

# Portable Storage and Transport Dewars



CFN 50

## CFN/CFL Series

The absolute back-to-basics container without bells and whistles is a throwback to the days of simple fabrication and uncomplicated operation. Assembled using all steel materials, this container is a double-walled, vacuum insulated dewar. The design criteria for this product line is to supply a robust container for transportation and atmospheric storage of liquefied gases in smaller capacities. Sizes range from 25 liters to 200 liters.



### CFN Model

A narrow neck opening helps to keep the loss rates to a minimum. The top neck termination is a KF flange for discharge device attachment for liquid disbursement. This container is not meant for long hold time storage but as an alternative to liquid supply in a lab or plant operation. Equipped with a discharge device and casters, liquid cryogenics can be available on demand. Two stainless steel handles are welded to the top head for convenience and a dust cap is supplied for neck protection.



### CFL Model

The CFL is a mirror image of the CFN with the added option of an increased neck diameter. The standard neck opening is 1.5" o.d. with a KF flange for discharge device attachment. The neck diameter for this model can be increased up to 8" for non-standard requirements. Common uses for this model are dipping and experimentation without the need to transfer liquids.

### CFN Series - Optional Equipment



#### CMC Discharge Device

Simple in configuration, the standard device consists of a withdrawal valve, vent valve, pressure gauge and relief device. Attachment is with a flange assembly and clamp.



#### Flanged Neck Termination

Custom machined for experiments and application integration.



#### Outboard Casters

A removable dolly or welded casters can be supplied for ease of movement and portability.



#### Larger Necks

Allow for devices and experiments to be done inside the container without the need of liquid transfer.

	CFN/CFL 25	CFN/CFL 50	CFN/CFL 100	CFN/CFL 200
Net Capacity	25 liters	50 liters	100 liters	200 liters
Gross Capacity	28 liters	55 liters	110 liters	220 liters
Outer Diameter	406.4 mm	457.2 mm	508 mm	609.6 mm
Height	711.2 mm	838.2 mm	1092.2 mm	1219.2 mm
Neck Dia. CFN	19.05 mm	19.05 mm	25.4 mm	25.4 mm
Neck Dia. CFL	38.1 mm	38.1 mm	38.1 mm	38.1 mm
Weight (Empty)	16.36 kg	27.7 kg	55 kg	100 kg
Weight (Full)				
LN <sub>2</sub>	36.8 kg	68.2 kg	135 kg	261.8 kg
LOX	45 kg	85 kg	169.5 kg	329.1 kg
Larg	50.5 kg	95.9 kg	191.4 kg	381.8 kg
Depth	546.1 mm	673.1 mm	901.7 mm	1079.5 mm
M.A.W.P.	10 PSIG	10 PSIG	10 PSIG	10 PSIG
Static Loss Rate CFN	.65 lt/day	.70 lt/day	1.2 lt/day	1.2 lt/day
Static Loss Rate CFL	.87 lt/day	1.2 lt/day	1.3 lt/day	1.35 lt/day