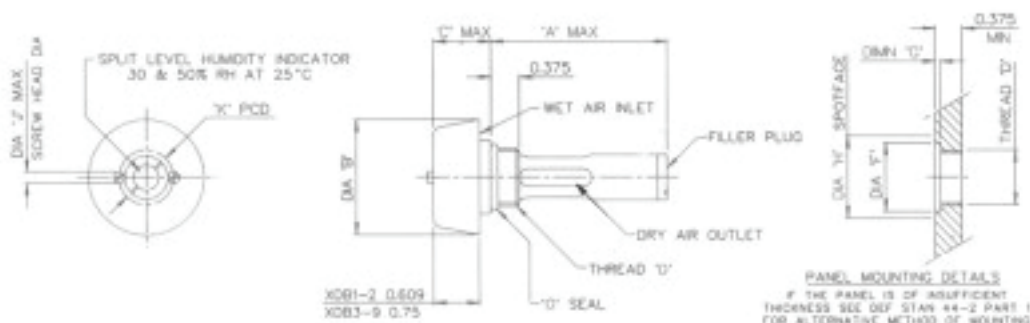


# BREATHERS & DRYERS: BREATHER DESICCATORS

## Breather Desiccators - Breather Tubes

Breather tubes incorporate a combined tubular body and indicator humidity plug. The plug is screwed into the equipment container from the outside. The air enters the desiccator through an annular inlet channel, which is covered by a strip of Polytetrafluorethylene (PTFE) coated wire mesh to prevent the ingress of rain, dust, insects and other particulates.

A tube is connected at one end to the annular channel, and the other end is covered by metal gauze to prevent particles of desiccant blocking it. The direction of airflow depends on the relative pressure differentials between the inside of the equipment and the surrounding atmosphere. If the external pressure is greater than the internal pressure, moist airflows from outside, through the annular channel and breather tube, to the desiccant. Dry air flows from the desiccant through a second tube to the equipment interior. If the pressure differential is reversed, the direction of the airflow is also reversed until pressure equalization is achieved.



Item #	"A" Max.	Dia. "B"	"C" Max.	Thread "D"	Desiccant Wt.	Desiccant Type
DH/D1462/1	2.407 in	1.5 in	0.766 in	0.75 UNEF	5 g	Silica Gel
DH/D1462/2	4.407 in	1.5 in	0.766 in	0.75 UNEF	10 g	Silica Gel
DH/D1462/3	2.094 in	2.187 in	1.016 in	1.25 x 20 UN	20 g	Silica Gel
DH/D1462/4	4.094 in	2.187 in	1.016 in	1.25 x 20 UN	40 g	Silica Gel
DH/D1462/5	4.032 in	2.437 in	1.016 in	1.5 x 20 UN	60 g	Silica Gel
DH/D1462/6	7.532 in	2.437 in	1.016 in	1.5 x 20 UN	100 g	Silica Gel
DH/D1462/7	8.532 in	3 in	1.016 in	2 x 20 UN	200 g	Silica Gel
DH/D1462/8	12.532 in	3 in	1.016 in	2 x 20 UN	300 g	Silica Gel
DH/D1462/9	13.532 in	3.5 in	1.016 in	2.25 x 20 UN	400 g	Silica Gel
DH/D1462/10	2.407 in	1.5 in	0.766 in	0.75 UNEF	5 g	Molecular Sieve
DH/D1462/11	4.407 in	1.5 in	0.766 in	0.75 UNEF	10 g	Molecular Sieve
DH/D1462/12	2.094 in	2.187 in	1.016 in	1.25 x 20 UN	20 g	Molecular Sieve
DH/D1462/13	4.094 in	2.187 in	1.016 in	1.25 x 20 UN	40 g	Molecular Sieve
DH/D1462/14	4.032 in	2.437 in	1.016 in	1.5 x 20 UN	60 g	Molecular Sieve
DH/D1462/15	7.532 in	2.437 in	1.016 in	1.5 x 20 UN	100 g	Molecular Sieve
DH/D1462/16	8.532 in	3 in	1.016 in	2 x 20 UN	200 g	Molecular Sieve
DH/D1462/17	12.532 in	3 in	1.016 in	2 x 20 UN	300 g	Molecular Sieve
DH/D1462/18	13.532 in	3.5 in	1.016 in	2.25 x 20 UN	400 g	Molecular Sieve

