

Compressed Air Purification System



Gardner
Denver

Ingersoll Rand

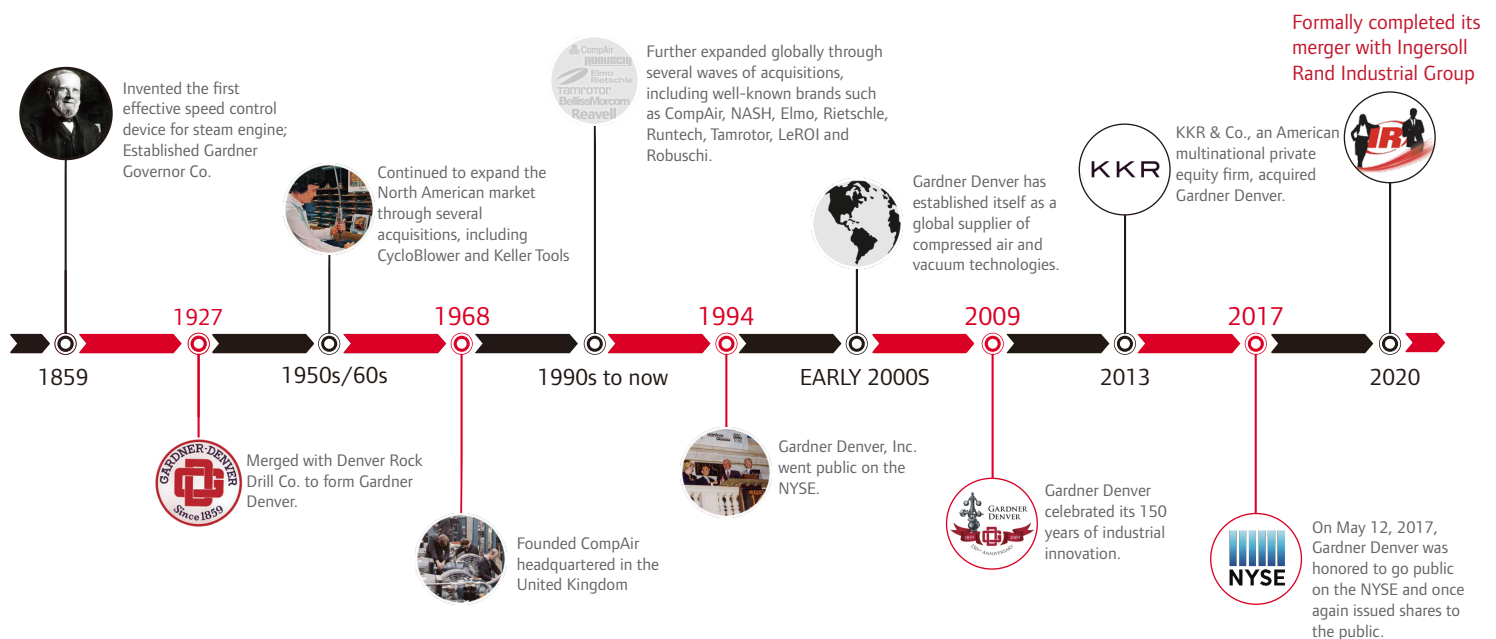
Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to Making Life Better for our employees, customers, shareholders, and planet. Customers lean on us for exceptional performance and durability in mission-critical flow creation and industrial solutions. Supported by over 80+ respected brands, our products and services excel in very complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity, and efficiency. For more information, visit www.IRCO.com.

Gardner Denver

Founded in 1859, Ingersoll Rand, Inc. Gardner Denver focuses on developing innovative products and engineering solutions that solve operational challenges for our customers. With global collaboration, strong customer service and in-depth expertise, we offer reliable, energy-efficient equipment for a wide range of manufacturing and process applications. As of March 1, 2020, The Ingersoll Rand Industrial segment was formally merged with Gardner Denver on March 1, 2020 to form the new Ingersoll Rand.

