

TFD - Series Replaceable Cartridge Driers

Application

TFD are replaceable cartridge driers for all kind of refrigeration and air conditioning systems

Features, Advantages and Benefits

- * Special desiccant blend molded core, for HFC refrigerants and POE oils.
- * High moisture, acids and dirt removal capacity.
- * For use with R448A, R449A, R-410A, R-134a, R-404A/507 and blends.
- * Designed for general protection of refrigeration systems.
- * Capacities from 6.3 to 21 kW.
- * Shock resistant steel shell construction.
- * For use with our IHN moisture indicators (not included).
- * Corrosion resistant electrostatic powder paint.
- * Approved by: UL/CUL file SA7175
- * Maximum Working Pressure 34.5 bar.
- * Burst Pressure 172.4 bar.

TFD series replaceable cartridge filter-driers for liquid line are designed to perform the important tasks of cleaning contaminants from a refrigeration or air conditioning system with the added benefit of a quick change out of driers. As easy as changing a light bulb, simply unscrew the old drier and screw on the replacement drier.

The internal construction of the TFD filter-drier features the use of an inlet filter media that provides superior system filtration down to 5 micron range. This media allows for greater solid contaminant capacity with a minimum pressure drop. A spring loaded construction against an internal gasket eliminates refrigerant bypass and provides a rugged shock proof drier.

The TFD filter-drier cartridge is suitable for use in transport refrigeration and air conditioning systems, in refrigerant reclaim, recover and recycle equipment, as well as a vacuum pump filter.

Nomenclature

EXAMPLE: TFD-12	
TFD	12
Model	Drier size in cu. in.

Dimensional Data

MODEL	SHELL DIA. mm (in)	OVERALL LENGTH mm (in)
TFD-08	51 (2.0)	115 (4.51)
TFD-12	51 (2.0)	153 (6.01)
TFD-20	64 (2.5)	163 (6.41)
TFD-30	64 (2.5)	213 (8.37)

Capacity Table (kW)

MODEL	FLOW CAPACITY Kw @ 0.069 bar			WATER CAPACITY-drops (ppm*)					
				24 °C			52 °C		
	R-134a	R-410A R-448A R-449A	R-404A/507	R-134a	R-410A R448A R449A	R-404A/507	R-134a	R-410A R448A R449A	R-404A/507
TFD-08	8.4	10.5	6.3	150.0	150.0	156.0	105.0	105.0	109.0
TFD-12	15.8	17.6	11.6	176.0	176.0	261.0	120.0	120.0	182.0
TFD-20	17.9	20.4	13.4	269.0	268.0	400.0	188.0	188.0	278.0
TFD-30	19.0	21.0	14.0	430.0	430.0	640.0	292.0	292.0	445.0

All ratings according to ARI Standard 710-86.

*20 drops of water = 1 gram = 1 cc.

IHN - Series Liquid and Moisture Indicators

Application

IHN series moisture indicators are designed for use with all TFD replaceable cartridge filter driers.

Features, Advantages and Benefits

- * Removable sight glass assembly.
- * For use with TFD cartridge filter driers.
- * Wide angle viewing for high visibility.
- * Accurate color calibration at low ppm level and higher temperatures.
- * Approved by: UL file *SA9566*
CSA file *LR100624*
- * Maximum Working Pressure 34.5 bar.
- * Burst Pressure 172.4 bar.

Nomenclature

EXAMPLE: IHN-4S		
IHN	4	S
Series	Connections size in 1/8"	Connection style: S = ODF Omitted for flare

IHN series liquid and moisture indicators are designed to with a removable sight glass assembly for cleaning and replacement of the moisture indicator element. This design is perfect for use with our TFD cartridge driers in Recovery, Recycle and Reclaim equipment, as well as for use in standard refrigeration systems.

The large sight glass area in the IHN moisture indicator shows at a glance the condition of the refrigerant system. The moisture indicator element changes color and indicate if the system is safely dry or dangerously wet.

Dimensional Data

MODEL	CONNECTION TYPE mm (inch)	OVERALL LENGTH mm (inches)	OVERALL HEIGHT mm (inches)
IHN-3S	3/8 SOLDER	105 (4.14)	59 (2.31)
IHN-4S	1/2 SOLDER	97 (3.82)	
IHN-5S	5/8 SOLDER	96 (3.77)	