

Liquid-Helium Dewars

Supagas is a national, industrial gas supply company.

We have a wide and extensive distribution network across Australia. Our range includes;

- High Purity, Specialty, Diving, Industrial and Hospitality Gases

Our competitive advantage

- Flexibility – matching customer requirements (customising our service)
- Independent operation
- New, custom built dewars

Why think Supagas for liquid-helium?

Supagas went to the industry to research customer needs in relation to liquid-helium, before ordering product and installing a new purpose-built helium transfer facility, at the company's Ingleburn head office in NSW.

All liquid-helium dewars are built and certified to Australian and International standards.

- 250 litre, 400 litre and 500 litre can be used by either top or side outlet connection
- All 250 litre, 400 litre and 500 litre dewars are equipped with electric pressure building systems. (Also includes selected 100 litre dewars)
- We have 100 litre, 250 litre, 400 litre and 500 litre dewars in our traffic
- Our helium dewars can be shipped by air, rail or road

Security and continuity of supply

Exclusive long-term International Helium supply agreement.

- Regular ISO deliveries
- Our large gas and liquid storage facilities based at our new Ingleburn plant include a 10,000-litre static storage vessel

Strategic focus and investment

Liquid-helium has been the focus of strategic investment, research and development for many years, such that today we are well equipped with the resources and technical expertise to supply this product readily and extensively.



Supagas Liquid-Helium

- ✓ **Quality** (*Laboratory Certified*)
- ✓ **Traceability** (*Extensive quality*)
- ✓ **Continuity** (*Reliability of supply*)
- ✓ **Consistency** (*Correct gas every time*)



SUPAGAS
YES WE CAN!

Liquid-Helium Dewars Spec Sheet



Cryofab - CMSH 100 Liquid Helium Container

Net Capacity	100 Litres	100 Litres
Gross Capacity	110 Litres	110 Litres
Weight (Empty)	95.5 kg	210 lbs
Material of Construction	304 SS	304 SS
N.E.R (Normal Evaporation Rate)	1 %	1 %
Operating Pressure	69 kPa	10 PSI
Design Pressure ²	310.3 kPa	45 PSI
Neck ID	37 mm	1.45 Inches
Depth (Flange to Bottom)	1171 mm	46 Inches
Outside Overall Diameter	611 mm	24 Inches
Height	1501 mm	59 Inches
Maximum transfer Line O.D	12.7 mm	1/2 Inches
Minimum Transfer Line O.D	9.5 mm	3/8 Inches
Transfer Line Length for Withdrawal	1425 mm	56 Inches
Minimum Fill Lance Length	764 mm	30 Inches
Caster Size	102 mm	4 Inches
Vent Connection (MNPT)		1/2 Inches

Cryofab - CMSH 250 Liquid Helium Container

Net Capacity	250 Litres	250 Litres
Gross Capacity	275 Litres	275 Litres
Weight (Empty)	154.5 kg	340 lbs
Material of Construction	304 SS	304 SS
N.E.R (Normal Evaporation Rate)	1 %	1 %
Operating Pressure	69 kPa	10 PSI
Design Pressure ²	206.9 kPa	30 PSI
Neck ID	54 mm	2.12 Inches
Depth (Flange to Bottom)	1348 mm	53 Inches
Outside Overall Diameter	814 mm	32 Inches
Height	1781 mm	70 Inches
Maximum transfer Line O.D	19 mm	3/4 Inches
Minimum Transfer Line O.D	9.5 mm	3/8 Inches
Transfer Line Length for Withdrawal	1628 mm	64 Inches
Minimum Fill Lance Length	814 mm	32 Inches
Caster Size	127 mm	5 Inches
Vent Connection (MNPT)		1/2 Inches

Cryofab - CMSH 400-S Liquid Helium Container

Net Capacity	400 Litres	400 Litres
Gross Capacity	440 Litres	440 Litres
Weight (Empty)	232 kg	510 lbs
Material of Construction	304 SS	304 SS
N.E.R (Normal Evaporation Rate)	1 %	1 %
Operating Pressure	69 kPa	10 PSI
Design Pressure ²	172.5 kPa	25 PSI
Neck ID	53.4 mm	2.10 Inches
Depth (Flange to Bottom)	1196 mm	47 Inches
Outside Overall Diameter	1069 mm	42 Inches
Height	1577 mm	62 Inches
Maximum transfer Line O.D	19 mm	3/4 Inches
Minimum Transfer Line O.D	9.5 mm	3/8 Inches
Transfer Line Length for Withdrawal	1425 mm	56 Inches
Minimum Fill Lance Length	814 mm	32 Inches
Caster Size	127 mm	5 Inches
Vent Connection (MNPT)		1/2 Inches

Cryofab - CMSH 500 Liquid Helium Container

Net Capacity	500 Litres	500 Litres
Gross Capacity	538 Litres	538 Litres
Weight (Empty)	255.5 kg	562 lbs
Material of Construction	304 SS	304 SS
N.E.R (Normal Evaporation Rate)	.7 %	.7 %
Operating Pressure	69 kPa	10 PSI
Design Pressure ²	172.5 kPa	25 PSI
Neck ID	53.4 mm	2.10 Inches
Depth (Flange to Bottom)	1399 mm	55 Inches
Outside Overall Diameter	1069 mm	42 Inches
Height	1857 mm	75 Inches
Maximum transfer Line O.D	19 mm	3/4 Inches
Minimum Transfer Line O.D	9.5 mm	3/8 Inches
Transfer Line Length for Withdrawal	1679 mm	66 Inches
Minimum Fill Lance Length	814 mm	32 Inches
Caster Size	127 mm	5 Inches
Vent Connection (MNPT)		1/2 Inches