

# Drop Dart Impact Test

## Rotationally Moulded Polyethylene Water Tanks

Now require to have Drop Dart Impact Test compliance in Australia as per *Australian Standard AS4766*

This standard specifies requirements for the design and manufacture of polyethylene tanks that are rotationally moulded. It ensures the secure storage of water and other liquids. It also ensures that the performance and workmanship of the finished tank is adequate for its intended application. The dart impact test at  $-40^{\circ}\text{C}$  produces a value that is used as an indication of the quality of the tank that has been manufactured.



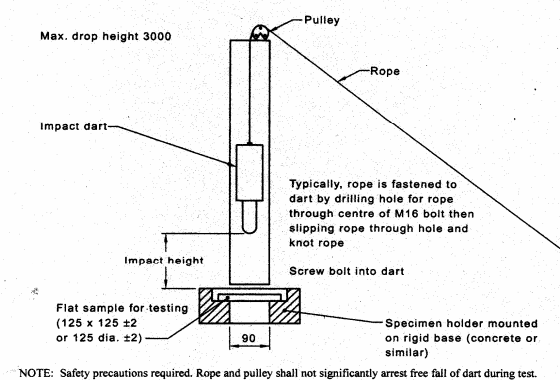
### Freezer - Ultra Low Temperature Chest

Capacity	84 litres
Temp Range	$-40^{\circ}\text{C} \sim -80^{\circ}\text{C}$
Int Dimensions (mm)	400x450x470
Ext Dimensions (mm)	700x650x1100
Refrigeration	Cascade, 1/3hp ~1.5hpx1 Single Stage
Style	Chest
Weight	100 kg
Power	240V 50Hz



### Drop Dart & Specimen Holder Set

4.5kg approx.	265/340mm
9.0kg approx.	560/635mm
13.5kg approx.	850/925mm



### The Procedure of Test Specimen -

- Specimen to be cooled at ambient temperature for min 12 hours after manufacture.
- Specimen to be conditioned at  $-40^{\circ}\text{C}$  (as per AS4766 Table D1)
- Test specimen may be Square 125x125 or Circular 125mm for testing.
- Within 10sec of removal from the Freezer release the Dart and impact the specimen.
- Check the Acceptance Criteria at the specified Impact Energy (as per AS4766)
- Report the results (as per AS4766, Appendix D)

PETER KING TRADING can also supply the equipment that can assist to successfully pass the Low Temperature Impact Test outlined in AS/NZ 4766.

*Contact us for a full quotation & a copy of the Standard.*

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