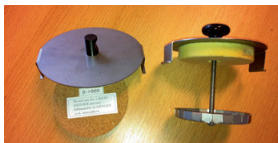


Open dewars

There are several stainless steel open Dewar's available and if desired we can even supply client specific Dewar's. They can be used for storing liquid Nitrogen or dry ice (CO₂) pallets. The types can be divided in four groups the D series being the most common ones and the CS series the specials. We have divided the Dewar's based on the capacity/internal dimensions as these are the most important specifications when using open Dewar's.



Standard D serie



Cork, stainless steel and special lids with freezing tray



MVE 204

CD series



TW3K series

CAB CS/D series

D SERIE OPEN DEWARs

D500	0,5l unit	internal diameter 65mm	h=180mm
D1000	1L unit	internal diameter 90mm	h=205mm
D1000w	1L unit	internal diameter 100mm	h=157mm
D2000	2L unit	internal diameter 100mm	h=285mm
D3000	3L unit	internal diameter 185mm	h=160mm
D6000	6L unit	internal diameter 185mm	h=270mm

CHART MVE TRANSFER UNITS

MVE103	39L	unit internal diameter 406mm	h=305mm
MVE204	65L	unit internal diameter 406mm	h=502mm
MVE205	95L	unit internal diameter 735mm	h=735mm
MVE510	166L	unit internal diameter 527mm	h=762mm

CRYO DIFFUSION CD SERIE

CD45M	37L unit	interne diameter 410mm	h=280mm
CD60M	73L unit	interne diameter 410mm	h=554mm
CD90M	92L unit	interne diameter 410mm	h=702mm

TAYLOR WHARTON KSERIE UNITS

TW3K	48L	unit internal diameter 356mm	h=488mm
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CRYO ANLAGENBAU OPEN DEWARs

CS70/150D	0,6l unit	internal diameter 70mm	h=150mm
CS70/250D	1,0L unit	internal diameter 70mm	h=250mm
CS150/250D	4,4L unit	internal diameter 150mm	h=250mm
CS150/300D	4,5L unit	internal diameter 150mm	h=300mm
CS150/450D	7,95L unit	internal diameter 150mm	h=450mm
CS150/500D	8,8L unit	internal diameter 200mm	h=400mm
CS200/400D	12,5L unit	internal diameter 200mm	h=400mm
CS250/450D	22L unit	internal diameter 250mm	h=450mm

Safety

CRYOGENIC GLOVES

An essential accessory for working in cryogenic atmospheres, the Tempshield gloves are available in several styles, sizes and two main types, standard waterproof or industrial.



Styles for standard gloves

Wrist WR-WP Midarm MA-WP
Elbow EB-WP Shoulder SH-WP
Sizes small, medium large and extra large



The industrial version

Style midarm model CIM-WP
size Medium, Large or Xlarge

Next to these gloves we also recommend a cryogenic skirt and face protection and to be absolutely sure also a portable Oxygen detection would be one item we do advise to use.

As a safety set we advertise the following:

- Cryogenic gloves midarm, cryogenic skirt and face protection
- The portable O2 detection is an option



SAFETY AND TECHNICAL TRAINING OF CRYOGENIC STAFF

As an additional service Cryo Solutions BV can help you in training your staff both on the technical site as on safety when working with cryogenics (gasses and equipment). This training consists of two parts each taking about ½ a day of training either at our facility or locally at yours Each member will get a personal certificate and information map at the end of his training, so he or you can prove that they know what the dangers are and how to work with cryogenics.

Safety

The general idea of this part of the training is that people recognize and know what the difficulties and dangers are when working with cryogenics such as

oxygen depletion or freezing for example and how to react in case anything does go wrong. Also as part of the training we will explain which precautions one has to take and which laws one there are when working with liquid gases in rooms.

Technical

We will provide a hands on technical training on your own equipment locally or on similar equipment at our training facility, the general idea behind this technical training is that your staff is capable of detecting the problems and give us the right information so we can fix the problem as quick as possible, in some cases in conjunction with you or your staff.

Installation Qualification and Operating Qualification

An extra service we can supply in addition to our normal installation and instruction of cryogenic equipment is an IQ/OQ procedure, this ensures that your installation is installed at the best possible way and you can comply to any GMP/GLP or FDA standards.

We have standards by which we do these IQ/OQ procedures supplied by our producers but we can also make these to your own desired specifications.

24 Hour back-up

Next to our normal service and maintenance contract we can also supply you with an 24 hour back-up contract, and we offer this for 365 days a year, so ensuring the maximum equipment safety year round. The contract consists of the following:

- 1) 24 hour technical support by telephone, 365 days per year
- 2) The guaranteed availability of biological storage tank or a controlled rate freezer
- 3) Response time within a agreed maximum hours and within this time span we will deliver a spare machine for a period of several weeks, so you can proceed with your procedures and/or production as soon as possible