

# *The TR, TP, AGIL range*

Storing and transporting  
liquid nitrogen



# The TR and TP range

## THE TR RANGE

TRs are non-pressurised containers designed for storing and transporting liquid nitrogen.

Roller base with castors, tipping handle, tipping stand, dispensing system: TRs can be fitted with a range of accessories that make your work easier and more efficient.



## NON-PRESSURISED CONTAINERS

### Strength

Their light alloy construction and composite material neck allow a combination of low consumption, strength and lightness.

### Quality of finish

The polyurethane paintwork gives the container an exceptional quality of finish and long life.

### Transfer solutions

Various dispensing systems can be fitted to containers. Their flange fixing is quick and sure.

### Compliance with regulations

The TR range complies with international regulations applicable to the transport of dangerous materials (ADR and IATA-OACI).

## SELF-PRESSURISED CONTAINERS

### Easy of use

Nitrogen is available at all times by simply opening the valve.

Compact, the TP35 can be put under a laboratory bench.

In the self-pressurised container sphere, TPs have the special feature of being made of aluminium, so combine lightness with strength.

### Reliability

The self-pressurising system is based solely on simple physical principles.

### Quality of finish

TPs fit naturally into the laboratory environment.

## THE TP RANGE

Self-pressurised aluminium containers, TPs are designed for storing and dispensing liquid nitrogen at low pressure.

A float-type level indicator enables the quantity of liquid available to be quickly checked. The operating head, removable in seconds, is fitted with a pressure level rod and 2 safety valves.



# The AGIL range

## Stainless steel containers

Carrying your samples in the laboratory



### EXTRAS THAT MAKE THE DIFFERENCE

#### Strength

Their stainless steel construction is extremely strong.

#### Handleability

The pouring handle makes work easy and enables the Dewar to be handled in complete safety.

#### Wide variety of use

It is possible with both hot or cold liquids.

AGILs are stainless steel, vacuum insulated containers.

The range includes 6 models with capacities from 0.5 l to 6 l. They can be fitted with lids (optional).

Although AGILs are often used for handling liquid nitrogen, their uses cover a wide range of temperatures from -200°C to +200°C, which makes them suitable for a large number of laboratory applications.

Light, strong and compact, AGILs are practical to use because of their top and side handles.

| Features                                        | AGIL 0,5 | AGIL 1 | AGIL 1/L | AGIL 2 | AGIL 3 | AGIL 6 |
|-------------------------------------------------|----------|--------|----------|--------|--------|--------|
| Effective capacity (l)                          | 0,5      | 1      | 1        | 2      | 3      | 6      |
| Internal diameter (mm)                          | 65       | 85     | 100      | 100    | 185    | 185    |
| External diameter (mm)                          | 87       | 107    | 122      | 122    | 200    | 200    |
| Weight empty (kg)                               | 0,56     | 0,95   | 0,80     | 1,35   | 1,78   | 2,40   |
| Total height (mm)                               | 203      | 231    | 177      | 312    | 190    | 300    |
| Daily evaporation (l/D)*<br>at 20°C without lid | 1        | 0,9    | 1,6      | 1,1    | 3,1    | 2,9    |
| Static holding time (h)* à 20°C<br>without lid  | 12       | 26     | 15       | 43     | 23     | 49     |

\*The daily evaporation and static holding time are given for 20°C, 1013mb, stationary container and lid closed. These are nominal values and may vary according to the history of the container and manufacturing tolerances.

\*\*Indicative value that can vary greatly in accordance with the filling time.

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## ACCESSORIES

### ACCESSORIES

|                                    |               |
|------------------------------------|---------------|
| Lid for AGIL 0,5 (cork)            | REF: 1200017  |
| Lid for AGIL 1 (cork)              | REF: 1200018  |
| Lid for AGIL 1/L et AGIL2 (cork)   | REF: 1200019  |
| Lid for AGIL 3 et AGIL 6 (cork)    | REF: 1200020  |
| Lid for TR 7/11/21/26/35/60/100    | REF: NH92623  |
| Lid TR with loss-prevention system | REF: NH102486 |

### ROLLER BASES ON CASTORS

|                                                                            |              |
|----------------------------------------------------------------------------|--------------|
| Roller base with fixing on braked castors<br>TR21/TR26 diam. 380           | REF: NH94406 |
| Roller base with fixing on braked castors<br>TR35/TP35/TR60/TP60 diam. 460 | REF: NH92848 |
| Roller base with fixing on braked castors<br>TR-TP100 diam. 503            | REF: NH92775 |
| Amagnetic roller base on braked castors<br>TR35/TP35/TR60/TP60 diam. 460   | REF: NH93941 |
| Amagnetic roller base on braked castors<br>TR-TP100 diam. 503              | REF: NH93942 |

### DISPENSING SYSTEMS

|                                              |                |
|----------------------------------------------|----------------|
| DL3 for TR                                   | REF: DL3       |
| Simplified dispensing system for TR          | REF: NH96002   |
| Transfer pump NL PC 250-220 V CA pour TR     | REF: NH32741-1 |
| Transfer pump NL PC 250-24 V CA pour TR      | REF: NH32741-3 |
| Operating head TP35                          | REF: NH95809   |
| Operating head TP100                         | REF: NH92961   |
| Operating head TP60                          | REF: NH92960   |
| V nilic hose 10*14 for pump PC250, per metre | REF: 1700051   |