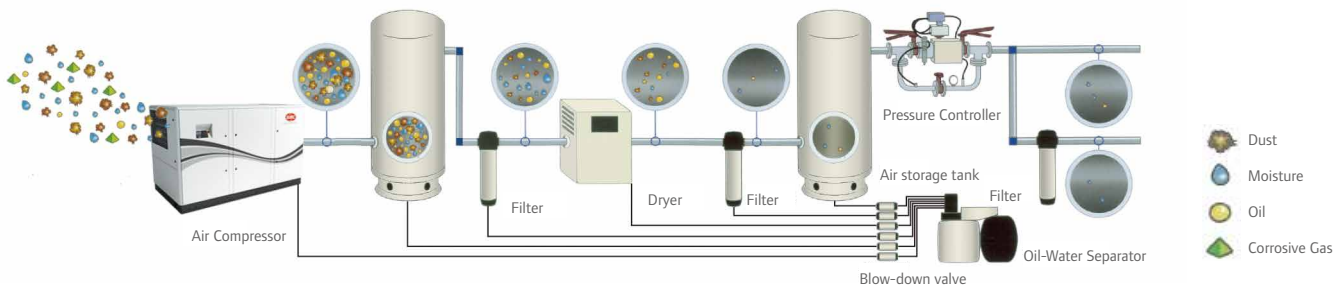
Now, as a larger and stronger company, we can further provide you with more comprehensive solutions and a broader portfolio of products and services. The new Ingersoll Rand is driven by an entrepreneurial spirit and an ownership mindset to make life better for our employees, customers and those around us.

With the establishment of the new company, driven by Ingersoll Rand's new goals and values, and in line with the Company's multi-brand and multi-channel development strategy, we have integrated and upgraded the existing brands and products of Ingersoll Rand, and launched the newly-designed Gardner Denver air compressors, which cover oil screw air compressors, oil-free air compressors and complete compressed air after-processing products. With abundant products, continuous innovation, and high-quality service, Gardner Denver air compressors are believed to be able to help customers achieve greater success.



What is a clean, environmentally friendly and high-quality compressed air system?

- Owing to its safety, energy saving and stability, compressed air has become an indispensable power source in modern industry. However, condensates and contaminants in the compressed air are mixed with rust and bacteria in the pipeline to form harmful corrosive turbid liquid, which would lead to system corrosion and cause economic losses to users.
- Each cubic meter of air contains about 140 million dust particles and water vapor, 80% of which are less than 2 microns in diameter and brought into various systems of the process via the compressed air. These particles are a huge threat to the compressed air system.
- Gardner Denver provides industry-leading products to help enterprises reduce energy consumption and costs, while obtaining cleaner and drier air through more efficient, reliable and environmentally friendly solutions, thus substantially reducing failure rates and costs, bringing tangible benefits to customers and the environment.



As it is of great significance to maintain air quality, the International Organization for Standardization (ISO) specially classifies the levels of solid dust, water, oil and other contaminants in compressed air as follows:

ISO 8573-1:2010 Air Quality Classes

ISO	Solid Particles				Water		Oil
8537-1:2010	The maximum number of solid particles per cubic meter of air			Concentration	Vapor	Liquid	The total content (oil mist, oil droplets, and vapor)
CLASS	0.1-0.5 microns	0.5-1 microns	1-5 microns	mg/m ³	Pressure dew point	g/m ³	mg/m ³
0	Specified by different end users or manufacturers and more stringent than Class 1						
1	≤20,000	≤400	≤10	-	≤-70°C	-	0.01
2	≤400,000	≤6,000	≤100	-	≤-40°C	-	0.1
3	-	≤90,000	≤1,000	-	≤-20°C	-	1
4	-	-	≤10,000	-	≤+3°C	-	5
5	-	-	≤100,000	-	≤+7°C	-	-
6	-	-	-	≤5	≤+10°C	-	-

Compressed Air Filter

Standard filter supply range:

- The filter element designed with stainless steel internal and external supporting net provides a high filtration capacity
- The advanced filter element design concept allows for a more compact and smaller filter structure
- Easy installation allows the housings to be connected in series, thus reducing the installation and maintenance space
- Comes standard with an automatic drain (built-in drain for GDF540V* and below, and external drain for GDF690V* and above)

