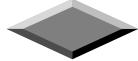
## REMOVES OIL FROM CHILLER'S REFRIGERANT Continuously Dehydrates and Filters Refrigerant OAM PURGER™

Automatically removes <u>OIL</u>, <u>ACID</u> and <u>MOISTURE</u> from Centrifugal Chiller's refrigerant charge. <u>AUTOMATICALLY RETURNS REMOVED</u> <u>OIL</u> TO THE CHILLER'S OIL SUMP where it belongs.



## Special Features & Benefits:

- Pays for itself in energy savings cost in approximately 3 to 4 months of operation
- Keeps saving energy cost even after it pays for itself
- Typically removes oil from refrigerant charge in approximately a month (500 ton Chiller containing 12% oil by weight)
- Continuously Dehydrates and Filters Refrigerant
- Restores Chiller to peak operating capacity
- Once refrigerant cleaned, maintains system oil free
- Operates 24 hours a day whether chiller is on or off
- Totally automatic
- Easy to install (120 VAC and Only three ¼" connections to existing Chiller ports)
- There are no mechanical or ejector pumps, the OAM Purger uses only gravity, heat and pressure differential to work
- Typically, refrigerant charge does not have to be "pulled" to install
- Reduces maintenance and helps prevent premature failure
- Removes Moisture (Dehydrates) and Acid from Refrigerant and Oil



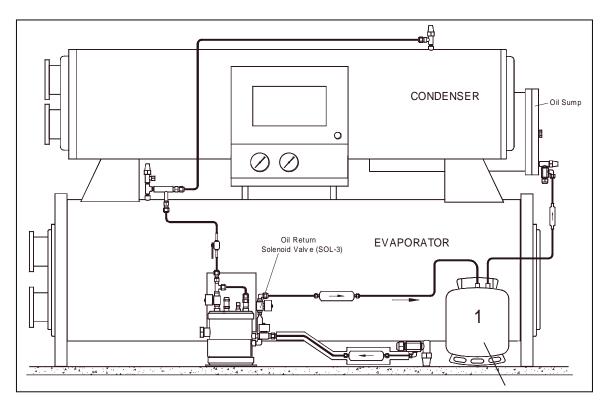
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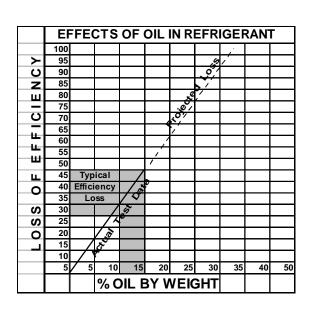


SPECIFICATIONS FOR MODELS	OAM-LPC 500-11 OAM-LPC 500-113 OAM-LPC500-123 OAM-HPC500
" ELECTRICAL REQUIREMENTS:	120 Volts AC     60 Hz     15 Amp Fused Circuit • 1-Phase
" OPERATING ENVIRONMENT	• 70°F to 105°F - 5% to 80% relative humidity, non-condensing
" STORAGE ENVIRONMENT " DIMENSIONS	O°F TO 120°F - 5% to 80% relative humidity, non-condensing     Height:17.5" Width: 12" Depth 11"
" WEIGHT	• 26 lbs (approximate) (shipping weight 50 lbs)
" CONNECTIONS " DISTILLATION OPERATING TEMPERATURE	Three 1/4" OD connection - (Combination Vapor/Liquid & Oil)  150 Degrees Fahrenheit (65.5 Degrees C)
" PRESSURES	Tested Pressure 350 psi
" RATE OF REFRIGERANT PROCESSED, AVERAGE	• 1060 pounds per week 55000 pounds per year
" WEIGHT OF REFRIGERANT PROCESSED PER CYCLE, AVERAGE	9.5 pounds refrigerant-oil mixture per cycle

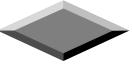
## Refrigerant & Oil Line Hook-up

All OAM
Purger
Models
require only
three ¼" OD
line
connections
between the
refrigeration
system and
the purge
unit (see
illustration).





Studies supported by ASHRAE (which also site other studies) and statements of a major chiller OEM indicate that oil in refrigerant reduces heat transfer and therefor efficiency. Oil content of 1 % (by weight) produces a reduction of 3% efficiency and up to 15% produces a reduction of 40 to 50% in efficiency. The reduction in efficiency tends to be consistent for different refrigerants.



	CHILLER REFRIGERANT CHARGE BY WEIGHT IN Ibs.											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
%OIL		lbs. of Oil in Refrigerant Charge based on % by weight										
1%	1	2	3	4	5	6	7	8	9	10	11	12
2%	2	4	6	8	10	12	14	16	18	20	22	24
3%	3	6	9	12	15	18	21	24	27	30	33	36
4%	4	8	12	16	20	24	28	32	36	40	44	48
5%	5	10	15	20	25	30	35	40	45	50	55	60
6%	6	12	18	24	30	36	42	48	54	60	66	72
7%	7	14	21	28	35	42	49	56	63	70	77	84
8%	8	16	24	32	40	48	56	64	72	80	88	96
9%	9	18	27	36	45	54	63	72	81	90	99	108
10%	10	20	30	40	50	60	70	80	90	100	110	120
11%	11	22	33	44	55	66	77	88	99	110	121	132
12%	12	24	36	48	60	72	84	96	108	120	132	144
13%	13	26	39	52	65	78	91	104	117	130	143	156
14%	14	28	42	56	70	84	98	112	126	140	154	168
15%	15	30	45	60	75	90	105	120	135	150	165	180
16%	16	32	48	64	80	96	112	128	144	160	176	192
17%	17	34	51	68	85	102	119	136	153	170	187	204
18%	18	36	54	72	90	108	126	144	162	180	198	216
19%	19	38	57	76	95	114	133	152	171	190	209	228
20%	20	40	60	80	100	120	140	160	180	200	220	240
21%	21	42	63	84	105	126	147	168	189	210	231	252
22%	22	44	66	88	110	132	154	176	198	220	242	264
23%	23	46	69	92	115	138	161	184	207	230	253	276
24%	24	48	72	96	120	144	168	192	216	240	264	288
25%	25	50	75	100	125	150	175	200	225	250	275	300
		OIL W	EIGHS	APPR	OXIMA	ATELY	7 Lbs	s. PER	GALLO	ON		
	1			60 Lbs	s = app	roxim	ately 8	.5 Gal	lons			

According to ASHRAE study 601-TRP the Average Chiller has 12 % oil by weight in its Refrigerant Charge. A 500 lbs.