# BREATHERS & DRYERS: BREATHER DESICCATORS

## Breather Desiccators - Remote Breather Tubes

This range of breather desiccators are designed to be remotely mounted to the exterior of an equipment, allowing the equipment to breathe but provide desiccation protection at the same time. These units are ideal for providing protection to equipment that does not have adequate internal space to accommodate the required volume of desiccant media to protect the subject item. Special ultra high filtration units are also available and are tailored to specific optical applications.

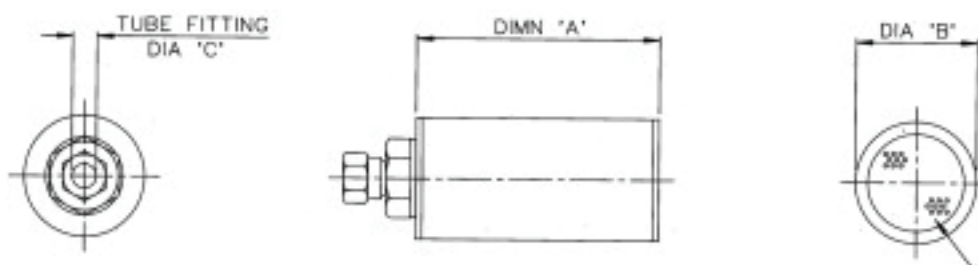
Note: Add prefix R if RF screening is required.

Example: (RXDB6MS 100 Gram Molecular sieve breather desiccator)

(RN1BT7 200 Gram Beaded silica gel remote breather)

Remote breather are provided with 1/8" or 1/4" compression tube fittings.

Filtration down to 0.5 micron nominal is available by special order.



Item #	Style	Dimension "A"	Dia. "B"	Dia. "C"	Desiccant Wt.	Capacity in Cu. Ft.	Desiccant Type
DH/D1097/01	NIBT1	2.25 in	0.75 in	0.25 in	5 g	0.25 ft	Silica Gel
DH/D1097/02	NIBT2	4 in	0.75 in	0.25 in	10 g	0.5 ft	Silica Gel
DH/D1097/03	NIBT3	2.5 in	1.25 in	0.25 in	20 g	1 ft	Silica Gel
DH/D1097/04	NIBT4	4.5 in	1.25 in	0.25 in	40 g	2 ft	Silica Gel
DH/D1097/05	NIBT5	3.5 in	1.5 in	0.25 in	60 g	3 ft	Silica Gel
DH/D1097/06	NIBT6	4 in	2 in	0.375 in	100 g	5 ft	Silica Gel
DH/D1097/07	NIBT7	7.25 in	2 in	0.375 in	200 g	10 ft	Silica Gel
DH/D1097/08	NIBT8	10 in	2 in	0.5 in	300 g	15 ft	Silica Gel
DH/D1097/09	NIBT9	13.75 in	2 in	0.5 in	400 g	20 ft	Silica Gel
DH/D1097/10	NIBT1MS	2.25 in	0.75 in	0.25 in	5 g	0.25 ft	Molecular Sieve
DH/D1097/11	NIBT2MS	4 in	0.75 in	0.25 in	10 g	0.5 ft	Molecular Sieve
DH/D1097/12	NIBT3MS	2.5 in	1.25 in	0.25 in	20 g	1 ft	Molecular Sieve
DH/D1097/13	NIBT4MS	4.5 in	1.25 in	0.25 in	40 g	2 ft	Molecular Sieve
DH/D1097/14	NIBT5MS	3.5 in	1.5 in	0.25 in	60 g	3 ft	Molecular Sieve
DH/D1097/15	NIBT6MS	4 in	2 in	0.375 in	100 g	5 ft	Molecular Sieve
DH/D1097/16	NIBT7MS	7.25 in	2 in	0.375 in	200 g	10 ft	Molecular Sieve
DH/D1097/17	NIBT8MS	10 in	2 in	0.5 in	300 g	15 ft	Molecular Sieve
DH/D1097/18	NIBT9MS	13.75 in	2 in	0.5 in	400 g	20 ft	Molecular Sieve

