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TECHNICAL DATA SHEET

Bulletin	: BAA: D 0032-2
Effective	: May 20, 2004
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ENVIROLINER

Safe, cost effective, quickly assembled, controlled humidity storage

The Enviroliner package includes special grade Thermoplastic material, Framework, chemical Dehumidifier with Trolley and Flexible pipes



- * Enviroliner is cost effective, energy efficient, short or long term low humidity storage.
- * Each Enviroliner is serviced by a chemical dehumidifier to maintain 35 – 40 % RH, although other levels can be achieved, if required.
- * Enviroliners are available in 13 standard modules/sizes with three (3) different height options of 3 mt, 3.5 mt and 4 mt.
- * Option for provision of internal lighting available.
- * Doors can be fitted to suit individual needs e.g personnel access, fork lift access, etc.
- * Provided with humidity indicator windows.
- * Especially sealed walls / panels and doors to minimize air infiltration.
- * Panel wall : Special grade thermo plastic material olive green in colour. Transparent and Translucent options also available.

Enviroliner material (Brypol)

- * Made of special grade Thermo Plastic material.
- * Stringently tested both in the laboratory and in then field under all climatic conditions.
- * Highly flexible/stretchable, reusable and moisture vapor resistant.
- * Weather resistant and is resistant to temperature ranging from 0°C to 60°C.
- * Has very low MVTR i.e moisture vapor transmission rate.
- * Resistant to UV, organism fungus, rodent, wind, oils, chemicals, grease, alcohol, air pollution and sea water
- * Flame/fire retardant and is self extinguishing, doesnot support combustion.
- * Light in weight and easily handled.
- * Has minimum life span of 7 to 8 years.

Chemical dehumidifer :

- * A totally self contained, CNC fabricated, powder coated finished unit.
- * High performance metal silicates synthesized in situ rotor media
- * Non flammable, water washable Rotor
- * Easy to install, operate & maintain
- * Suitable for continuous operation
- * Mounted on trolley



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Enviroliner

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Enviroliner is available as per the following standard Dimensions:

Length	Width	Height- 3.0 m	Height- 3.5 m	Height- 4.0 m
		Volume	Volume	Volume
mt (ft)	mt (ft)	Cumt (Cuft)	Cumt (Cuft)	Cumt (Cuft)
3 (9.8)	3 (9.8)	27 (953)	31.5 (1112)	36 (1270)
3.0 (9.8)	4.0 (13.1)	36 (1270)	42 (1482)	48 (1694)
4.0 (13.1)	4.0 (13.1)	48 (1694)	56 (1976)	64 (2258)
4.0 (13.1)	5.0 (16.4)	60 (2117)	70 (2470)	80 (2823)
5.0 (16.4)	5.0 (16.4)	75 (2647)	87.5 (3088)	100 (3529)
5.0 (16.4)	6.0 (19.7)	90 (3176)	105 (3705)	120 (4235)
5.0 (16.4)	7.0 (23.0)	105 (3705)	122.5 (4323)	140 (4940)
6.0 (19.7)	6.0 (19.7)	108 (3811)	126 (4446)	144 (5081)
6.0 (19.7)	8.0 (26.2)	144 (5081)	168 (5928)	192 (6775)
6.0 (19.7)	10.0 (32.8)	180 (6352)	210 (7410)	240 (8469)
7.0 (23.0)	7.0 (23.0)	147 (5187)	171.5 (6052)	196 (6916)
7.0 (23.0)	10.0 (32.8)	210 (7410)	245 (8645)	280 (9881)
7.0 (23.0)	12.0 (39.4)	252 (8892)	294 (10375)	336 (11857)

Note :

1. Dehumidifier selection is at 35± 5% RH internal design(space) of 35°F temperature at ambient humidity of 155 grs/# (max.)
2. For Volume > 336 cu mt or Volume < 27 Cu mt P.O.R
3. Enviroliner prices are inclusive of Material, framework, dehumidifier, trolley & Standard flexible pipes.

For designating the size selected and for ordering , the following nomenclature /referencing system is provided:

Model number shall be designated as : " ENV-- L B H"

L = Length of enviroliner

B = Width of enviroliner

H = Height of enviroliner

e.g

For Enviroliner of 3 mt x 3 mt x 3.0 mt (Ht) size,the model no. shall be : "ENV-030303"

For Enviroliner of 3 mt x 3 mt x 3.5 mt (Ht) size,the model no. shall be : "ENV-030335"

For Enviroliner of 7 mt x 12 mt x 3.5 mt (Ht) size,the model no. shall be : "ENV-071235"

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