

Title (en)  
MOLDED CORE FILTER DRIER

Title (de)  
TROCKNUNGSFILTER MIT GEFORMTEM KERN

Title (fr)  
DESHYDRATEUR A NOYAU AGGLOMERE

Publication  
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Application  
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Abstract (en)  
[origin: WO03064941A1] This filter-drier (10,110,210,310) for removing moisture from a refrigerant includes a casing (12, 112, 212, 320) having an inlet (16, 116, 216, 316) for receiving refrigerant, an outlet (18, 118, 218, 318) for discharging refrigerant and a molded core (30, 130, 230, 330). In one embodiment (FIG. 1), the molded core (30) includes an outer surface at least in part engaging the inner surface of the casing (12). The core (30) is held within the casing (12) against axial movement by bonding with the casing or by an indentation (22) protruding into the core or both. In another embodiment (FIG. 7), the filter-drier molded core (130) includes a filter media pad (150) bonded to the core. In another embodiment (FIG. 11), the filter-drier (310) suitable for reversible operation includes a hollow cylindrical core (330) defining a filter media lined passage (332) and being held in place by end plates (340, 341) having opposed axial check valves (342) and offset check valves (344). Methods of manufacturing the above filter-driers (10, 110, 210, 310) are described.

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