Trans Bio Energy Company, LLC.
Energy Saving Technologies

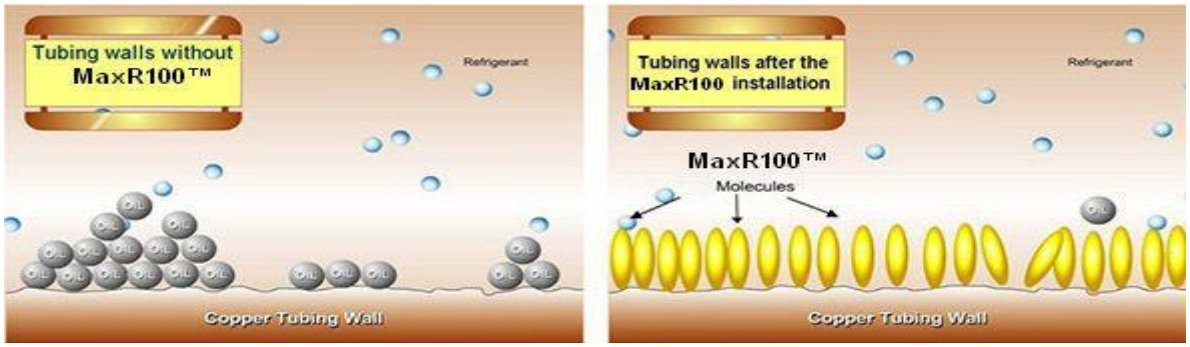
MAXR100™- Product Review

Doc Ref No.001/17

MaxR100™ is an intermetallic compound technology that, when introduced into the refrigerant oil of a system, forms a permanent bond to metal surfaces. This action removes oil fouling, changes the thermal nature of the metal and lowers the boiling point of the refrigerant gas, resulting in a more efficient operating system with substantial savings in energy costs.

MaxR100™ is Unique

MaxR100™ forms a protective molecular layer that will NOT change mechanical tolerances. MaxR100™ contains no elements of the Halogen group, particularly Chlorine, Fluorine, nor Sulphur or Phosphorous. MaxR100™ does NOT contain PTFE (Teflon®) or any other particulate. MaxR100™ will NOT contaminate waste oil.



MaxR100™ Application

MAXR100™ Benefits:

- Restores like-new performance
- Reduces energy consumption 10%+
- Reduces humidity up to 50%
- Softens and conditions seals
- Quieter running equipment
- Reduced compressor run time
- Extends lubricant life
- Extends equipment life
- Less downtime & maintenance costs
- Outstanding anti-friction protection
- Reduces oxidation
- Protects mechanical parts
- Results in quieter running equipment Rapidly improves operating conditions

a) MaxR100™ is added to the system in the same way that the refrigerant is applied. For units up to 10 tons, add 1 fl/oz of MaxR100™ per ton in sealed compressors.

b) Units over 10 tons, remove 10% of the compressor oil and replace with MaxR100™.

c) It typically takes an HVAC technician about 15 minutes to install MaxR100™. Although results are felt and heard almost immediately, allow 2 weeks for the product to produce its full benefits. MaxR100™ is a one-time application.

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TYPES OF MAXR100 & SUITABILITY FOR VARIOUS REFRIGERANTS

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Sr. No	Refrigerant Type	Lubricant	MaxR100™ Type
1	R-12	MO or AB	MaxR100™ MO
2	134a	POE	MaxR100™ POE
3	MP39 (R-401A)	MO or AB	MaxR100™ MO
4	409A (R-409A)	MO or AB	MaxR100™ MO
5	R-500	MO or AB	MaxR100™ MO
6	MP66 (R-401B)	MO or AB	MaxR100™ MO
7	R-13	MO or AB	MaxR100™ MO
8	R-503	MO or AB	MaxR100™ MO
9	R-23	POE	MaxR100™ POE
10	95 (R-508B)	POE	MaxR100™ POE
11	R-502	MO or AB	MaxR100™ MOE
12	HP62 (R-404A)	POE	MaxR100™ POE
13	507 (R-507)	POE	MaxR100™ POE
14	HP80 (R-402A)	AB	MaxR100™ MO
15	408A (R-408A)	AB	MaxR100™ MO
16	HP81 (R-402B)	MO or AB	MaxR100™ MO
17	R-22	MO or AB	MaxR100™ MO
18	407C (R-407C)	POE	MaxR100™ POE
19	410A (R-410A)	POE	MaxR100™ POE
20	134a Automotive	PAG	MaxR100™ MO
21	R717 (Ammonia)		MaxR100™ A

MO : Mineral Oil
POE : Polyester
AB : Alkybenezene
PAG : Polyalkylene Glycol