

# HUSSMANN®

Optimized M-Series

## Medium Temperature Secondary Refrigeration



**IR** Ingersoll Rand

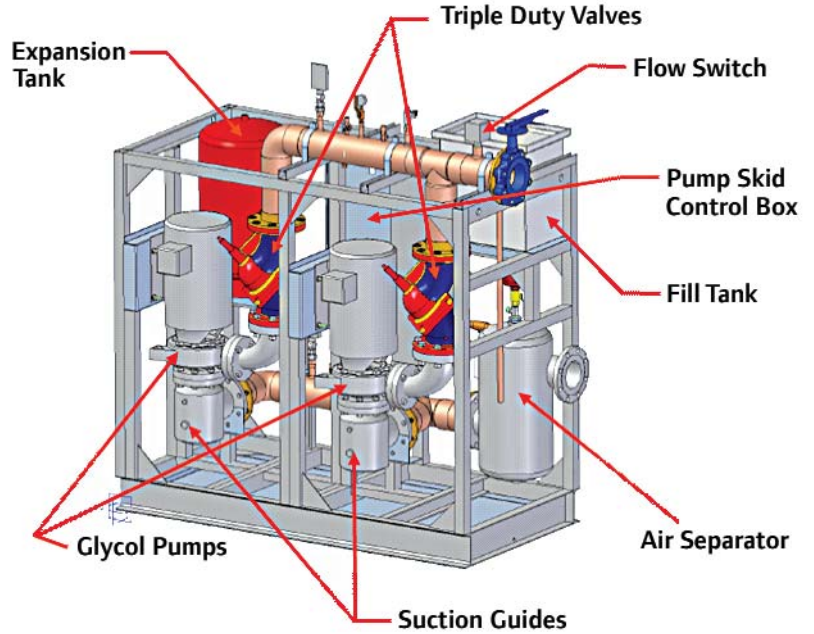
# Medium Temperature Secondary Refrigeration

## Optimized M-Series

The Optimized M-Series is a medium temperature secondary refrigeration system that uses water and a 30-35% propylene glycol mixture to cool the refrigeration loads. A central direct expansion system with a low HFC charge is used to cool the glycol mixture.

### Standard Features & Benefits

- Up to 70% lower refrigerant charge than a central direct expansion system
- Up to 50% carbon footprint reduction
- Leak rates as low as 10%
- Up to 10% installed cost reduction
- More cost-effective equipment sizing due to pumps on a separate assembly from the heat exchangers, which are mounted on the rack
- Glycol pumps sized according to the flow rate
- Heat exchangers can be sized independently by the loads
- Control inputs match rack control brands
- Accepts multiple brands of pumps and expansion valves
- Increased reliability due to fewer components
- Easy to install and service



Rack Frames – Horizontal Receiver			Rack Frames – Vertical Receiver			Pump Station		
Compressor Frame Size	Dimensions (L" x W" x H")	Weight (lb)	Compressor Frame Size	Dimensions (L" x W" x H")	Weight (lb)	Compressor Frame Size	Dimensions (L" x W" x H")	Weight (lb)
2 Frame	58 x 39 x 78.5	2800	2 Frame	88 x 39 x 78.5	2800	150 GPM	72 x 36 x 64	2200
3 Frame	90 x 39 x 78.5	3630	3 Frame	120 x 39 x 78.5	3630	200 GPM	72 x 36 x 64	2200
4 Frame	125 x 39 x 78.5	4790	4 Frame	160 x 39 x 78.5	4790	250 GPM	72 x 36 x 64	2500
5 Frame	130 x 39 x 78.5	5730	5 Frame	160 x 39 x 78.5	5730	300 GPM	72 x 36 x 64	2800
6 Frame	142 x 39 x 78.5	6220	6 Frame	172 x 39 x 78.5	6220	350 GPM	72 x 36 x 64	2800
7 Frame	170 x 39 x 78.5	6770	7 Frame	200 x 39 x 78.5	6770	400 GPM	72 x 36 x 64	3000
8 Frame	192 x 39 x 78.5	7370	8 Frame	222 x 39 x 78.5	7370	450 GPM	72 x 36 x 64	3200
9 Frame	214 x 39 x 78.5	7970	9 Frame	244 x 39 x 78.5	7970			
10 Frame	236 x 39 x 78.5	8570	10 Frame	266 x 39 x 78.5	8570			



Web Site: [www.hussmann.com](http://www.hussmann.com)  
 E-mail: [hussmann-marketing@irco.com](mailto:hussmann-marketing@irco.com)

**Hussmann Corporation**  
 12999 St. Charles Rock Rd.  
 Bridgeton, MO 63044-2483  
 (314) 291-2000  
 (314) 298-4756 Fax