

PARKER - COPPER DRIERS

COPPER LIQUID LINE SOLID CORE DRIER (Cu LLD® Series)

Copper Liquid Line Driers — Water Drop Capacity at ARI Conditions



Key Features and Benefits

- Solid core 100% molecular sieve drier.
- Super high moisture/acid capacity. Large flow capacity.
- Compatible with all new and existing refrigerants and blends.
- All copper body is corrosion resistant.
- U.L. recognized and CSA certified.

Copper Liquid Line Driers — Water Drop Capacity at ARI Conditions

PART NO	MODEL NO	OEM Model No	R-401				R-402			
			R-12 (15 ppm) 75° F/125° F	R-22 (60 ppm) 75° F/125° F	R-134a (50 ppm) 75° F/125° F	A/B (50 ppm) 75° F/125° F	C (50 ppm) 75° F/125° F	A (50 ppm) 75° F/125° F	B (50 ppm) 75° F/125° F	
	Cu LLD 2-3S*	s13	31/28	28/24	31/27	30/26	29/25	30/26	30/26	
	Cu LLD 3-2S*	s22	69/63	63/55	69/62	67/57	65/57	68/58	68/58	
	Cu LLD 3-3S*	s23	69/63	63/55	69/62	67/57	65/57	68/58	68/58	
032056-10	Cu LLD 5-3S	s33	95/87	86/75	94/85	92/79	90/78	94/80	94/80	
032055-10	Cu LLD 8-3S	s53	166/152	150/131	165/147	161/137	157/136	163/139	163/139	
032057-10	Cu LLD 16-3S	s83	266/242	241/209	263/236	258	258/ 20	251/217	261/223	

PART NO	MODEL NO	OEM Model No.	R-404A	R-407A	R-407B	R-407C	R-410A	R-502	R-507A
			(50 ppm) 75°F/125°F	(50 ppm) 75°F/125°F	(50 ppm) 75°F/125°F	(50 ppm) 75°F/125°F	(50 ppm) 75°F/125°F	(50 ppm) 75°F/125°F	(50 ppm) 75°F/125°F
	Cu LLD 2-3S*	s13	30/27	20/17	20/17	21/18	17/14	28/25	31/27
	Cu LLD 3-2S*	s22	68/61	45/38	45/38	48/41	37/31	64/57	69/61
	Cu LLD 3-3S*	s23	68/61	45/38	45/38	48/41	37/31	64/57	69/61
032056-10	Cu LLD 5-3S	s33	94/83	62/53	62/53	66/56	51/43	88/78	95/84
032055-10	Cu LLD 8-3S	s53	164/145	108/92	--	115/98	89/75	153/136	165/146
032057-10	Cu LLD 16-3S	s83	261/223	262/232	173/147	173/147	142/119	245/217	265/233

*These items are non-stock.

Refrigerant Holding Capacities for Copper Liquid Line Core Driers (in oz. of refrigerant @ 100° F)

OEM Model No	MRO Model	R-401			R-402		R-407			R-407C	R-410A	R-502	R-507A		
		R-12	R-22	R-134a	A/B	C	A	B							
s13	CuLLD2-3S	1.37	1.24	1.25	1.22	1.07	1.13	1.15	1.06	1.17	1.18	1.17	1.08	1.25	1.06
s22	CuLLD3-2S	2.82	2.55	2.58	2.51	2.21	2.33	2.38	2.19	2.41	2.44	2.41	2.23	2.58	2.19
s23	CuLLD3-3S	2.82	2.55	2.58	2.51	2.21	2.33	2.38	2.19	2.41	2.44	2.41	2.23	2.58	2.19
s33	CuLLD5-3S	3.52	3.18	3.22	3.13	2.76	2.90	2.96	2.73	3.01	3.05	3.01	2.78	3.22	2.74
s53	CuLLD8-3S	6.35	5.74	5.81	5.65	4.97	5.24	5.34	4.93	5.42	5.50	5.43	5.01	5.80	4.93
s83	CuLLD16-3S	6.91	6.25	6.33	6.15	5.41	5.70	5.82	5.36	5.90	5.98	5.91	5.45	6.32	5.37

Refrigeration

Compressors, Chillers, Condensers
 Motors
 Electrical
 Heating Components
 Indoor Air Quality
 Thermostats
 Oils & Chemicals
 Accessories, Supplies & Commodities
 Tools & Instruments
 Refrigeration

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Copper Liquid Line Driers — Installation Recommendations (Nominal Tons)

PART NO	OEM Model No	MRO Model	Selection Recommendations (Nominal Ratings - Tons) Refrigeration Commercial Low Temp. Equipment							Selection Recommendations (Nominal Ratings - Tons) Air Conditioning OEM, Self-Contained/Field Replacement				
			12 134a 401A	22 402	404A 502 507A	407C 410A	407A	407B	134a 401A	22 402 410A	404A 502 507A	407A	407B	407C
	s13	Cu LLD 2-3S	1	1	3/4	1-1/4	1	3/4	2	2	1-1/2	2	1-3/4	1-1/2
	s22	Cu LLD 3-2S	3/4	3/4	1/2	3/4	1/2	3/4	1-1/2	1-1/2	1	1-3/4	1	1-1/2
	s23	Cu LLD 3-3S	1-3/4	1-1/2	1-3/4	1-3/4	1-3/4	1-3/4	3-1/2	3	2-1/2	3-1/2	2-1/2	3-1/2
032056-10	s33	Cu LLD 5-3S	1-3/4	1-1/2	1-3/4	1-3/4	1-1/2	1-3/4	3-1/2	3	2-1/2	3	2-1/2	3-1/2
032055-10	s53	Cu LLD 8-3S	2	1-1/2	1-3/4	2	1-3/4	1-1/2	3-1/2	3	2-1/2	3-1/2	3	4
032057-10	s83	Cu LLD 16-3S	2	1-1/2	1-3/4	2	1-3/4	1-1/2	4	3-1/2	2-1/2	3-1/2	3	4

Copper Liquid Line Driers — Tons of Refrigerant at Pressure Drop 1 psi

OEM Model No	MRO Model	R-12	R-22	R-134a	R-401			R-402								
					A	B	C	A	R-402B	R-404A	R-407A	R-407B	R-407C	R-410A	R-502	R-507A
s13	Cu LLD 2-3S	2.2	2.9	2.6	2.9	3.0	2.7	2.0	2.3	1.9	2.6	2.1	2.9	2.8	1.9	1.9
s22	Cu LLD 3-2S	1.4	1.9	1.7	1.8	1.9	1.7	1.3	1.5	1.2	1.6	1.3	1.8	1.8	1.2	1.2
s23	Cu LLD 3-3S	3.2	4.3	3.9	4.3	4.4	3.9	2.9	3.4	2.8	3.7	3.0	4.2	4.2	2.8	2.8
s33	Cu LLD 5-3S	3.1	4.2	3.8	4.1	4.3	3.8	2.8	3.3	2.7	3.6	2.9	4.1	4.1	2.7	2.7
s53	Cu LLD 8-3S	3.4	4.6	4.2	4.5	4.7	4.1	3.1	3.6	3.0	4.0	3.2	4.5	4.5	3.0	3.0
s83	Cu LLD 16-3S	3.6	4.8	4.4	4.7	5.0	4.4	3.2	3.8	3.1	4.2	3.4	4.7	4.6	3.1	3.1