

The EKIM liquid line filter drier is a premium compacted bead filter drier with a 20 micron outlet pad for maximum filtration. The EKIM is a premium universal replacement liquid line filter drier for CFC, HCFC and HFC refrigerants including R-448A, R-449A, R-134a, R-22, R-404A, R-407C, R-410A, R-500, R-502, and R-507.

**R-410A**



### Features

- Filtration first for more effective use of surface area of desiccant
- High moisture and acid removal capacity
- Solid copper connections
- Corrosion resistant epoxy powder paint finish
- Approved for POE oils with Copeland™ compressors
- Shock resistant steel shell construction
- U/L, RoHS certified

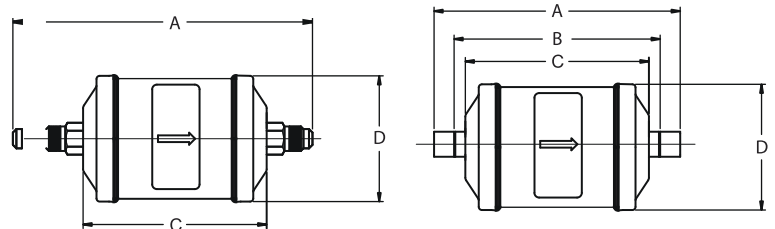
### Specifications

- Desiccant blend - optimized for high water capacity and acid capacity
- Filtration: 20 microns
- Maximum working pressure: 680 psig (47 bar)

### Nomenclature example: EKIM 0835

EKIM	08	3	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections F = SAE connection (Flare)

### Dimensional Data



### Capacity Table

PCN	Description	Connections Inlet/outlet	Water Capacity drops of water										Flow Capacity Ton @ 1psi ΔP (for kW, multiply Ton by 3.5)			
			R-134a		R-22		R-407C		R-410A		R-404A & R-507		R-134a	R-22 & R-410A	R-407C	R-404A & R-507
			75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F				
018300	032F	1/4 SAE	41	39	40	35	34	26	22	20	40	39	2	2.2	2.1	1.4
018301	032S	1/4 ODF											2.7	2.9	2.9	2
018302	033F	3/8 SAE											3	3.3	3.2	2.2
018303	033S	3/8 ODF	121	110	116	99	100	80	66	61	123	110	3.5	3.8	3.8	2.5
018306	053F	3/8 SAE											4.6	4.8	4.8	3.5
018307	053S	3/8 ODF											4	4.5	4.5	3
018310	083F	3/8 SAE	246	227	241	203	205	159	164	123	230	225	4.5	4.9	4.9	3.5
018311	083S	3/8 ODF											6.7	7.5	7	5
018312	084F	1/2 SAE											7.1	7.7	7.5	5
018313	084S	1/2 ODF	384	348	375	320	312	246	212	194	359	348	4	4.2	4.2	3
018314	163F	3/8 SAE											4.5	4.8	4.7	3.2
018315	163S	3/8 ODF											8.5	9.5	9.2	6.2
018316	164F	1/2 SAE											8.5	9.5	9	6.2
018317	164S	1/2 ODF											9.7	10.5	10.3	7
018318	165F	5/8 SAE											10.1	10.9	10.7	7.3
018319	165S	5/8 ODF														

## Capacity Table

PCB	Description	Connections Inlet/outlet	Water Capacity drops of water										Flow Capacity Ton @ 1psi ΔP ( for kW, multiply Ton by 3.5)			
			R-134a		R-22		R-407C		R-410A		R-404A & R-507		R-134a	R-22 & R-410A	R-407C	R-404A &R-507
			75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F				
018324	303F	3/8 SAE	681	628	668	572	562	446	528	364	646	625	4.5	4.8	4.6	3.5
018323	303S	3/8 ODF											6.4	6.8	6.7	4.8
018326	304F	1/2 SAE											8.5	9	8.6	6
018325	304S	1/2 ODF											10.5	10.9	10.6	7.5
018328	305F	5/8 SAE											10.8	11.8	11.3	7.9
018327	305S	5/8 ODF											10.8	11.8	11.3	7.9
018329	306S	3/4 ODF											15	16.5	15.7	10.9
018330	307S	7/8 ODF											16.9	18.5	17.9	12.5
018332	309S	1-1/8 ODF											19.9	21.5	20.8	14.5
018334	414F	1/2 SAE	962	877	934	797	784	623	733	477	897	872	10.5	11.5	11.5	7.6
018335	414S	1/2 ODF											10.9	11.8	11.8	7.9
018336	415F	5/8 SAE											12.5	13.5	12.6	8.8
—	415S	5/8 ODF											12.2	13.6	13	8.8
018337	417S	7/8 ODF											20.5	22.5	21.8	14.9
018338	419S	1-1/8 ODF											27.8	30.5	29.8	20.5
018339	757S	7/8 ODF	2214	2072	2194	1905	1855	1496	1490	1140	2068	2072	23.4	25.7	23.8	17.1
018340	759S	1-1/8 ODF											26.8	29.1	34.8	19.4

## Notes:

1. All ratings in accordance with ARI Standard 710-04. 86°F liquid refrigerant temperature.
2. Water capacities are based on :

A) 5°F Saturated Vapour Temperature	B) Equivalent point Dryness (EPD) of
3.1 lbs./min./ton for R-134a	50 parts per million for R-134a, R404-A/507,
2.9 lbs./min./ton/ for R-22 and R-407C	R-410A, R-407C
4.0 lbs./min./ton for R-404A/507	60 parts per million for R-22
2.7 lbs./min./ton for R-410A	-

3. 20 drops of water =1 gram = 1cc
4. For 2 psi P, Multiply values by 1.4

### Ordering Information

MODEL	OUTER DIA	BODY LENGTH	STOPPER TO STOPPER LENGTH	OVERALL LENGTH
	(ØD mm)	(C mm)	(B mm)	(A mm)
032F	Ø42	67	--	113
032S			--	102
033F			97	117
033S			--	121
053F	Ø63.5	78	--	132
053S			104.3	128
083F			--	153
083S		99	125.3	149
084F			--	159
084S			125.3	149
163F			--	176
163S		122	148.3	172
164F			--	182
164S			148.3	172
165F			--	190
165S			148.3	172
303F			--	244
303S			216.3	240
304F			--	250
304S	Ø76.2	190	216.3	240
305F			--	258
305S			216.3	240
306F			--	264
306S			216.3	240
307S			220	264
309S			220	274
413F	Ø88.9	198	--	258
414S			224.3	248
415F			--	266
415S			--	262
417S			228	272
419S			228	282
757S		311	341	385
759S				395