Available with four filtration accuracy modes: G, D, H and A

- G- Main pipeline filter, which filters water and oil mist larger than 1 μm , with water removal efficiency exceeding 95%
- D- De-dusting filter, which filters dust particles larger than 1 μm
- H- De-oiling filter, which filters particles larger than 0.01 μm , water and oil mist, with residual oil content of 0.01ppm at 7barg
- A- Precision de-oiling filter, which filters oil mist larger than 0.001 μm , with the residual oil content not exceeding 0.001mg/m³



Working medium: compressed air or non-corrosive gas

Rated working pressure: 0.7 MPa

Intake air temperature: 80°C or below

Maximum working pressure: 1.6 MPa

Model	Flow 100 psig	Air Connection Pipe Diameter (Inlet/Outlet)	Dimensions (mm)		Weight kg	Blow-Down Connection	Housing
	m ³ /min		Height	Diameter			
GDF42V*	0.7	0.75" BSPT	225	89	0.9	φ8	Aluminum alloy housing
GDF72V*	1.2	0.75" BSPT	225	89	0.9	φ8	Aluminum alloy housing
GDF108V*	1.8	0.75" BSPT	258	89	1.0	φ8	Aluminum alloy housing
GDF216V*	3.6	1" BSPT	333	120	2.4	φ8	Aluminum alloy housing
GDF294V*	4.9	1.5" BSPT	432	120	2.9	φ8	Aluminum alloy housing
GDF342V*	5.7	1.5" BSPT	432	120	2.9	φ8	Aluminum alloy housing
GDF390V*	6.5	1.5" BSPT	432	120	3.0	φ8	Aluminum alloy housing
GDF444V*	7.4	1.5" BSPT	432	120	3.0	φ8	Aluminum alloy housing
GDF540V*	9	1.5" BSPT	432	120	3.0	φ8	Aluminum alloy housing
GDF690V*	11.5	2" BSPT	521	162	5.1	R1/2	Aluminum alloy housing
GDF810V*	13.5	2" BSPT	521	162	5.1	R1/2	Aluminum alloy housing
GDF990V*	16.5	2.5" BSPT	845	162	6.5	R1/2	Aluminum alloy housing
GDF1050V*	17.5	2.5" BSPT	845	162	6.6	R1/2	Aluminum alloy housing
GDF1170V*	19.5	2.5" BSPT	845	162	6.6	R1/2	Aluminum alloy housing
GDF1380V*	23	3" BSPT	601	200	8.7	R1/2	Aluminum alloy housing
GDF1590V*	26.5	3" BSPT	601	200	8.7	R1/2	Aluminum alloy housing
GDF1740V*	29	3" BSPT	862	200	11	R1/2	Aluminum alloy housing
GDF2100V*	35	3" BSPT	862	200	11	R1/2	Aluminum alloy housing
GDF2340V*	39	3" BSPT	862	200	11	R1/2	Aluminum alloy housing
GDF2700V*	45	4" FLG	900	500	66	Rc1/2	Carbon steel housing
GDF3090V*	51.5	5" FLG	930	500	98	Rc1/2	Carbon steel housing
GDF3480V*	58	5" FLG	930	500	103	Rc1/2	Carbon steel housing
GDF4080V*	68	5" FLG	950	540	118	Rc1/2	Carbon steel housing
GDF4200V*	70	5" FLG	950	540	120	Rc1/2	Carbon steel housing
GDF4560V*	76	6" FLG	990	560	124	Rc1/2	Carbon steel housing
GDF4800V*	80	6" FLG	990	560	127	Rc1/2	Carbon steel housing
GDF5520V*	92	6" FLG	1040	640	132	Rc1/2	Carbon steel housing
GDF5940V*	99	6" FLG	1040	640	136	Rc1/2	Carbon steel housing
GDF7680V*	128	6" FLG	1040	640	148	Rc1/2	Carbon steel housing
GDF8700V*	145	8" FLG	1140	700	190	Rc1/2	Carbon steel housing

* Available with four filtration accuracy modes: G, D, H and A. The performance level complies with ISO 8573.1. For larger dimensions or special needs, contact your sales representative

Refrigerated Dryer (Rs Series)

The GD-Rs series refrigerant dryers are dedicated to providing users with cleaner and drier air, going the extra mile to meet customer needs. They consistently deliver higher efficiency, lower emissions, mature technology, and perfect reliability.



