**CO₂ Storage**

**Vacuum insulated ASCO CO₂ Storage Tanks**

ASCO CO₂ Storage Tanks include a high quality perlite vacuum insulation and are supplied complete with all pipework, valves, safety devices, liquid level indicator, pressure gauge, automatic pressure build up and pressure reducing systems allowing fast and easy installation on site.

The inner tank is made of stainless steel or carbon steel. The outer vessel has a durable protective coating to guard against corrosion.

All interconnecting pipework is made of stainless steel. Special connections are included to allow easy installation of any ancillary equipment such as vapourisers, cylinder filling systems, transfer pumps and dry ice machines etc.

- compact
- simple and safe to operate
- easily installed

**Horizontal and vertical tanks**

ASCO Storage Tanks are available as horizontal or vertical versions.

**Cryogenic gases**

Vertical ASCO Storage Tanks can also be configured for other liquefied cryogenic gases (N₂, O₂, Ar).

---

**Specifications**

<table>
<thead>
<tr>
<th>Inner vessel:</th>
<th>Stainless or carbon steel</th>
<th>Piping:</th>
<th>Stainless steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outer vessel:</td>
<td>Carbon steel</td>
<td>Level indication:</td>
<td>Differential pressure measuring device (outlet 4-20 mA)</td>
</tr>
<tr>
<td>Max. working pressure (CO₂ Tanks):</td>
<td>22 bar (319.08 psi)</td>
<td>Filling connections:</td>
<td>According to ASCO flow diagram</td>
</tr>
<tr>
<td>Insulation:</td>
<td>High quality vacuum perlite</td>
<td>Approval:</td>
<td>PED 2014/68/EU or AD2000 and other international codes</td>
</tr>
</tbody>
</table>

ASCO reserves the right to modify all specifications without prior notice.
## ASCO CO₂ Storage Tanks: Special features

Advantages of ASCO vacuum insulated CO₂ Storage Tanks:

- Low maintenance
- Installation is straightforward
- All pipework on vacuum insulated tanks are made of stainless steel
- Vacuum insulated tanks include automatic pressure build up and pressure reducing systems
- Special connections are included to allow easy installation of vaporisers, cylinder filling systems, transfer pumps and dry ice machines
- Tanks can be ordered with different pipework arrangement for other liquefied cryogenic gases (Nitrogen, Oxygen, Argon)

## Easy Handling and easy Installation on Site:

ASCO’s vacuum insulated Storage Tanks are designed for easy handling and installation on site.

The stainless steel pipework offers the possibility to connect the following equipment to the tank:

- CO₂ cylinder filling systems
- Atmospheric CO₂ vaporisers
- Dry ice pelletizers / block machines
- CO₂ production plants
- CO₂ recovery systems
- CO₂ transfer pumps
Typical ASCO CO₂ Pipework: Arrangement

All pipework and valves are made of stainless steel. Automatic pressure build up and pressure reducing systems are standardly included to provide stable tank pressure condition.

Optional:
If a tank is used for storing CO₂ without regular withdrawal, a refrigeration unit can be supplied.

Pressure and Level Indicator:

Differential pressure indicator media 6 for liquid level indication

- Microprocessor-controlled transmitter with interface for configuration and programming on site
- Digital display (LCD) for temperatures down to –40 °C with 100 % bar graph as well as alarm and warning markers
- Two-wire connection for 4 - 20 mA signal
All pipework is aligned inside the tank and the connections are at the bottom of the tank.

1. Shut-off valve pressure reducing system
2. Valve for liquid withdrawal
3. Valve for liquid withdrawal (vaporiser)
4. Electrical pressure building heater
5. Shut-off valve pressure building system
6. Main safety valve
7. Pressure building regulator
8. Shut-off valve pressure reducing system
9. Pressure reducing regulator
10. Vent valve
11. Valve for vacuum probe
12. Valve for vacuum probe
13. Vacuum probe
14. Vaporiser for pressure building system
15. Valve for liquid withdrawal (vaporiser)
16. Thee valve manifold
17. Pressure gauge
18. Liquid level indicator
19. Electrical pressure building heater
20. Line safety valve
21. Line safety valve
22. Valve for liquid fill connection
23. Valve for liquid fill connection
24. Overflow valve
25. Valve for gas fill connection
26. Connection for pressure measuring
27. Connection for pressure measuring
28. Valve for liquid withdrawal
29. Evacuation connection outer casting
30. Bursting disk for outer tank
31. Change over valve
32. Vent valve
33. Vent valve
34. Back-up valve liquid line
35. Back-up valve gas line
36. Valve for gas withdrawal
37. Valve for gas withdrawal
38. Refrigeration coil
39. Refrigeration coil
40. Refrigeration unit
41. Connection for pressure measuring
42. Connection for pressure measuring
43. Line safety valve
44. Line safety valve
45. Valve for plant
46. Line safety valve
47. Connection for liquid withdrawal
48. Connection for liquid withdrawal
49. Connection for liquid withdrawal
50. Connection for liquid withdrawal
51. Connection for liquid withdrawal
52. Connection for liquid withdrawal
53. Connection for liquid withdrawal
Horizontal vacuum insulated ASCO CO₂ Tanks

