



FILTER DRIERS

Danfoss DML Series

BRAND

Danfoss

SKU

RC_PROD_016

CATEGORY

Filter Driers



OVERVIEW

Danfoss DML hermetic filter driers protect refrigeration and air-conditioning systems from moisture, acids, and solid particles. With these contaminants eliminated, systems are protected from harmful chemical reactions (acid formation by hydrolysis) and abrasive damage to the compressor, expansion device, and solenoid valves. The DML uses a 100% molecular sieve solid core, giving high drying capacity. The bonded solid-core grains cannot move against each other, eliminating powder formation, and the relatively large drier diameter keeps liquid flow velocity suitably low. As a reference point from Danfoss documentation, a DML 53 can reduce moisture in 8.5 kg of R134a from 1050 ppm to 75 ppm at 24 °C. (The companion DCL series uses an 80/20 molecular sieve/activated alumina blend for acid adsorption in high-condensing-temperature systems.)

KEY FEATURES

100% molecular sieve core
maximum drying capacity, minimized acid formation risk

HFC and HCFC compatibility
recommended; will not deplete oil additives

Broad refrigerant compatibility
R134a, R404A, R32, R410A, R407C, R290, R600a,
R1234yf/ze, R448A/449A/450A/452A and more

Connection versions
solder (Cu-plated steel) and flare connection versions

SPECIFICATIONS

PARAMETER	VALUE
CORE	100% molecular sieve (DML); solid bonded core
FUNCTION	Moisture adsorption + particle filtration in liquid line
CONNECTIONS	Flare and solder (Cu-plated steel / copper), common line sizes