

The EKZ Liquid Line filter drier is a premium OEM R-410A filter drier with 20 micron filtration for maximum protection.

Features

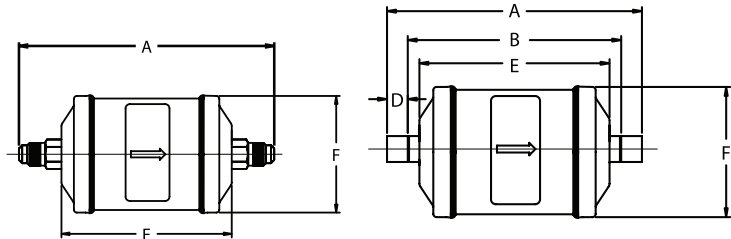
- Filtration first for more effective use of desiccant
- High moisture removal capacity to prevent POE oil damage
- Solid copper connections
- Corrosion resistant epoxy powder paint finish
- Copeland™ brand products approved for POE Oils
- Shock resistant steel shell construction



Specifications

- Desiccant blend - 100% molecular sieve
- Filtration: 20 microns
- Maximum working pressure: 680 psig
- UL/CUL file number: SA 3124

Dimensional Data



Nomenclature example: EKZ-083S

EKZ	08	3	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections

Ordering Information

Description	Dimension (in)					Weight (lbs)
	A	B	D	E	F	
EKZ-032S	3.94	3.25	0.35	2.57	1.75	0.62
EKZ-033S	4.03	2.79	0.62			
EKZ-052S	4.15	3.46	0.35	3.00	2.64	0.99
EKZ-0525S	4.20	3.56	0.32			
EKZ-053S	4.48	3.24	0.62			
EKZ-054S	4.58	3.58	0.50			
EKZ-083S	5.29	4.05	0.62	3.80	2.64	1.15
EKZ-084S	5.33	4.07	0.63			
EKZ-085S	5.60	4.08	0.76			
EKZ-163S	6.24	5.43	0.40	4.76	2.64	1.48
EKZ-164S	6.33	5.33	0.50			
EKZ-165S	6.55	5.30	0.63			
EKZ-167S	7.13	5.63	0.75			
EKZ-305S	9.32	8.07	0.63	7.46	3.14	2.80
EKZ-306S	9.73	8.48	0.63			
EKZ-307S	9.90	8.40	0.75			
EKZ-417S	10.03	8.53	0.75	7.68	3.64	3.21
EKZ-419S	10.39	8.58	0.91			