Flow diagram No. 750

All pipework is aligned inside the tank and the connections are at the bottom of the tank.

1 Shut-off valve pressure reducing system 28 Valve for liquid withdrawal
5 Shut-off valve pressure building system 29 Evacuation connection outer casting
6 Main safety valve 30 Bursting disk for outer tank
7 Pressure building regulator 31 Change over valve
8 Shut-off valve pressure reducing system 33 Vent valve
9 Pressure reducing regulator 34 Back-up valve liquid line
11 Vent valve 35 Back-up valve gas line
12 Valve for vacuum probe 36 Valve for gas withdrawal
13 Vacuum probe 37 Valve for gas withdrawal
14 Vaporiser for pressure building system 39 Refrigeration coil
15 Valve for liquid withdrawal (vaporiser) 40 Refrigeration unit
16 Thee valve manifold 41 Connection for pressure measuring
17 Pressure gauge 42 Connection for pressure measuring
18 Liquid level indicator 44 Line safety valve
19 Electrical pressure building heater 45 Valve for plant
21 Line safety valve 46 Line safety valve
23 Valve for liquid fill connection 50 Connection for liquid withdrawal
24 Overflow valve 52 Connection for liquid withdrawal
25 Valve for gas fill connection 53 Connection for liquid withdrawal
# Vertical vacuum insulated ASCO Storage Tanks: Available standard capacities

<table>
<thead>
<tr>
<th>Position</th>
<th>Model</th>
<th>Weight</th>
<th>Capacity</th>
<th>Specifications</th>
</tr>
</thead>
</table>
| 001      | 6.4 t | 14'109.6 lb | 6'400 l  | Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.  
  - Diameter: 1'600 mm (62.99 in) / Height: 7'500 mm (295.28 in)  
  - Including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)  
  - CO₂: Maximum filling weight of 6'350 kg (13'999.35 lb)  
  - Safety valve setting 22 bar (319.08 psi)  
  - Inner vessel made of stainless steel |
| 002      | 11.0 t| 24'250.8 lb | 11'000 l | Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.  
  - Diameter: 2'200 mm (86.61 in) / Height: 6'400 mm (251.97 in)  
  - Including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)  
  - CO₂: Maximum filling weight of 10'540 kg (23'236.72 lb)  
  - Safety valve setting 22 bar (319.08 psi)  
  - Inner vessel standardly made of carbon steel, also available in stainless steel |
| 003      | 17.0 t| 37'478.6 lb | 17'000 l | Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.  
  - Diameter: 2'200 mm (86.61 in) / Height: 8'950 mm (352.36 in)  
  - Including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)  
  - CO₂: Maximum filling weight of 16'290 kg (35'913.30 lb)  
  - Safety valve setting 22 bar (319.08 psi)  
  - Inner vessel standardly made of carbon steel, also available in stainless steel |

**LIN, LOX, LAR:**  
- Maximum net capacity of 10'450 litres  
- MAWP 18.5 bar (268.32 psi)  
- Inner vessel standardly made of carbon steel, also available in stainless steel.
**Vertical vacuum insulated ASCO Storage Tanks: Available standard capacities**

**Pos. 004**

*20.0 t (44'092.5 lb) / 20'000 l vertical, vacuum insulated storage tank*

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- Diameter: 2’200 mm (86.61 in) / height: 10’250 mm (403.54 in)
- Including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)
- \(\text{CO}_2\): (available options please see flow diagram no. 700)
  - Maximum filling weight of 19‘160 kg (42'240.57 lb)
  - Safety valve setting 22 bar (319.08 psi)
  - Inner vessel standardly made of carbon steel, also available in stainless steel

