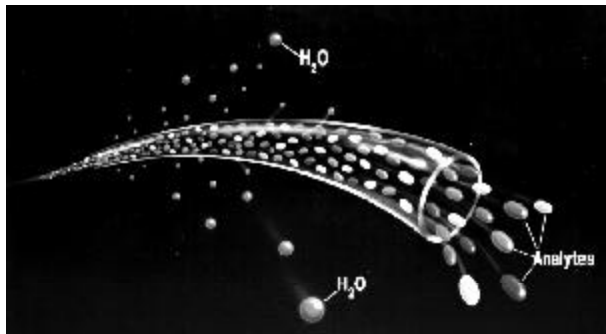


PRINCIPLE OF OPERATION



DMTM-Series gas dryers combine selectivity of Nafion[®] gas dryers with the simplicity of desiccant canister dryers. Gaseous sample flowing through the dryer contacts only Nafion tubing, which selectively absorbs water vapor while retaining the remaining sample components in the gas stream. Water passing through the tubing wall is absorbed by the molecular sieve desiccant. Scattered blue indicating crystals can be observed through the clear window to monitor the condition of the desiccant.

Nafion[®] is a registered trademark of DuPont
DMTM is a trademark of Perma Pure LLC.

Bulletin 202

DMTM - Series Gas Dryer

User Manual



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DM GAS DRYER SPECIFICATIONS

Model Number	DM-060-24	DM-110-24
O.D.	0.060"	0.110"
I.D.	0.049"	0.085"
Flow Rate	Up to 500mL/min	Up to 1L/min
Housing	4.2"x2.4"x1.0"	5.0"x2.75"x1.5"
Desiccant	2.5 oz.	5.5 oz.
Drying/Charge	72L	150L

INSTALLATION

Luer Fittings

DM-060-24 include two sets of barb fittings:
1/16" and 1/8"

DM-110-24 include one set of 1/8" barb fittings

Units ship with plugs on the bulkhead fittings.

Before use, take plugs off and replace with barb fittings.

Stainless Steel Compression Fittings

Compression fittings take 1/8" tubing

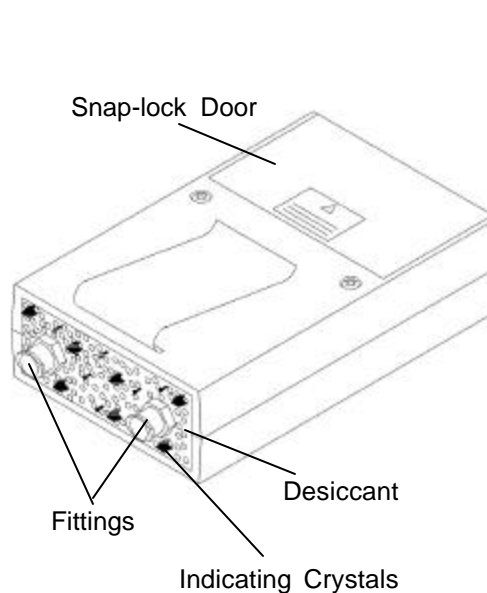


Figure 1

REPLACING DESICCANT

When blue indicating crystals turn pink, desiccant needs to be replaced.

1. Take off fittings/tubing
2. Remove snap-lock door on canister (Refer to Figure 1)
3. Empty spent desiccant
4. Refill with new desiccant
5. Replace snap-lock door

PART NUMBERS FOR REPLACEMENT

Part Number	Description
DM-AR	1 Liter (provides 10 refills)
ME-060-24BB	Replacement dryer for DM-060-24
ME-110-24BB	Replacement dryer for DM-110-24

PERFORMANCE

DM-Series dryers continuously dries sample gases down to -30°C dew point depending on flowrate.