

Subfreezing Dryer

SF Dryer 360–420 m³/hr



The revolutionary SF dryer is the only regenerative refrigerant dryer available in the compressed air market today. It combines the subfreezing pressure dew point (PDP) of a typical regenerative desiccant dryer, with the low operating and energy costs of a refrigerant dryer, to provide an extremely low total cost of ownership.

SF Dryer Features and Benefits

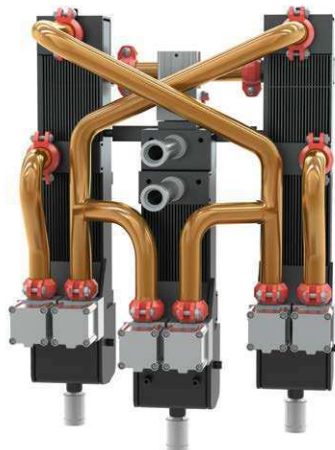
- **ISO Class 3 high-quality air with a -20 °C (-4 °F) PDP** delivered without interruption over the full range of compressor utilization (0-100%)

- **Ideal for systems** that have piping or pneumatic equipment exposed to subfreezing temperatures

- **Patented heat exchanger design**, with twin subfreezing chambers and a pre-cooler/re-heater, provides a subfreezing PDP while reducing energy and operating costs

- **No purge air required for regeneration**, significantly improving energy efficiency

- **No costly consumables** such as drum wheels or desiccant wheels that require replacement, lowering maintenance cost

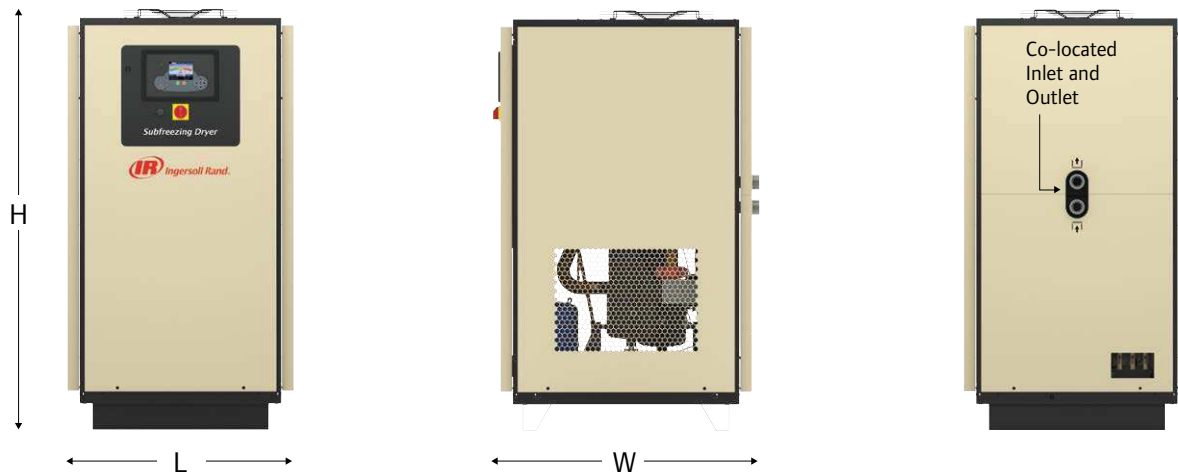


- **Advanced controller** ensures high air quality through an intuitive high-resolution display and remote connectivity to onboard web pages



- **Easy to install**, featuring a 40% smaller footprint and full compatibility with all compressor types without requiring any costly compressor modifications or downstream particulate filtration

- **Smart solenoid drain valves** actuate based on demand to ensure complete moisture removal during each cycle



Ingersoll Rand – 50 Hz Performance						
Model	Capacity (FAD)* -20 °C PDP m ³ /hr	Max. Operating Pressure bar g	In/Out Connections	Nominal Power kW	Dimensions (Length x Width x Height) mm	Weight kg
D360SF-A	360	13	1-½" BSP	1.29	900 x 990 x 1600	290
D420SF-A	420	13	1-½" BSP	1.31	900 x 990 x 1600	320

*Capacity measured under the following conditions: FAD (Free Air Delivery) 20°C/1 bar a, pressure 7 bar g, ambient temperature 25°C, air inlet temperature 35°C

Standard features include:
Removable panels for easy service access
IP42 electrical protection
Solenoid no-loss drain with electronic feedback to the controller
Xe90M programmable controller
Victaulic® connections for easy maintenance
R404A refrigerant

Optional features include:
R452A refrigerant
IP54 electrical protection
Low temperature kit (ambient and/or inlet)
Water cooled/seawater cooled
Outdoor modification



CARE Maintenance Programs | RELIABILITY FOR LIFE

Compressed air is critical to your operation. A proper maintenance strategy is crucial to avoiding unplanned, unbudgeted downtime and production interruptions. By choosing an Ingersoll Rand CARE maintenance service program — from full risk transfer to routine maintenance or parts coverage — you are investing in your future with a trusted global partner.



IngersollRandProducts.com

Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane® —work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$13 billion global business committed to a world of sustainable progress and enduring results.



Ingersoll Rand, IR and the IR logo are trademarks of Ingersoll Rand, its subsidiaries and/or affiliates. All other trademarks are the property of their respective owners. Ingersoll Rand compressors are not designed, intended or approved for breathing air applications. Ingersoll Rand does not approve specialized equipment for breathing air applications and assumes no responsibility or liability for compressors used for breathing air service. Nothing contained on these pages is intended to extend any warranty or representation, expressed or implied, regarding the product described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with Ingersoll Rand's standard terms and conditions of sale for such products, which are available upon request. Product improvement is a continuing goal at Ingersoll Rand. Any designs, diagrams, pictures, photographs and specifications contained within this document are for representative purposes only and may include optional scope and/or functionality and are subject to change without notice or obligation.