**LIN, LOX, LAR:**

- Maximum net capacity of 19‘000 litres (5'019.3 gal)
- MAWP 18.5 bar (268.32 psi)
- Inner vessel made of stainless steel

**Part no.**

- \(\text{CO}_2\) | 900743
- LIN, LOX, LAR | 4046465

**Pos. 005**

*23.0 t (50'706.3 lb) vertical, vacuum insulated storage tank*

Only available for \(\text{CO}_2\) storage

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- Diameter: 2’200 mm (86.61 in) / height: 11’600 mm (456.69 in)
- Including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)
- Maximum filling weight of 22‘110 kg (48'744.21 lb)
- Safety valve setting 22 bar (319.08 psi)
- Inner vessel standardly made of carbon steel, also available in stainless steel
- Available options please see flow diagram no. 700

**Part no.**

- \(\text{CO}_2\) | 900744

**Pos. 006**

*28.0 t (61'729.4 lb) / 28'000 l vertical, vacuum insulated storage tank*

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- Diameter: 2’500 mm (98.43 in) / height: 10’350 mm (407.48 in)
- Including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)
- \(\text{CO}_2\): (available options please see flow diagram no. 700)
  - Maximum filling weight of 26‘820 kg (59'127.98 lb)
  - Safety valve setting 22 bar (319.08 psi)
  - Inner vessel standardly made of carbon steel, also available in stainless steel

**LIN, LOX, LAR:**

- Maximum net capacity of 26‘600 litres (7'027 gal)
- MAWP 18.5 bar (268.32 psi)
- Inner vessel made of stainless steel

**Part no.**

- \(\text{CO}_2\) | 900745
- LIN, LOX, LAR | 4046466
Vertical vacuum insulated ASCO Storage Tanks: Available standard capacities

Pos. 007

32.0 t (70'547.9 lb) / 32'300 l vertical, vacuum insulated storage tank

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- diameter: 2'500 mm (98.43 in) / height: 11'600 mm (456.69 in)
- including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)

CO₂: (available options please see flow diagram no. 700)

- maximum filling weight of 30'660 kg (67'593.73 lb)
- safety valve setting 22 bar (319.08 psi)
- inner vessel standardly made of carbon steel, also available in stainless steel

LIN, LOX, LAR:

- maximum net capacity of 30'690 litres (8'107.4 gal)
- MAWP 18.5 bar (268.32 psi)
- inner vessel made of stainless steel

part no.

CO₂ 900746
LIN, LOX, LAR 4046467

Pos. 008

37.0 t (81'571 lb) / 36'600 l vertical, vacuum insulated storage tank

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- diameter: 2'500 mm (98.43 in) / height: 12'900 mm (507.87 in)
- including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)

CO₂: (available options please see flow diagram no. 700)

- maximum filling weight of 35'450 kg (78'153.87 lb)
- safety valve setting 22 bar (319.08 psi)
- inner vessel standardly made of carbon steel, also available in stainless steel

LIN, LOX, LAR:

- maximum net capacity of 34'770 litres (9'185.3 gal)
- MAWP 18.5 bar (268.32 psi)
- inner vessel made of stainless steel

part no.

CO₂ 900747
LIN, LOX, LAR 4046468

Pos. 009

41.0 t (90'389.5 lb) / 41'000 l vertical, vacuum insulated storage tank

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- diameter: 2'500 mm (98.43 in) / height: 14'150 mm (557.08 in)
- including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)

CO₂: (available options please see flow diagram no. 700)

- maximum filling weight of 39'280 kg (86'597.58 lb)
- safety valve setting 22 bar (319.08 psi)
- inner vessel standardly made of carbon steel, also available in stainless steel

LIN, LOX, LAR:

- maximum net capacity of 38'950 litres (10'289.5 gal)
- MAWP 18.5 bar (268.32 psi)
- inner vessel made of stainless steel

part no.

