁾ | 1 | 1 | 1,3 |
| Weight empty with operating head | kg | 19.8 | 26.4 | 33.5 |
| Weight full with operating head | kg | 48 | 74.5 | 113.5 |
| External diameter | mm | 468 | 468 | 510 |
| Total height with operating head | mm | 853 | 1,080 | 1,213 |
| Total interior height | mm | 580 | 815 | 945 |
| Maximum operating pressure in standard bars | bar | 0.5 | 0.5 | 0.5 |
| Maximum flow rate | l/mn ²⁾ | 2.4 (P=0.5b) | 3.5 (P=0.5b) | 5.2 (P=0.5b) |

| PRODUCT REFERENCES | | | |
|---|--------|--------|---------|
| TP with operating head and pressure regulator | TP35-1 | TP60-1 | TP100-1 |
| TP without operating head (pressure regulator included) | TP35-2 | TP60-2 | TP100-2 |

| MAIN ACCESSORY REFERENCES | |
|---|-------------------------|
| A1: Roller base (height: 220 mm) | ACC-ALU-29 |
| A1: Non magnetic roller base (height: 205 mm) | ACC-ALU-31 |
| B: Fixation kit for the roller base (3 parts) | ACC-ALU-32 |
| C: Hand rail | ACC-ALU-21 |
| D: Withdrawal device with double valve | ACC-TP-21 |
| E: Dispensing system with anti-splash nozzle | ACC-TP-17 |
| F: Flexible transfer hose with (DN10) ⁴⁾ | 1.1 m ACC-FL180180NL-11 |
| Flexible transfer hose with cane (DN10) ^{3) 4) 5)} | F + G1 ou F + G2 |
| G1: Transfer cane with anti-splash nozzle | ACC-FLTC-2 |
| G2: Transfer cane without anti-splash nozzle | ACC-FLTC-1 |



1) Daily evaporation and static holding time are given for the following conditions: 20°C, 1 013 mb, and vessel is stationary with lid closed. These are nominal values and may vary according to the history of the vessel and the manufacturing tolerances.
2) Indicative value that can vary greatly in accordance with the filling time of the vessel.
3) For dispensing liquid nitrogen in Voyageur, GT, Agil, or Arpege vessels – small volumes of nitrogen in non-pressurized vessels

4) The flexible hoses are available in different lengths: 1.5, 2, 3 and 4 meters. If the length = 1.5 m the commercial reference = NL-15. If the length = 2 m the commercial reference = NL-20. If the length = 3 m the commercial reference = NL-30. If the length = 4 m the commercial reference = NL-40.
5) Available in length from 1.1 – 4 m and for connecting to pressurized vessels or vacuum lines with a maximum of 3 bar.