# BREATHERS & DRYERS: BREATHER DESICCATORS

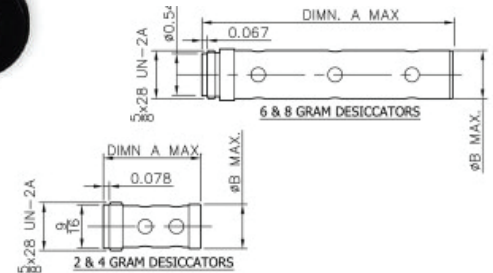
## Tubular Desiccators

Tubular desiccators provide protection against corrosion, dampness and contamination in electronic, electrical, optical, electro-optical, telecommunications, computer equipment etc. These desiccators do not incorporate a humidity indicator; however they can be fitted to a separate humidity indicator or mounting plug for panel mounting onto equipment.

A powerful adsorbing agent (either molecular sieve or silica gel) reduces the existing or incoming moisture to acceptable levels. The use of molecular sieve desiccant is recommended when the equipment may be subject to immediate failure as a result of water vapour condensation. The molecular sieve desiccant maintains an ultra low relative humidity for extremely sensitive applications. It is most suitable for applications where equipment or enclosures may be subject to operation at low temperatures and water vapor condensation must not occur.

### DHD1077/01-08 - 2g to 8g Non-Refill Tubular Desiccator - 5/8 x 28 UN-2A

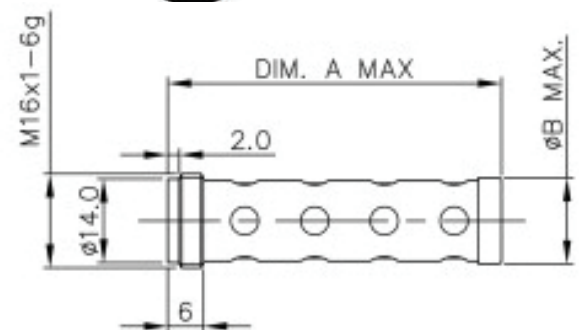
These desiccators can be filled with either silica gel or molecular sieve desiccant. They are designed to be used along side our range of Panel Mounting Humidity Indicators such as DHD1080. The unit as designed to be disposable as they cannot be refilled.



Item #	Style	Dimension A	Diameter B	Desiccant Weight	Desiccant
DHD1077/01	DT1	1.312 in	0.590 in	2 Min	Silica Gel
DHD1077/02	DT2	2.312 in	0.590 in	4 Min	Silica Gel
DHD1077/03	DT3	3.312 in	0.645 in	6 Min	Silica Gel
DHD1077/04	DT4	4.312 in	0.645 in	8 Min	Silica Gel
DHD1077/05	DT1MS	1.312 in	0.590 in	2 Min	Molecular Sieve
DHD1077/06	DT2MS	2.312 in	0.590 in	4 Min	Molecular Sieve
DHD1077/07	DT3MS	3.312 in	0.645 in	6 Min	Molecular Sieve
DHD1077/08	DT4MS	4.312 in	0.645 in	8 Min	Molecular Sieve

### DHD1397/01-08 - 2g to 8g Non-Refill Tubular Desiccator - M16 x 1.0

These desiccators can be filled with either silica gel or molecular sieve desiccant. They are designed to be used along side our range of Panel Mounting Humidity Indicators such as DHD1080. The unit as designed to be disposable as they cannot be refilled.

