



Contain your costs

Tank container supply solutions

Buying GMP process solutions in bulk is a great way to cut costs – and with our one-stop Tank Container Supply Service, you don't even need your own tanks to enjoy the benefits. Our attractive leasing terms cover everything from the containers themselves to peripherals, cleaning, maintenance and technical support, leaving you free to invest your time and resources more profitably elsewhere. Ask your sales representative for a tailor-made offer today.

Benefits

- Save money on materials, analyses and packaging
- Flexible, one-stop solutions
- Isocontainer deliveries from 5,000 to 20,000 liters
- On-site storage or on-demand deliveries
- Use of FDA-compliant materials and qualified equipment
- Coded connector systems prevent confusion
- Dry couplings prevent leakage
- Recording the parameters of temperature and pressure plus active heating system
- Monitored safety valve
- Validated cleaning procedures



Technical Specifications

Tank

Insulated cylindrical stainless steel pressure vessel

Measures / Weights

Length/width/height 6,058 / 2,438 / 2,591 mm (20' x 8' x 8' 6'')

Gross/tara/net 36,000 / 4,820 / 31,180 kg (79,365 / 10,626 / 68,739 lb.)

Compartments / capacity 1 / 21,000 ltr. (4,619 Imp. Gall.) 2x welded baffles

Vessel

Material Stainless steel 1.4404 (316 L)

Working pressure: 4.00 bar (58.0 psi)

Test pressure: 6.00 bar (87.0 psi)

External pressure: 0.4 bar (5.8 psi)

Insulation 50 mm glasswool with aluminium lamination

Paintwork 2 mm GRP grey (RAL 7040)

Approvals

ADR / RID, UIC, CSC, ISO, IMDG, TIR, UN T12, AAR 600

Qualified tank containers for GMP process solutions

1 Lockable cabinet

2 Spillbox (rear)

Inerting V3

2/2 compact ballvalve 2" remote-controlled via air pressure (ATEC)

Spare connection

DN 50

Filling V1

3/2 compact ballvalve 2" remote-controlled via air pressure (ATEC)

Cleaning V4

2/2 compact ballvalve 1" remote-controlled via air pressure (ATEC)
Spray balls (GEA)

3 Spillbox (center)

Manhole

1x DN 500

Safety relief valve (Fort valve)

Twinact

Set pressure 4.4 bar
(63.8 psi) / vacuum set
-0.41 bar (-5.95 psi)



Bursting disc (Rembe)

Set pressure 4.8 bar (69.6 psi) /
vacuum set -0.36 bar (-5.22 psi)

Cleaning V4

2/2 compact ballvalve 1" remote-controlled via air pressure (ATEC)
Spray balls (GEA)

4 Spillbox (front)

Venting V5

2/2 compact ballvalve 2" remote-controlled via air pressure (ATEC)

Cleaning V4

2/2 compact ballvalve 1" remote-controlled via air pressure (ATEC)
Spray balls (GEA)



5 Aseptic filter

10" Aseptic filter
with 0.2 µm PTFE
filter element
Filter heating (Eltherm)



6 Datalogger

Datalogger (IMEC)
Temperature/pressure
record

7 Heating system

Webasto

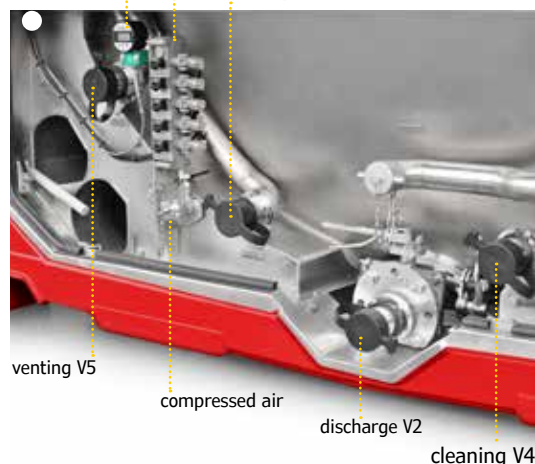


8 Cabinet for 2 off sample bottle

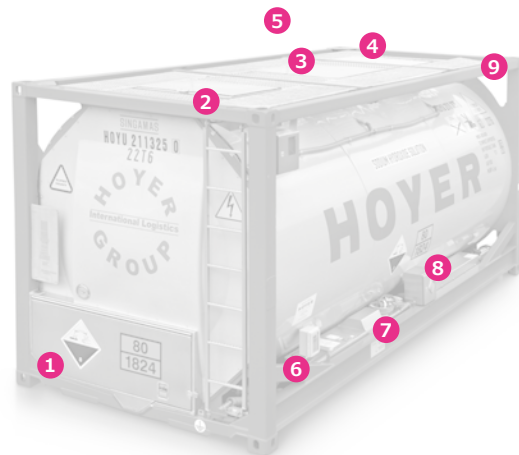
9 Ladder, rear Walkway with collapsible handrail

1 Lockable cabinet

pressure gauge
control panel
inerting V3



- All connections on tank container: 2" male dry coupler (Mann-Tek)
- Flushing connection: 1" male dry coupler (Mann-Tek)
- 1" air pressure coupler with safety double cam lobe catch distance 42 mm



To place an order or receive technical assistance

Order/ Customer Service:
[SigmaAldrich.com/order](https://www.sigmaaldrich.com/order)

Technical Service:
[SigmaAldrich.com/techservice](https://www.sigmaaldrich.com/techservice)

Safety-related Information:
[SigmaAldrich.com/safetycenter](https://www.sigmaaldrich.com/safetycenter)

Merck KGaA
Frankfurter Strasse 250
64293 Darmstadt
Germany

