

Vent Dryers

Protecting Drums, Tank & Reservoirs



Protection against:

- ◆ High humidity
- ◆ Water condensation
- ◆ Fluid contamination
- ◆ Sedimentation
- ◆ Viscosity changes

*We care about
your oil*

The BROWNELL range of Vent Dryers has been developed to protect storage drums, tanks and reservoirs during use and operation. Many fluids are hygroscopic (adsorb water vapour and condensate) in nature. Once exposed to normal atmospheric humidity these materials will adsorb water vapour. Water vapour which subsequently condenses can cause a fluid to be permanently damaged from the resulting physical and chemical changes.

Key Features

- Quick and easy to install
- Visual colour change
- Prevents product contamination
- Rechargeable
- No energy requirements
- Constant protection
- Minimised pressure differentials
- Provide full weather protection
- Assist flame suppression
- Reduced odour emissions
- Dual thread mounting option



Water vapour can be seen being adsorbed by the silica gel desiccant at the orange/green interface and as it progresses through the adsorbent bed.

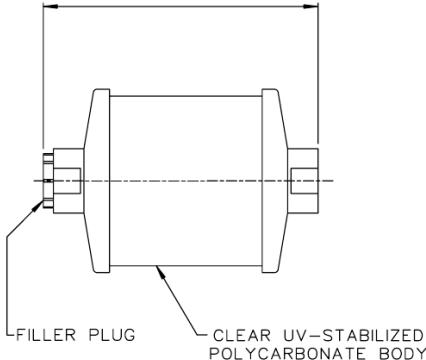
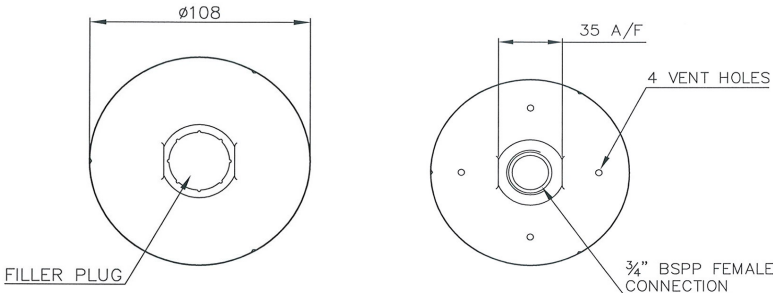
Activated Carbon

The addition of activated carbon to Vent Dryers enables the adsorption of volatile organic compounds and the release of smells and odours.

Typical Applications:

- Treatment of odours
- Industrial air filtration
- Removal of exhaust fumes
- Fumes, odour & outgassing removal
- Solvent recovery
- Toxic gas control
- Waste water treatment

Specifications



The Vent Dryer begins to work from the moment it is installed. Practical field trials have demonstrated that when a Vent Dryer is fitted to a new drum, tank or reservoir of polished fluid the airspace above the fluid is safe from condensation within a few hours.

Air movement results from changes in temperature, barometric pressure and fluid pumping.

Suitable for:
205 litres drums and
1000 litres reservoirs

| Selection | Standard Duty Industrial | Heavy Duty Industrial | Standard Duty Ultra Clean | Heavy Duty Ultra Clean |
|-----------------------------|---|-----------------------|---|------------------------|
| Part No. | BL/D7870/01 | BL/D7870/02 | BL/D7548/01 | BL/D7548/02 |
| DIMN 'A' | 17cm | 27cm | 17cm | 27cm |
| Desiccant Capacity | 0.6kg | 1.2kg | 0.6kg | 1.2kg |
| Adsorption Capacity | 90 grams | 180 grams | 60 grams | 120 grams |
| Air Drying Capacity | 6 cubic meters | 12 cubic meters | 4 cubic meters | 8 cubic meters |
| Mounting Thread | $\frac{3}{4}$ BSPP (2" BSPP adapter available) | | $\frac{3}{4}$ BSPP (2" BSPP adapter available) | |
| Activated Carbon Order Code | BL/D7870/01/AC | BL/D7870/02/AC | BL/D7548/01/AC | BL/D7548/02/AC |

ENVIROGEL DESICCANT

BROWNELL Vent Dryers are filled with Envirogel Desiccant, which changes colour from orange to green as it becomes saturated with water vapour.

Brownell Vent Dryers are designed to enable the easy and quick replacement of the desiccant charge. When the colour change from orange to green has reached the level indicated on the label, charge should be replaced.



| Part No | Refill Qty | Packaging |
|-------------|------------|---------------------------|
| BL/D2807/89 | 0.6kg | Metal Foil Laminate Pouch |
| BL/D2807/90 | 1.2kg | Metal Foil Laminate Pouch |
| BL/D6331/05 | 12.5kg | Drum |
| BL/D6331/06 | 25.0kg | Drum |



All refills are packed for a 24 month shelf life and are supplied with resealable covers and lids.

The Friendly
ENVIROGEL
Adsorbent



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BROWNELL LIMITED
Unit 2, Abbey Road Industrial Park
Commercial Way
Park Royal
London NW10 7XF

Tel: 44(0)20 8965 9281
Fax: 44(0)20 8965 3239

e-mail: info@brownell.co.uk
www.brownell.co.uk