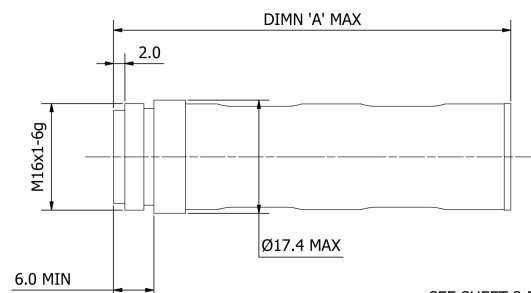


Item #	Style	Dimension A	Dimension B	Desiccant
DHD1397/01	DT1M	33 mm	15 mm	Silica Gel
DHD1397/02	DT2M	58 mm	15 mm	Silica Gel
DHD1397/03	DT3M	83 mm	16.5 mm	Silica Gel
DHD1397/04	DT4M	108 mm	16.5 mm	Silica Gel
DHD1397/05	DT1MMS	33 mm	15 mm	Molecular Sieve
DHD1397/06	DT2MMS	58 mm	15 mm	Molecular Sieve
DHD1397/07	DT3MMS	83 mm	16.5 mm	Molecular Sieve
DHD1397/08	DT4MMS	108 mm	16.5 mm	Molecular Sieve

# BREATHERS & DRYERS: BREATHER DESICCATORS

## DHD2713/01-08 - 2g to 8g Non-Refill Tubular Desiccator - M16 x 1.0

These desiccators can be filled with either silica gel or molecular sieve desiccant. They are designed to be used along side our range of Panel Mounting Humidity Indicators such as DHD1519. The unit as designed to be disposable as they cannot be refilled.

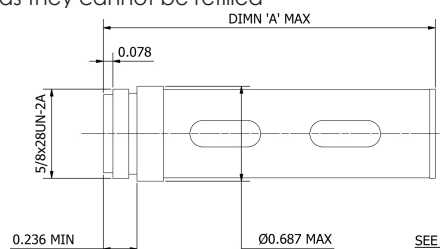


SEE SHEET 2 FC

Item #	Style	Desiccant Weight	Dimension A	Thread	Desiccant
DHD2713/01	RCT1MMS	2 g	33.5 mm	M16 x 1.0	Molecular Sieve
DHD2713/02	RCT2MMS	4 g	60 mm	M16 x 1.0	Molecular Sieve
DHD2713/03	RCT3MMS	6 g	85 mm	M16 x 1.0	Molecular Sieve
DHD2713/04	RCT4MMS	8 g	110 mm	M16 x 1.0	Molecular Sieve
DHD2713/05	RCT5MBSG	2 g	33.5 mm	M16 x 1.0	Silica Gel
DHD2713/06	RCT6MBSG	4 g	60 mm	M16 x 1.0	Silica Gel
DHD2713/07	RCT7MBSG	6 g	85 mm	M16 x 1.0	Silica Gel
DHD2713/08	RCT8MBSG	8 g	110 mm	M16 x 1.0	Silica Gel

## DHD2713/13-24 - 2g to 8g Non-Refill Tubular Desiccator - 5/8 x 28 UN-2A

These desiccators can be filled with either silica gel or molecular sieve desiccant. They are designed to be used along side our range of Panel Mounting Humidity Indicators such as DHD1519. The unit as designed to be disposable as they cannot be refilled.



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Item #	Style	Desiccant Weight	Dimension A	Thread	Desiccant
DHD2713/13	RCT13	2 g	1.32 in	5/8 x 28 UN-2A	Molecular Sieve
DHD2713/14	RCT14	4 g	2.362 in	5/8 x 28 UN-2A	Molecular Sieve
DHD2713/15	RCT15	6 g	3.346 in	5/8 x 28 UN-2A	Molecular Sieve
DHD2713/16	RCT16	8 g	4.330 in	5/8 x 28 UN-2A	Molecular Sieve
DHD2713/17	RCT17	2 g	1.32 in	5/8 x 28 UN-2A	Silica Gel
DHD2713/18	RCT18	4 g	2.362 in	5/8 x 28 UN-2A	Silica Gel
DHD2713/19	RCT19	6 g	3.346 in	5/8 x 28 UN-2A	Silica Gel
DHD2713/20	RCT20	8 g	4.330 in	5/8 x 28 UN-2A	Silica Gel
DHD2713/21	RCT21	15 g	5.250 in	5/8 x 28 UN-2A	Molecular Sieve
DHD2713/22	RCT22	18 g	6.250 in	5/8 x 28 UN-2A	Molecular Sieve
DHD2713/23	RCT23	15 g	5.250 in	5/8 x 28 UN-2A	Silica Gel
DHD2713/24	RCT24	18 g	6.250 in	5/8 x 28 UN-2A	Silica Gel