Product Information

- Non-circulating refrigerated dryer
- Rated pressure dew point: 3 ~ 7°C
- Rated treatment capacity: 0.7~145 m³/min
- Air/water-cooled models

Product Highlights



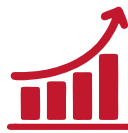
Operating Condition Enhancement

Rated Condition:

Inlet air temperature: 40°C
Ambient temperature: 30°C
Working pressure: 7 bar
Pressure dew point: 7°C (with 3°C correctable margin)

Extreme Condition:

Inlet air temperature: 60°C
Ambient temperature: 46°C
Working pressure: 16 bar



Refrigeration System Optimization

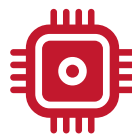
Full range of high-efficiency scroll/rotor compressors equipped with R407C high-efficiency refrigerant to ensure refrigeration efficiency.

Adoption of automatic bypass valves and electronic bypass valves to enhance the automatic adjustment capability during load changes.



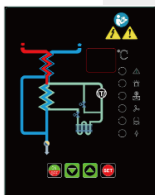
Heat Exchanger Upgrade

Adopts high-efficiency heat exchanger design to enhance heat transfer efficiency, reduce pressure loss, and improve system energy consumption.



Intelligent Control System

A brand-new control system with standard features: anti-icing blockage, remote start/stop, 485 communication, and fault alarm functions.



New Control Panel

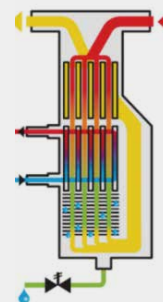
The operation panel features an intuitive design, providing six working status indication functions:

- Fault indication
- Over-temperature indication
- Defrost indication
- Fan operation indication
- Compressor operation indication
- Power indication

New Heat Exchanger Process Design

Adopts a new heat exchange process with reverse airflow design, enhancing air-water separation efficiency; increases the pre-cooler area to reduce the temperature difference between inlet and outlet, resulting in lower relative temperature of compressed air.

Designed for an operating pressure of 16 bar, with an inlet-outlet temperature difference of 5°C and pressure loss <0.15 bar, significantly improving heat exchange efficiency.



Condenser Upgrade (Water-cooled):

Adopts a newly designed 316 stainless steel plate-type condenser, featuring high heat exchange efficiency, excellent corrosion resistance, and non-pressure vessel structure. A water flow regulator is standard-equipped.



High-quality Bypass Valves

For models below GD1380Rs, automatic hot gas bypass valves are adopted to automatically adjust the opening degree according to load changes.

For models above GD1380Rs, electronic bypass valves are added to open when the temperature is below the freezing point, ensuring dew point stability and preventing low-temperature icing blockage during load fluctuations.



High-efficiency Refrigeration Compressors

The full range adopts high-efficiency scroll and rotor compressors, equipped with R407 environmental-friendly refrigerant, ensuring both refrigeration efficiency and system stability.



Refrigerated Dryer (Rs Series)

