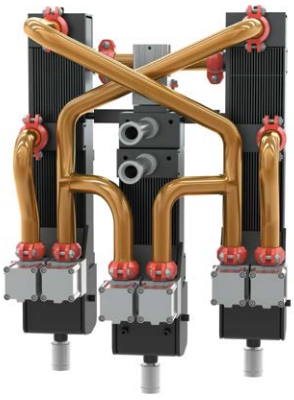
Subfreezing Dryer

SF Dryer 360–420 m³/hr (200-250 cfm)

The revolutionary SF dryer is the only regenerative refrigerated 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 refrigerated dryer, to provide an extremely low total cost of ownership.

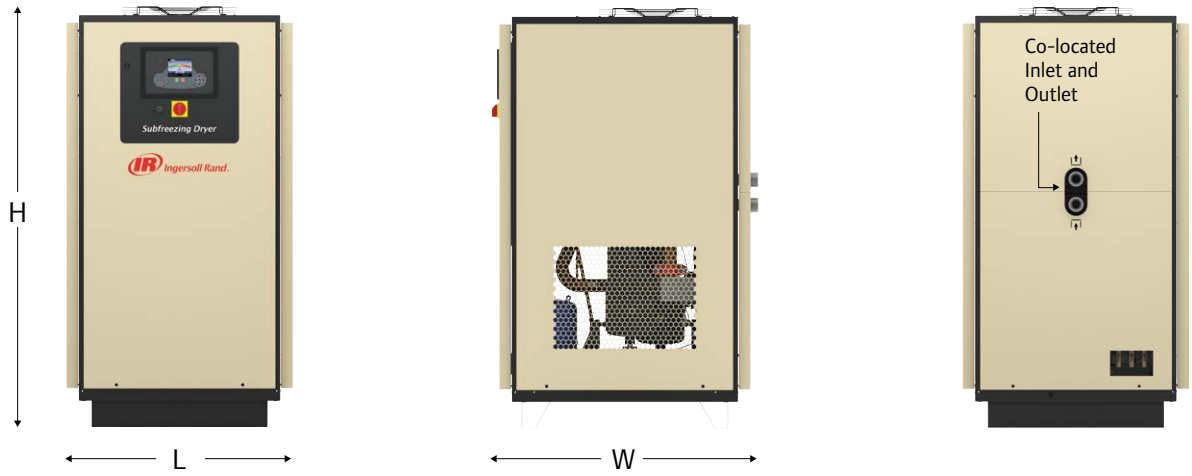
SF Dryer Features and Benefits

- **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 costs



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

- **Plug-and-play,** 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 – 60 Hz Performance						
Model	**Capacity (FAD)* -4 °F PDP m³/hr (cfm)**	**Max. Operating Pressure barg (psia)**	**In/Out Connections**	**Nominal Power kW**	**Dimensions (Length x Width x Height) mm (in)**	**Weight kg (lb)**
D360SF-A	360 (200)	14 (200)	1-½"	1.46	1,063 x 899 x 1,767 (42 x 35 x 70)	352 (776)
D420SF-A	420 (250)	14 (200)	1-½"	1.78	1,063 x 899 x 1,670 (42 x 35 x 66)	352 (776)

*Capacity measured under the following conditions: 100°F inlet temperature, 100°F ambient temperature, 100 psig

Standard features include:
Removable panels for easy service access
Solenoid no-loss drain with electronic feedback to the controller
Xe90M programmable controller
Victaulic® connections for easy maintenance
R452A refrigerant

Optional features include:
Low inlet temperature option

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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.

Ingersoll Rand

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