

CATCH-ALL FILTER DRIERS

LIQUID LINE RATINGS AND SELECTION RECOMMENDATIONS

TYPE	SURFACE FILTERING AREA	RATINGS AT ARI STANDARD CONDITIONS													SELECTION RECOMMENDATIONS (Tons)						
		Water Capacity-Drops										Refrigerant Flow Capacity** (Tons at 1 psi ΔP)					Refrigeration			Air Conditioning	
		Refrigerant 22 60 PPM		Refrigerant 134a 50PPM		Refrigerant 404A/507 50 PPM		Refrigerant 407C 50 PPM		Refrigerant 410A 50 PPM							Commercial & Low Temperature Equipment			Field Replacement or Field Built Up Systems	
		75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	75° F	125° F	22	134a	404A/507	407C	410A	12 & 134a	22	404A, 502 & 507	12 & 134a	22, 407C & 410A
C-032	9	61	50	67	48	71	58	52	17	27	20	1.5	1.3	1.0	1.3	1.4	1/4	1/4	1/4	1/2	1/2
C-032-CAP																					
C-032-S																					
C-032-F																					
C-032-FM																					
C-033																					
C-033-S																					
C-052	15	146	119	158	114	169	138	123	40	63	48	2.1	1.9	1.4	1.9	2.0	1/3	1/3	1/3	3/4 thru 1	3/4 thru 2
C-052-S																					
C-052-F																					
C-052-FM																					
C-0525-S																					
C-053																					
C-053-S																					
C-082	21	240	196	261	188	279	227	202	65	104	78	2.1	1.9	1.4	1.9	2.0	1/2 thru 1-1/2	1/2 thru 1-1/2	1/2 thru 1	3/4 thru 2	1 thru 2
C-082-S																					
C-0825-S																					
C-083																					
C-083-S																					
C-084																					
C-084-S																					
C-162	33	346	297	396	285	424	345	307	100	158	119	2.1	1.9	1.4	1.9	2.0	1 thru 2	1-1/2 thru 3	3/4 thru 2	1 thru 5	1-1/2 thru 5
C-162-S																					
C-1625-S																					
C-163																					
C-163-S																					
C-164																					
C-164-S																					
C-165	53	696	567	756	545	809	658	586	189	302	227	5.3	4.7	3.4	4.7	5.0	3 thru 5	3 thru 5	2 thru 5	3 thru 7-1/2	4 thru 10
C-165-S																					
C-303																					
C-303-S																					
C-304																					
C-304-S																					
C-305																					
C-305-S																					
C-307-S																					
C-414	67	936	713	1017	733	1088	885	788	254	407	305	11.5	10.5	7.6	10.5	11.1	5 thru 10	5 thru 12	5 thru 10	5 thru 12	7-1/2 thru 15
C-414-S																					
C-415																					
C-415-S																					
C-417-S																					
C-419-S																					
C-607-S																					
C-609-S	106	1392	1134	1512	1090	1618	1316	1172	378	604	454	33.2	30.4	22.3	30.7	32.4	15	15	10	15	20

\*The filtration area is equal to the core surface area plus the large internal surface available for depth filtration.

†20 drops = 1 gram = 1cc.

\*\*Based on 86 F liquid line temperature and a refrigerant flow of 3.1 pounds per minute per ton of Refrigerant 134a; 2.9 pounds per minute per ton of Refrigerant 22; 3.9 pounds per minute per ton for Refrigerant 404A; 2.9 pounds per minute per ton for Refrigerant 407C; 2.8 pounds per minute per ton for Refrigerant 410A and 4.1 pounds per minute per ton for Refrigerant 507. Ratings in accordance to ARI Standard 710.

NOTES:

1. R-12 water capacity values are approximately 15 percent greater than R-134a. R-502 water capacities are similar to R-404A and R-507.
2. The variation in flow ratings of filter-driers having the same size core and shell is caused by the difference in connection sizes used.