# BREATHERS & DRYERS: BREATHER DESICCATORS

## DHD5060/01-08 - 2 g to 45 g Panel Mounting Breather Desiccator

Our range of static panel mounting desiccator are combined with relative humidity indicators which are a visual indication of when the desiccator has fully adsorbed. The desiccant cartridge on the rear of the plug can be replaced once fully adsorbed and features R.F. Screening Continuity



Item #	Desiccant Weight	Total Weight	Dimension A	Thread B
DHD5060/01	2 g	26 g	37.5 mm	M20 x 1.5
DHD5060/02	4 g	31 g	64 mm	M20 x 1.5
DHD5060/03	6 g	37 g	89 mm	M20 x 1.5
DHD5060/04	8 g	42 g	114 mm	M20 x 1.5
DHD5060/05	10 g	55 g	64 mm	M25 x 1.5
DHD5060/06	15 g	72 g	109 mm	M25 x 1.5
DHD5060/07	25 g	112 g	84 mm	M35 x 1.5
DHD5060/08	45 g	145 g	129 mm	M35 x 1.5

## DHD8743/01-04 - 40 g Panel Mounting Desiccator

This style of desiccator are combined with a split relative humidity indicators which are a visual indication of when the desiccator has fully adsorbed. All have the same M32x1.5-6g thread but vary in configuration. The desiccant cartridge on the rear has a filler plug to easily change out used desiccant. It can also be supplied with or without RF Screening.



Item #	Desiccant	Desiccant Weight	Indicator Levels	R.F Screened
DHD8743/01	Silica Gel	40 g	30/50% RH	No
DHD8743/02	Molecular Sieves	40 g	15/30% RH	No
DHD8743/03	Silica Gel	40 g	30/50% RH	Yes
DHD8743/04	Molecular Sieves	40 g	15/30% RH	Yes

# BREATHERS & DRYERS: BREATHER DESICCATORS

## DHD4318/01-10 - 20 g & 40 g Panel Mounting Breather Desiccator

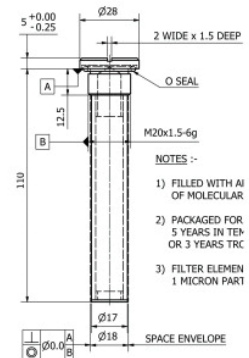
Our range of static panel mounting desiccator are combined with relative humidity indicators which are a visual indication of when the desiccator has fully adsorbed. This style of unit can be recharged with new desiccant and can be supplied with R.F. Screening Continuity.



Item #	Length "A"	Thread "B"	Desiccant Wt.	Desiccant Type	Indicator Levels	R.F. Screen
DHD4318/01	2.084 in	1.25 x 20 UN	20 g	Silica Gel	30/50%	No
DHD4318/02	2.084 in	M32 x 1.5	20 g	Silica Gel	30/50%	No
DHD4318/03	2.084 in	M32 x 1.5	20 g	Molecular Sieve	15/30%	Yes
DHD4318/04	2.084 in	M32 x 1.5	20 g	Silica Gel	30/50%	Yes
DHD4318/05	2.084 in	1.25 x 20 UN	20 g	Silica Gel	30/50%	Yes
DHD4318/06	106 mm	M32 x 1.5	40 g	Silica Gel	30/50%	No
DHD4318/07	106 mm	M32 x 1.5	40 g	Silica Gel	30/50%	Yes
DHD4318/08	106 mm	M32 x 1.5	40 g	Molecular Sieve	15/30%	No
DHD4318/09	106 mm	M32 x 1.5	40 g	Molecular Sieve	15/30%	Yes
DHD4318/10	2.084 in	M32 x 1.5	20 g	Silica Gel	None	No

## DHD9774 - 11g ZEOLITE Panel Mounting Desiccator

This is an example of a ultra clean desiccator as the desiccant cartridge is made from 1 micron filtration element. It does not have an indicator so require a separate plug unit. DRYTECH offer a large range of ultra clean units including items with a combined humidity indicator.



