



# CRYOGENIC PRODUCTS & SERVICES

Design

Installation

Service

Inspection

THAMES CRYOGENICS LTD

Total Cryogenic Solutions



## TPV Dewar

The TPV series of vessels are specifically designed for the storage, transportation and dispensing of liquid nitrogen, liquid argon and liquid oxygen, are suitable for a host of applications within the industrial, medical & cryo-biological fields. Each vessel has been designed to automatically maintain pressure at a pre set level using the integral pressure building circuit.

### Key Features

- Stainless steel construction.
- QCG contents gauge included.
- Dual fill/decant valves for convenience.
- Mounted on a high quality castor Base.
- Tow bar for safer handling on TPV-120 to TPV-400.
- TPED: approved for the transportation of liquid on public highways throughout Europe. (Other approvals available on request).
- Standard working pressure 1.5 bar (options up to 4.0bar).

### Applications

Constructed entirely from stainless steel the PV30 to the PV300 vessels these vessels are sure to last.

All vessels are supplied as standard complete with internal pressure building circuit, pressure control regulator, relief valve, bursting disc and pressure gauge. Optional accessories include contents gauges, hose, valve adapters etc.

Each vessel is designed to automatically maintain a pre-set pressure which can be changed by you to suit. The self generating internal pressure control feature allows the vessels to be used in automatic applications such as top up reservoirs, filling cold traps and refrigerators using the available liquid level controller, transfer hose, solenoid valve etc.

[www.thamescryogenics.com](http://www.thamescryogenics.com)

Email: [sales@thamescryogenics.com](mailto:sales@thamescryogenics.com)

Tel: +44 (0)1235 815777



**THAMES CRYOGENICS LTD**  
*Total Cryogenic Solutions*

Model	TPV-30	TPV-60	TPV-120	TPV-160	TPV-200	TPV-240	TPV-300	TPV-400	TPV-500	TPV-1000	PV-2000
Capacity (ltrs)	30	60	120	160	200	240	300	400	500	951	2000
Diameter (mm)	410	460	535	640	640	690	690	765	1000	1058	1310
Height (mm)	664	998	1281	1369	1471	1410	1510	1717	1370	2295	2645
Weight Empty (kg)	42	60	112	120	151	150	160	196	240	590	1050
Weight full LN2 (kg)	66	102	187	249	302	344	402	519	644	1627	2585
Max working pressure (bar)	4	4	4	4	4	4	4	4	4	6	4
Static evaporation rate (% per day)	3.3	2	1.2	1.1	0.9	0.8	0.8	0.7	0.6	1.2	1.1

[www.thamescryogenics.com](http://www.thamescryogenics.com)

Email: [sales@thamescryogenics.com](mailto:sales@thamescryogenics.com)

**Tel: +44 (0)1235 815777**

**Head Office (UK)**  
 Thames Cryogenics Ltd.  
 Gooch Drive  
 Southmead Industrial Park  
 Didcot  
 OX11 7PR