CO₂ 900748
LIN, LOX, LAR 4046469
<table>
<thead>
<tr>
<th>Pos. 010</th>
<th>50.0 t (110'231.1 lb) / 50'000 l vertical, vacuum insulated storage tank</th>
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</thead>
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<td>Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.</td>
</tr>
<tr>
<td></td>
<td>• diameter: 3'000 mm (118.11 in) / height: 11'990 mm (472.05 in)</td>
</tr>
<tr>
<td></td>
<td>• including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)</td>
</tr>
<tr>
<td></td>
<td>CO₂: (available options please see flow diagram no. 700)</td>
</tr>
<tr>
<td></td>
<td>• maximum filling weight of 47'900 kg (105'601.42 lb)</td>
</tr>
<tr>
<td></td>
<td>• safety valve setting 22 bar (319.08 psi)</td>
</tr>
<tr>
<td></td>
<td>• inner vessel standardly made of carbon steel, also available in stainless steel</td>
</tr>
<tr>
<td></td>
<td>LIN, LOX, LAR:</td>
</tr>
<tr>
<td></td>
<td>• maximum net capacity of 47'500 litres (12'548.2 gal)</td>
</tr>
<tr>
<td></td>
<td>• MAWP 18.5 bar (268.32 psi)</td>
</tr>
<tr>
<td></td>
<td>• inner vessel made of stainless steel</td>
</tr>
<tr>
<td></td>
<td>part no.</td>
</tr>
<tr>
<td></td>
<td>CO₂</td>
</tr>
<tr>
<td></td>
<td>LIN, LOX, LAR</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pos. 011</th>
<th>60.0 t (132'277.4 lb)/ 61'000 l vertical, vacuum insulated storage tank</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Only available for LIN, LOX, LAR storage</td>
</tr>
<tr>
<td></td>
<td>Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.</td>
</tr>
<tr>
<td></td>
<td>• diameter: 3'000 mm (118.11 in) / height: 13'900 mm (472.05 in)</td>
</tr>
<tr>
<td></td>
<td>• including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)</td>
</tr>
<tr>
<td></td>
<td>CO₂: (available options please see flow diagram no. 700)</td>
</tr>
<tr>
<td></td>
<td>• maximum filling weight of 59'500 kg (131'175.05 lb)</td>
</tr>
<tr>
<td></td>
<td>• safety valve setting 22 bar (319.08 psi)</td>
</tr>
<tr>
<td></td>
<td>• inner vessel standardly made of carbon steel, also available in stainless steel</td>
</tr>
<tr>
<td></td>
<td>LIN, LOX, LAR:</td>
</tr>
<tr>
<td></td>
<td>• maximum net capacity of 57'950 litres (15'308.8 gal)</td>
</tr>
<tr>
<td></td>
<td>• MAWP 18.5 bar (268.32 psi)</td>
</tr>
<tr>
<td></td>
<td>• inner vessel made of stainless steel</td>
</tr>
<tr>
<td></td>
<td>part no.</td>
</tr>
<tr>
<td></td>
<td>CO₂</td>
</tr>
<tr>
<td></td>
<td>LIN, LOX, LAR</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pos. 012</th>
<th>73.0 t (160'937.5 lb) / 73'000 l vertical, vacuum insulated storage tank</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Only available for CO₂ storage.</td>
</tr>
<tr>
<td></td>
<td>Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.</td>
</tr>
<tr>
<td></td>
<td>• diameter: 3'000 mm (118.11 in) / height: 16'400 mm (645.67 in)</td>
</tr>
<tr>
<td></td>
<td>• including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)</td>
</tr>
<tr>
<td></td>
<td>• maximum filling weight of 69'930 kg (154'169.26 lb)</td>
</tr>
<tr>
<td></td>
<td>• safety valve setting 22 bar (319.08 psi)</td>
</tr>
<tr>
<td></td>
<td>• inner vessel standardly made of carbon steel, also available in stainless steel</td>
</tr>
<tr>
<td></td>
<td>• available options please see flow diagram no. 700</td>
</tr>
<tr>
<td></td>
<td>part no.</td>
</tr>
<tr>
<td></td>
<td>CO₂</td>
</tr>
</tbody>
</table>
100.0 t (220'462.3 lb) / 100'000 l vertical, vacuum insulated storage tank

Only available for CO₂ storage

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- diameter: 3'600 mm (141.73 in) / height: 15'350 mm (604.33 in)
- including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)
- maximum filling weight of 102'000 kg (224'971.51 lb)
- safety valve setting 22 bar (319.08 psi)
- inner vessel standardly made of carbon steel, also available in stainless steel
- available options please see flow diagram no. 700
Horizontal vacuum insulated CO2 Storage Tanks: Available standard capacities

**Pos. 014**

**11.0 t (24'250.85 lb) / 11'000 l horizontal, vacuum insulated CO2 storage tank**

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- diameter: 2'200 mm (86.61 in) / length: 6'400 mm (251.97 in)
- including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)
- maximum filling weight of **10'540 kg (23'236.72 lb)**
- safety valve setting 24 bar (348.09 psi) (if stainless steel upgrade 22 bar (319.08 psi))
- inner vessel standardly made of carbon steel, also available in stainless steel
- available options please see flow diagram no. 750