# BREATHERS & DRYERS: BREATHER DESICCATORS

## DHD6998 - 11 g Panel Mounting Breather Desiccator

This is an example of a customer designed desiccator which also incorporates a split level humidity indicator. DRYTECH can design and manufacture units to specific customer needs, please contact us for help.



## DHD4967 - 38 g Panel Mounting Breather Desiccator

This static panel mounting desiccator has a slot to help with insertion of the unit into equipment. It should be used along side a panel mounting humidity indicator plug (30%/50%) This style of unit is disposable as the desiccant cannot be replaced.



## DHD5267 - 45 g Panel Mounting Breather Desiccator

Our range of static panel mounting desiccator can be combined with relative humidity indicators which are a visual indication of when the desiccator has fully adsorbed. The desiccant cartridge on the rear of the unit is a sintered plastic which offers good dust retention and is also non-conductive.



## DHD4624 - 100 g Panel Mounting Breather Desiccator

Our range of static panel mounting desiccator are combined with relative humidity indicators which are a visual indication of when the desiccator has fully adsorbed. This style of unit can be recharged with new desiccant and can be supplied with R.F. Screening Continuity.



# BREATHERS & DRYERS: BREATHER DESICCATORS

## Metal Panel Mounting Breather Desiccators

Panel mounted desiccators provide protection against corrosion, dampness and contamination in electronic, electrical, telecommunications, computer equipment etc. These desiccators incorporate a humidity indicator, which monitors saturation and indicates when desiccant change or cartridge replacement is required. They are blue when the desiccant is dry and turn pink when the maximum amount of moisture has been adsorbed.

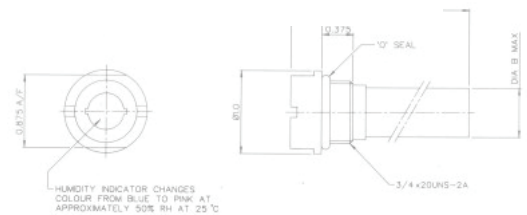
A powerful adsorbing agent molecular sieve reduces the existing or incoming moisture to acceptable levels. The use of molecular sieve desiccant is recommended when the equipment may be subject to immediate failure as a result of water vapour condensation. The molecular sieve desiccant maintains an ultra low relative humidity for extremely sensitive applications. It is most suitable for applications where equipment or enclosures may be subject to operation at low temperatures and water vapour condensation must not occur.

### DHD6088/01-04 - 2g to 8g Panel Mounting Desiccator

This style of desiccator are combined with a single relative humidity indicators which are a visual indication of when the desiccator has fully adsorbed. All have the same 3/4 x 20UNS-2A thread but vary in length. The desiccant cartridge can be unscrewed from the humidity indicator plug went spent and replaced with a fresh unit



Item #	Dimension A	Diameter B	Desiccant Weight
<b>DHD6088/01</b>	1.468	0.590	2 g
<b>DHD6088/02</b>	2.468	0.590	4 g
<b>DHD6088/03</b>	3.468	0.645	6 g
<b>DHD6088/04</b>	4.468	0.645	8 g



DRG No	STYLE	DMN A MAX	DIA B MAX	NOMINAL CONTENT
BL/08088/01	SA2COMP	1.468	0.590	2 GRM
BL/08088/02	SA2COMP	2.468	0.590	4 GRM
BL/08088/03	SA3COMP	3.468	0.645	6 GRM
BL/08088/04	SA4COMP	4.468	0.645	8 GRM

NOTE: FILLED WITH BEADED SILICA GEL DESICCANT TO B57554.

### DHD6089/01-04 - 2g to 12g Panel Mounting Breather Desiccator

This style of desiccator are combined with a single relative humidity indicators which are a visual indication of when the desiccator has fully adsorbed. All have the same 3/4 x 20UNS-2A thread but vary in length. The desiccant cartridge can be unscrewed from the humidity indicator plug went spent and replaced with a fresh unit.



Item #	Dimension A	Diameter B	Desiccant Weight
<b>DHD6089/01</b>	1.468	0.590	2 g
<b>DHD6089/02</b>	2.468	0.590	4 g
<b>DHD6089/03</b>	3.468	0.645	6 g
<b>DHD6089/04</b>	4.468	0.645	8 g