### TIPPING STAND

|                             |                |
|-----------------------------|----------------|
| Tipping stand for TR21-TR26 | REF: NH94632-1 |
| Tipping stand for TR35      | REF: NH94632-2 |

### TIPPING HANDLE

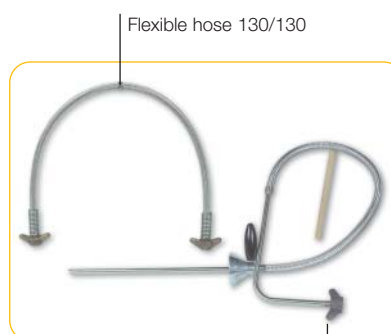
|                                                            |              |
|------------------------------------------------------------|--------------|
| Tipping handle (manual tipping)<br>for TR21-TR26 diam. 380 | REF: NH93077 |
| Tipping handle (manual tipping)<br>for TR7-TR11 diam. 300  | REF: NH93266 |

### HAND-RAIL

|                             |              |
|-----------------------------|--------------|
| Hand-rail for TP35, 60, 100 | REF: 3H92628 |
|-----------------------------|--------------|

### FLEXIBLE HOSES

|                                                    |                    |
|----------------------------------------------------|--------------------|
| Flexible hose DN 10-130/TC<br>for nitrogen L 800   | REF: FL180TCNLF08  |
| Flexible hose DN 10-130 130<br>for nitrogen L 1100 | REF: FL180180NLF11 |
| Flexible hose DN 16 600-130<br>for nitrogen L 1500 | REF: FL630180NLF15 |
| Flexible hose DN 16 600-130<br>for nitrogen L 2200 | REF: FL630180NLF22 |
| Anti-splash nozzle                                 | REF: 0700007       |





### TR: NON-PRESSURISED CONTAINERS

| Features                   | TR7  | TR11 | TR21 | TR26 | TR35 | TR60 | TR100 |
|----------------------------|------|------|------|------|------|------|-------|
| Useful capacity (l)        | 7,2  | 12,2 | 21,5 | 26   | 33,6 | 60   | 99    |
| Diameter of neck (mm)      | 50   | 50   | 50   | 50   | 50   | 50   | 50    |
| Weight empty (kg)          | 6    | 7,5  | 11   | 13,5 | 15,8 | 21,5 | 29,5  |
| Weight full (kg)           | 11,8 | 17,3 | 28,3 | 34,6 | 43   | 70   | 110   |
| External diameter (mm)     | 308  | 308  | 388  | 388  | 468  | 468  | 510   |
| Total height (mm)          | 480  | 584  | 605  | 669  | 655  | 869  | 986   |
| Daily evaporation (l/D)*   | 0,2  | 0,18 | 0,18 | 0,2  | 0,24 | 0,4  | 0,55  |
| Static holding time (d)*   | 36   | 67   | 119  | 130  | 140  | 150  | 180   |
| Total internal height (mm) | 405  | 530  | 535  | 612  | 580  | 800  | 933   |

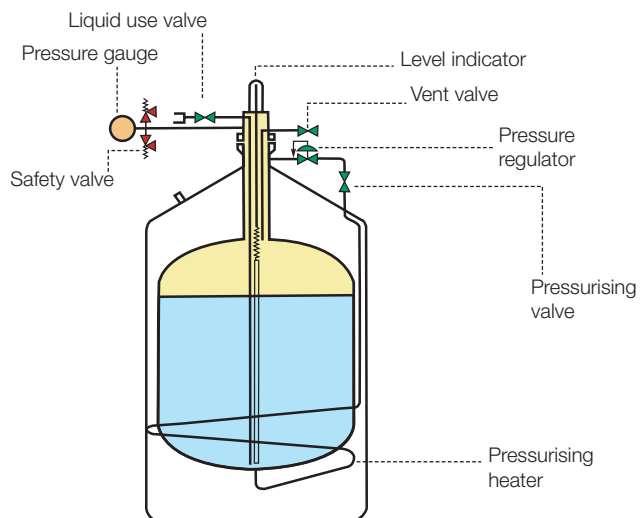
\*The daily evaporation and static holding time are given for 20°C, 1013mb, stationary container and lid closed. These nominal values and may vary depending on the history of the container and manufacturing tolerances.

### TP: SELF-PRESSURISED CONTAINERS

| Features                                       | TP35         | TP60         | TP100        |
|------------------------------------------------|--------------|--------------|--------------|
| Useful capacity (l)                            | 35           | 60           | 98           |
| Diameter of neck (mm)                          | 50           | 50           | 50           |
| Weight empty (kg) (with operating head)        | 19,8         | 26,4         | 33,5         |
| Weight full (kg) (with operating head)         | 48           | 74,5         | 113,5        |
| External diameter (mm)                         | 468          | 468          | 510          |
| Total height (mm) (with operating head)        | 853          | 1080         | 1213         |
| Daily evaporation (l/D)* (with operating head) | 1            | 1            | 1,3          |
| Static holding time (d)*                       | 35           | 60           | 75           |
| Total internal height (mm)                     | 580          | 815          | 945          |
| Standard maximum working pressure (bar)        | 0,5          | 0,5          | 0,5          |
| Maximum flow (l/mn)                            | 2,4 (P=0,5b) | 3,5 (P=0,5b) | 5,2 (P=0,5b) |

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