Capacity Tables

Description	Connections Inlet/Outlet	Flow Capacity Tons @ 1 psi ΔP ^{1,4} (For kW, multiply tons by 3.5)							Water Capacity ² Drops of Water ³												
		R-12	R-134a /R-450A /R-513A	R-22 /R-410A /R-448A /R-449S	R-407C	R404A/ R-507	R-502	R-744	R-134a		R-22		R-407C		R-410A		R-404A/507		R-744		
									75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	-10°F	25°F	
EKZ 03 2 S	1/4 ODF	2.2	2.7	2.9	2.9	2.0	1.9	3.7	49	45	49	43	45	40	45	40	49	45	35	39	
EKZ 03 3 S	3/8 ODF	2.5	3.0	3.3	3.2	2.2	2.1	4.3													
EKZ 05 2 S	1/4 ODF	2.7	3.3	3.6	3.5	2.4	2.3	4.6	130	120	130	115	115	110	115	110	130	120	93	103	
EKZ 05 25 S	5/16 ODF	2.8	3.4	3.8	3.7	2.5	2.4	4.9													
EKZ 05 3 S	3/8 ODF	3.6	4.4	4.8	4.7	3.2	3.1	6.2													
EKZ 05 4 S	1/2 ODF	5.6	6.9	7.5	7.4	5.0	4.8	9.7	240	225	240	210	215	210	215	210	240	225	173	191	
EKZ 08 3 S	3/8 ODF	3.7	4.5	4.9	4.8	3.3	3.2	6.3													
EKZ 08 4 S	1/2 ODF	5.8	7.1	7.7	7.5	5.1	5.0	9.9													
EKZ 08 5 S	5/8 ODF	7.4	9.1	9.8	9.7	6.6	6.3	12.6	440	415	445	390	400	390	400	390	440	415	317	350	
EKZ 16 3 S	3/8 ODF	3.6	4.4	4.8	4.7	3.2	3.1	6.2													
EKZ 16 4 S	1/2 ODF	7.0	8.5	9.2	9.0	6.2	6.0	11.9													
EKZ 16 5 S	5/8 ODF	8.3	10.1	10.9	10.7	7.3	7.1	14.1													
EKZ 16 7 S	7/8 ODF	12.7	15.5	16.8	16.5	11.2	10.9	21.7	730	690	730	645	660	640	660	640	730	690	522	576	
EKZ 30 5 S	5/8 ODF	8.7	10.6	11.5	11.3	7.7	7.5	14.8													
EKZ 30 6 S	3/4 ODF	12.1	14.8	16.0	15.7	10.7	10.4	20.6													
EKZ 30 7 S	7/8 ODF	13.8	16.8	18.2	17.9	12.2	11.8	23.5	1030	960	1030	900	930	900	930	900	1030	960	731	806	
EKZ 41 7 S	7/8 ODF	16.6	20.3	22.0	21.6	14.7	14.3	28.4													
EKZ 41 9 S	1 1/8 ODF	22.7	27.7	30.0	29.4	20.1	19.5	38.7													

¹ All ratings in accordance with ARI Standard 710-04. 86°F liquid refrigerant temperature
 5°F saturated vapor temperature
 3.1 lbs./min./ton for R-134a
 2.9 lbs./min./ton for R-22 and R-407C
 4.0 lbs./min./ton for R-404A/507 and R-12
 4.4 lbs./min./ton for R-502
 2.7 lbs./min./ton for R-410A

² Water Capacities are based on:
 Equilibrium Point Dryness (EPD) of:
 50 parts per million for R-134a, R404-A/507,
 R-410A, R-407C, and R-744
 60 parts per million for R-22
 15 parts per million for R-12
 30 parts per million for R-502

³ 20 drops of water = 1 gram = 1 cc

⁴ For 2 PSI ΔP, Multiply values by 1.4

⁵ Since there is currently no ARI standard for R-744, values are based on 1 ton of refrigeration at 20°F liquid refrigerant temperature and -20°F saturated vapor temperature.

Liquid Refrigerant Holding Capacity-Ounces

Unit Size	R-12		R-134a/ R-450A/ R-513A		R-22/ R-448A/ R-449A		R-407C		R-410A		R-404A/R-507		R-502		R-744	
	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	20°F	-20°F
03	2.9	2.6	2.6	2.3	2.6	2.3	2.5	2.1	2.3	1.9	2.3	1.9	2.7	2.3	2.1	2.3
05	6.5	5.9	6.0	5.4	5.9	5.3	5.6	4.9	5.3	4.4	5.2	4.4	6.0	5.3	4.8	5.3
08	8.3	7.6	7.6	6.9	7.5	6.8	7.2	6.3	6.7	5.7	6.6	5.6	7.7	6.8	6.1	6.7
16	10.2	9.4	9.4	8.6	9.3	8.4	8.9	7.8	8.3	7.0	8.2	6.9	9.5	8.4	7.5	8.3
30	28.7	26.3	26.4	23.9	26.1	23.5	24.9	21.9	23.3	19.6	22.9	19.4	26.7	23.4	21.1	23.4
41	40.0	36.4	36.9	33.1	36.4	32.5	34.7	30.3	32.5	27.2	31.9	26.8	37.2	32.4	29.2	32.4
75															53.1	58.9