



# TS Non-Cycling REFRIGERATED AIR DRYERS

50Hz and 60Hz Design

Date: January 3, 2006

Revision 2

## FEATURES AND BENEFITS

Feature	Benefit
Intellisys™ Microprocessor	Visual Outputs clearly indicate general warnings and alarms including control power, refrigeration compressor alarms, preventative maintenance, temperature warnings, internal pressure and drain valve alarms
“Smart” Drain	Adjusts the number of occurrences the drain valve opens based on the amount of condensate present by monitoring ambient air
3-in-1 Heat Exchanger	Reduced opportunity for leaks through fewer connection points. Also, the internal piping design permits minimized pressure drop.
Expansion Valves	Precisely match flow of refrigerant through the heat exchanger to the heat load produced by compressed air to hold dew point – the alternative, capillary tubes, do not have the same precise control
Micro-Channel Condenser	Design uses 40% less refrigerant and permits a low pressure drop across the condenser
Rugged Construction	The TS is designed to handle the rugged environment refrigerated dryers experience from transportation to installation with refrigeration piping securely fastened using reliable and service friendly Rotolok fittings
R-404a Refrigerant	Environmentally Sound choice of refrigerant and not schedule for any phase out by EPA
Fully Enclosed	Open cabinet designed for easy access to components if service should be required. NEMA 1
Panel Filter	New, electrostatic panel filter is standard
“Best-In-Class” Re-rate	Performance is maximized by dryer design enabling operation with minimized reduction of air flow capacity when compared to the competition
Superheat Temperature Switch	Added protection for the refrigeration compressor – keeps compressed air system operational
Efficiency Mode – Optional Connection	Saves energy by cycling based on evaporator temperature via digital response from air compressor
PORO	Automatic restart in the event power is interrupted