

# Anti-Freeze Protection for the AERCO Modulex Boilers

## Light Commercial Models:

- MLX EXT 321
- MLX EXT 450 (2S)
- MLX EXT 481
- MLX EXT 600 (2S)
- MLX EXT 641
- MLX EXT 800 (2S)
- MLX EXT 802
- MLX EXT 962
- MLX EXT 1100 (2S)
- MLX EXT 1123

## Commercial Models:

- MLX EXT 1500 (2S)
- MLX EXT 1530
- MLX EXT 1912
- MLX EXT 2295
- MLX EXT 2300 (2S)
- MLX EXT 2600 (2S)
- MLX EXT 2677
- MLX EXT 3000 (2S)
- MLX EXT 3060

### Disclaimer

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## Anti-Freeze Protection for Modulex EXT Boilers

Antifreeze HVAC glycol, where required, must be suitable for aluminum heat exchangers when used with the high efficiency AERCO Modulex boilers. This is a common requirement for all aluminum boilers in North America and Europe. Traditional propylene glycol is not suitable for aluminum heat exchangers: the pH of the glycol at various dilutions is in excess of 9.5, whereas the pH must be lower than 8.0 (tap water is 6.5-8.0 pH) for use with aluminum.

There are several suitable aluminum safe propylene glycols available that can provide the same levels of burst, freeze and corrosion inhibiting protection as traditional propylene glycols. Listed below are some options for the aluminum safe glycol:

### AERCO, International

Blauvelt, NY 10913

Phone: (800) 526-0288

<http://www.aerco.com/Products/Accessories/Sentinal-Products/X500-Inhibited-Antifreeze>

Glycol: X500 – Inhibited Antifreeze

### Interstate Chemical Co.

Hermitage, PA

Phone: 724-981-3771; 724 981-8383 (Customer Service)

[www.interstatechemical.com](http://www.interstatechemical.com)

Glycol: Intercool NFP-AA

### Hercules Chemical Co.

Passaic, NJ 07055-9100

Phone: 800-221-9330; Fax: 800-333-3456

[www.herchem.com](http://www.herchem.com)

Glycol: 'cryo-tek – 100/Al'

### The Noble Company

Grand Haven, MI 49417-0350

Phone: 800-878-5788; Fax: 800-272-1519

[www.noblecompany.com](http://www.noblecompany.com)

Glycol: NOBURST AL

### Rhomar Water Management, Inc.

Springfield, MO

Phone: 1-800-543-5975, Fax: 417-862-6410

<http://www.rhomarwater.com>

Glycol: RhoGard Ultra

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## Change Log:

Date	Description	Changed by
11/14/2015	<b>Rev-B:</b> Changed "Glycol: Intercool <b>NFP</b> " to "Glycol: Intercool <b>NFP-AA</b> " for Interstate Chemical reference.	Curtis Harvey
08/18/2017	<b>Rev C:</b> <b>DIR 17-008:</b> Added new MLX model numbers	Chris Blair
10/11/2021	<b>Rev D:</b> Added "(2S)" to models 450, 600, 800, 1100, 1500, 2300, 2600 & 2000; reformatted to new design standard.	DW Barron