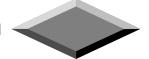
# OAM Purger

# Oil, Acid and Moisture Purging System for Centrifugal Chillers

Can save \$24,000 per year or more in Chiller Energy Cost



ile Literature 1106-03B

### 2004 HVACR NEWS Magazine GOLD AWARD Recipient

#### Features & Benefits:

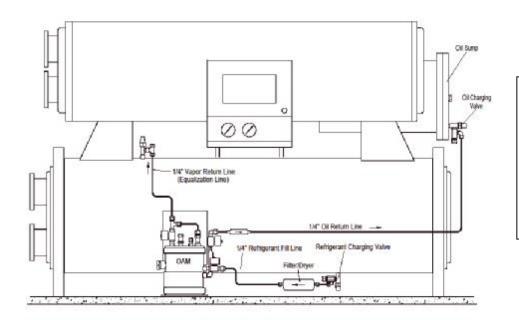
- Continuously removes oil from refrigerant charge and returns it to the compressor oil sump where it belongs
- Typically restores refrigerant charge to clean oil free condition in about 30 days (500 ton chiller)
- Once cleaned refrigerant is maintained OIL FREE
- Continuously removes moisture and acid from refrigerant
- · Restores chiller to peak operating capacity
- Pays for itself in lower energy cost in approximately 4 months and keeps on saving energy cost month after month
- Patented process utilizes gravity, heat and pressure without the need for an ejector or mechanical pump
- Continuous operation whether chiller is operating or not
- Reduces chiller maintenance and helps avoid premature failure
- Easy installation



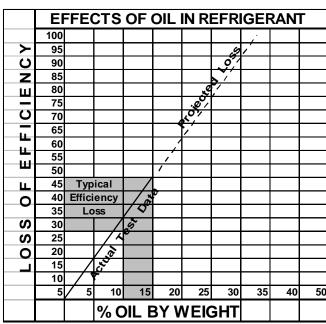
#### SPECIFICATIONS: Models OAM-400LPC and OAM-400HPC

ELECTRICAL REQUIREMENTS	120 VAC, 15 Amp (other options available)
CONNECTIONS	three 1/4" O.D. copper lines
DISTILLATION TEMPERATURE	145° F
REFRIGERANT PROCESS RATE	850 lbs to 1250 lbs week average
REFRIGERANT PROCESSED PER CY	CLE10 lbs typical
WEIGHT	

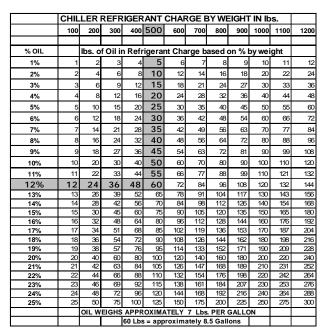
### Refrigerant and Oil Line Hook-up



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 therefore 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.



According to ASHRAE study 601-TRP the Average Chiller has 12 % oil by weight in its Refrigerant Charge. A 500 lbs. Refrigerant Charge at 12% by weight contains 60 lbs., or 8.5 gallons of oil.

