

# Pressure-Feeding System with Flask



Applicable for VARD2Go and VARJ30

**Nisco Engineering AG**  
Wehntalerstrasse 562  
CH-8046 Zurich, Switzerland

The pressure feeding system consists of:

1. HMI Control console and pneumatic box
2. Flask 100, 250, 500 or 1000ml with three nozzles on the head: one for vent, one for transfer with a tip tube and one for filling
3. Stainless steel safety basket for protection if flask bursts

Tel: +41 44 380 06 30  
Fax: +41 44 380 06 31  
e-mail: [mailbox@nisco.ch](mailto:mailbox@nisco.ch)  
<http://www.nisco.ch>



**Vent nozzle:** Vent nozzle with sterile filter for air pressure and vent.

**Transfer nozzle:** Hose material: silicone

**Blind nozzle:** Hose material: silicone for refilling during the process.

### Safety basket

When working with pressure a safety basket made of stainless steel 1.4301 is of advantage. If the glass has a crevice or if the pressure is too high (it can for example happen if it is connected to the wrong pressure or if the pressure reducing station is defective), the glass can burst. In order to protect the operator and the other staff in the lab always put the flask into the basket when working under pressure.

### 1. HMI Control Console and Pneumatic Box

All electric parts and components needed for the pressure feeding with flask are built in the pneumatic box.

The feeding is controlled via HMI (Human Machine Interface).

### 2. Flask

Working pressure range: -1 to 1,5barg

Max. working pressure: 140°C

Material: Duran  
(borosilic. glass 3.3)

### 3. Flask with cover for large flowrate

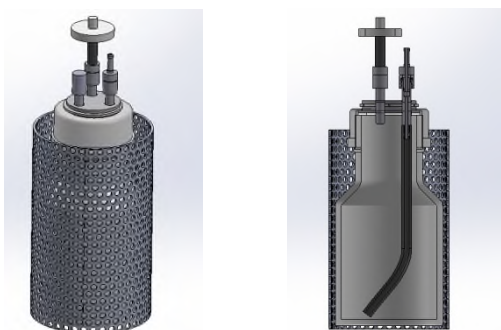
Cover with hose connector ID 3mm which allows to feed nozzles with diameter >1mm or the multi nozzle heads.

- ✓ 1000ml Flask, ID 3mm hose connector
- ✓ Connection Feed Tip Tube with hose connector.
- ✓ Optional - Luer-Lock adapter connectors, 2mm for hose
- ✓ Connection air hose connector

Certificate for pressure resistance:

Acc. DIN ISO 1595, confirmed with GS-Sign  
(TUEV ID: 0000020716)

The adapters for small hoses and blinds are also available for the cover.



Standard flask with connections and safety basket



Flask with cover for large flowrate