**part no. 900804**

**Pos. 015**

**17.0 t (37'478.6 lb) / 17'000 l horizontal, vacuum insulated CO2 storage tank**

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- diameter: 2'200 mm (86.61 in) / length: 8'950 mm (352.36 in)
- including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)
- maximum filling weight of **16'290 kg (35'919.30 lb)**
- safety valve setting 24 bar (348.09 psi) (if stainless steel upgrade 22 bar (319.08 psi))
- inner vessel standardly made of carbon steel, also available in stainless steel
- available options please see flow diagram no. 750

**part no. 900805**

**Pos. 016**

**20.0 t (44'092.5 lb) / 20'000 l horizontal, vacuum insulated CO2 storage tank**

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- diameter: 2'200 mm (86.61 in) / length: 10'250 mm (403.54 in)
- including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)
- maximum filling weight of **19'160 kg (42'240.57 lb)**
- safety valve setting 24 bar (348.09 psi) (if stainless steel upgrade 22 bar (319.08 psi))
- inner vessel standardly made of carbon steel, also available in stainless steel
- available options please see flow diagram no. 750

**part no. 900906**
## Horizontal vacuum insulated CO₂ Storage Tanks: Available standard capacities

### Pos. 017

**28.0 t (61'729.45 lb) / 28'000 l horizontal, vacuum insulated CO₂ storage tank**

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- **diameter:** 2'500 mm (98.43 in) / **length:** 10'350 mm (407.48 in)
- **including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)**
- **maximum filling weight of 26'820 kg (59'127.98 lb)**
- **safety valve setting 24 bar (348.09 psi) (if stainless steel upgrade 22 bar) (319.08 psi)**
- **inner vessel standardly made of carbon steel, also available in stainless steel**
- **available options please see flow diagram no. 750**

### Pos. 018

**32.0 t (70'547.92 lb) / 32'300 l horizontal, vacuum insulated CO₂ storage tank**

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- **diameter:** 2'500 mm (98.43 in) / **length:** 11'600 mm (456.69 in)
- **including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)**
- **maximum filling weight of 30'660 kg (67'593.73 lb)**
- **safety valve setting 24 bar (348.09 psi) (if stainless steel upgrade 22 bar) (319.08 psi)**
- **inner vessel standardly made of carbon steel, also available in stainless steel**
- **available options please see flow diagram no. 750**

### Pos. 019

**37.0 t (81'571.1 lb) / 36'600 l horizontal, vacuum insulated CO₂ storage tank**

Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.

- **diameter:** 2'500 mm (98.43 in) / **length:** 12'900 mm (507.87 in)
- **including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)**
- **maximum filling weight of 35'450 kg (78'153.87 lb)**
- **safety valve setting 24 bar (348.09 psi) (if stainless steel upgrade 22 bar) (319.08 psi)**
- **inner vessel standardly made of carbon steel, also available in stainless steel**
- **available options please see flow diagram no. 750**
# Horizontal vacuum insulated CO₂ Storage Tanks: Available standard capacities

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Capacity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>020</td>
<td>41.0 t (90'389.53 lb) / 41'000 l horizontal, vacuum insulated CO₂ storage tank</td>
<td>Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- diameter: 2'500 mm (98.43 in) / length: 14'150 mm (557.09 in)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- maximum filling weight of 39'280 kg (86'597.58 lb)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- safety valve setting 24 bar (348.09 psi) (if stainless steel upgrade 22 bar) (319.08 psi)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- inner vessel standardly made of carbon steel, also available in stainless steel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- available options please see flow diagram no. 750</td>
</tr>
<tr>
<td>021</td>
<td>50.0 t (110'231.15 lb) / 50'000 l horizontal, vacuum insulated CO₂ storage tank</td>
<td>Tank to be supplied complete with all pipework in stainless steel, valves, safety devices, differential pressure liquid level indicator, vacuum insulated.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- diameter: 3'000 mm (118.11 in) / length: 11'990 mm (472.05 in)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- including registration by German TÜV according to PED 2014/68/EU and AD2000 (also for CH)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- maximum filling weight of 47'900 kg (105'601.42 lb)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- safety valve setting 24 bar (348.09 psi) (if stainless steel upgrade 22 bar) (319.08 psi)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- inner vessel standardly made of carbon steel, also available in stainless steel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- available options please see flow diagram no. 750</td>
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</table>