



CU 083S



CU 319

CU SERIES SPUN COPPER HERMETIC LIQUID LINE FILTER DRIERS

The CU series is a high capacity spun copper solid core filter drier ideal for superior corrosion resistance in ocean going vessels and residential coastal applications. Models available for replacement in residential air conditioning or refrigeration equipment.

FEATURES

- All copper construction for extreme corrosion resistance
- 100% molecular sieve solid core drier

SPECIFICATIONS

Maximum Working Pressure..... 600 psig (41 bar)
 Filtration Standard 40 microns
 Fractional Tonnage 100 microns
 UL/CUL File Number SA7175
 Canadian CRN 0E21971.513467890YTN

MODEL NUMBER NOMENCLATURE - Example: CU 163S

SERIES	UNIT SIZE	CONNECTION SIZE	CONNECTION TYPE	SEQUENTIAL IDENTIFIER	CUSTOMER SPECIAL	PACK TYPE
CU	16	3	S			
Hermetic Liquid Line Filter Driers	In Cubic In.	In 1/8" Increments	S = ODF (Omit S for special)	Blank Thru -99	G = Customer Special (Omit for Standard)	B1 = Bulk Pack (Omit for Individual Pack)

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PARKER EQUIVALENT	UNIT SIZE (CUBIC INCHES)	INLET CONNECTION	OUTLET CONNECTION	FILTRATION (MICRONS)	MAXIMUM WORKING PRESSURE (PSIG)	FLOW CAPACITY TONS @ 1 PSI ΔP ^{1,4} (FOR KW, MULTIPLY TONS BY 3.5)		WATER CAPACITY ² (DROPS OF WATER ³)												MODEL NUMBER	ITEM NUMBER							
						R-22 / R-410A		R-134a	R-290	R-404A / R-507	R-407C	R-410A	R-448A / R-449A	R-450A / R-513A														
						R-134a / R-450A / R-513A	R-290	R-404A / R-507 / R-452A	R-407A / R-407C / R-448A / R-449A	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F			75°F	125°F					
CU LLD 3-3S	3	3/8 ODF	3/8 ODF	40	600	2.8	2.6	3.1	1.9	2.7	87	81	93	87	109	103	96	93	72	57	60	54	87	79	110	100	CU 033S	064389
CU LLD 5-3S	5	3/8 ODF	3/8 ODF	40	600	2.8	2.6	3.1	1.9	2.7	101	93	108	101	126	119	112	108	82	63	70	62	99	90	137	125	CU 053S	064391
CU LLD 8-3S	8	3/8 ODF	3/8 ODF	40	600	3.8	3.5	4.2	2.5	3.7	191	177	205	191	236	223	212	205	156	122	131	117	188	171	237	216	CU 083S	064393
CU LLD 16-3S	16	3/8 ODF	3/8 ODF	40	600	4.3	4.0	4.7	2.9	4.2	257	237	277	257	340	320	287	277	207	158	177	157	270	245	341	310	CU 163S	064395

CU SERIES SPUN COPPER HERMETIC LIQUID LINE FRACTIONAL TONNAGE FILTER DRIERS

MMS-80	—	1/4 ODF	1/4 ODF	100	500	0.5	0.3	0.6	0.3	0.5	25	22	26	23	33	31	26	23	23	21	17	15	38	35	38	35	CU 80	064023
619	—	1/4 ODF	CAP	100	500	0.5	0.3	0.6	0.3	0.5	25	22	26	23	33	31	26	23	23	21	17	15	38	35	38	35	CU 619	064026
620	—	5/16 ODF	CAP	100	500	2.0	1.0	2.2	0.8	1.9	50	44	53	46	66	63	53	46	43	39	33	29	76	69	76	69	CU 620	064027
621	—	5/16 ODF	CAP	100	500	2.0	1.0	2.2	0.8	1.9	50	44	53	46	66	63	53	46	43	39	33	29	76	69	76	69	CU 621	064119
MMS-200	—	5/16 ODF 3/8 ODF	5/16 ODF, 3/8 ODF	100	500	1.0	0.8	1.1	0.6	0.9	50	44	53	46	66	63	53	46	43	39	33	29	76	69	76	69	CU 200	064024
319F	—	5/16 ODF	CAP	100	500	2.0	1.0	2.2	0.8	1.9	75	66	80	76	99	94	79	75	65	59	50	44	114	104	114	104	CU 319	064025

¹ All ratings in accordance with ARI Standard 710-04. 86oF 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
 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

³ 20 drops of water = 1 gram = 1 cc
⁴ For 2 PSI ΔP, Multiply values by 1.4