

# Vent Dryers

Protecting Drums, Tanks & Reservoirs



## Protection against:

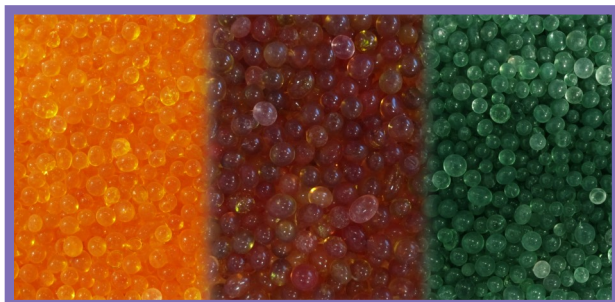
- ◆ High humidity
- ◆ Water condensation
- ◆ Fluid contamination
- ◆ Sedimentation
- ◆ Viscosity changes

*Caring for your oil  
and fluids*

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.

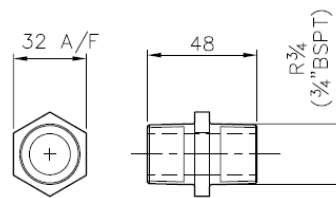
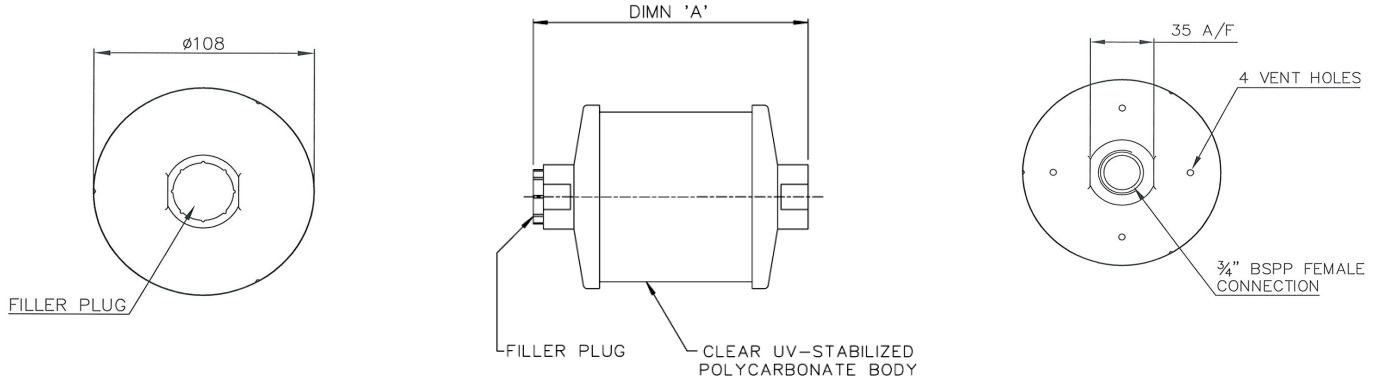
## Activated Carbon

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



This standard adaptor is supplied with the vent dryers

Suitable for:  
205 litres drums and  
1000 litres reservoirs

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.*

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'	16cm	25cm	16cm	25cm
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
Filtration	25 microns (nominal)		0.2 microns (nominal)	
Mounting Thread	Supplied with 3/4" BSPT Adaptor Part No. BLD7874			
Optional Adaptor	2" BSPT Part No. BLD7937			
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.



Brownell supply sealed replacement charges of Envirogel desiccant in the following sizes:

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	Resealable Bucket
BL/D6331/06	25.0kg	Resealable Bottle



All refills are packed for a 1 year shelf life.



**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  
 info@brownell.co.uk  
<https://brownell.co.uk>