Performance Parameters Table

Model	Flow		Voltage V/Ph/hz	Voltage Range	Air Connection Pipe Diameter mm	Dimensions (mm)			Weight kg
	m ³ /min	m ³ /hr				L	W	H	
GD42Rs-A-E	0.7	42	220/1/50	10%	0.75" BSPT	400	400	650	47
GD72Rs-A-E	1.2	72	220/1/50	10%	0.75" BSPT	400	400	650	47
GD108Rs-A-E	1.8	108	220/1/50	10%	1" BSPT	520	430	660	56
GD216Rs-A-E	3.6	216	220/1/50	10%	1.5" BSPT	600	500	770	72
GD294Rs-A-E	4.9	294	220/1/50	10%	1.5" BSPT	700	650	850	79
GD342Rs-A-E	5.7	342	220/1/50	10%	1.5" BSPT	700	650	850	88
GD390Rs-A-E	6.5	390	220/1/50	10%	1.5" BSPT	700	650	850	92
GD444Rs-A-E	7.4	444	220/1/50	10%	1.5" BSPT	700	650	850	97
GD540Rs-A-E	9	540	220/1/50	10%	1.5" BSPT	750	660	880	116
GD690Rs-A-E	11.5	690	220/1/50	10%	2" BSPT	900	600	1100	147
GD810Rs-A-E	13.5	810	220/1/50	10%	2" BSPT	900	600	1100	153
GD990Rs-A-E	16.5	990	380/3/50	10%	2.5" BSPT	1000	650	1200	173
GD1050Rs-A-E	17.5	1050	380/3/50	10%	2.5" BSPT	1000	650	1200	178
GD1170Rs-A-E	19.5	1170	380/3/50	10%	2.5" BSPT	1000	650	1200	186
GD1380Rs-A-E	23	1380	380/3/50	10%	3" FLG	1160	760	1260	225
GD1590Rs-A-E	26.5	1590	380/3/50	10%	3" FLG	1160	760	1260	231
GD1740Rs-A-E	29	1740	380/3/50	10%	3" FLG	1260	800	1350	264
GD2100Rs-A-E	35	2100	380/3/50	10%	3" FLG	1260	800	1350	276
GD2340Rs-A-E	39	2340	380/3/50	10%	4" FLG	1320	1040	1700	355
GD2700Rs-A-E	45	2700	380/3/50	10%	4" FLG	1320	1040	1700	367
GD3090Rs-A-E	51.5	3090	380/3/50	10%	4" FLG	1320	1040	1700	384
GD3480Rs-A-E	58	3480	380/3/50	10%	5" FLG	1600	1280	1800	446
GD4080Rs-A-E	68	4080	380/3/50	10%	5" FLG	1600	1280	1800	465
GD4200Rs-A-E	70	4200	380/3/50	10%	5" FLG	1600	1280	1800	487
GD4560Rs-A-E	76	4560	380/3/50	10%	6" FLG	1760	1350	1900	764
GD4800Rs-A-E	80	4800	380/3/50	10%	6" FLG	1760	1350	1900	798
GD5520Rs-A-E*	92	5520	380/3/50	10%	6" FLG	1900	1480	2120	1126
GD5940Rs-A-E*	99	5940	380/3/50	10%	6" FLG	1900	1480	2120	1154
GD7680Rs-A-E*	128	7680	380/3/50	10%	6" FLG	2040	1960	2120	1582
GD8700Rs-A-E*	145	8700	380/3/50	10%	8" FLG	1900	2500	2200	1837

Non-standard customization is available. For details, please consult the Market Department of Gardner Denver.

Refrigerated Dryer (Rs Series)

Performance Parameters Table

Model	Flow		Voltage V/Ph/hz	Voltage Range	Air Connection Pipe Diameter mm	Dimensions (mm)			Weight kg
	m ³ /min	m ³ /hr				L	W	H	
GD690Rs-W-E*	11.5	690	220/1/50	10%	2" BSPT	850	500	920	136
GD810Rs-W-E*	13.5	810	220/1/50	10%	2" BSPT	850	500	920	144
GD990Rs-W-E*	16.5	990	380/3/50	10%	2.5" BSPT	1010	600	1020	165
GD1050Rs-W-E	17.5	1050	380/3/50	10%	2.5" BSPT	1010	600	1020	172
GD1170Rs-W-E	19.5	1170	380/3/50	10%	2.5" BSPT	1010	600	1020	183
GD1380Rs-W-E	23	1380	380/3/50	10%	3" FLG	1110	630	1200	212
GD1590Rs-W-E	26.5	1590	380/3/50	10%	3" FLG	1110	630	1200	227
GD1740Rs-W-E	29	1740	380/3/50	10%	3" FLG	1200	660	1230	256
GD2100Rs-W-E	35	2100	380/3/50	10%	3" FLG	1200	660	1120	272
GD2340Rs-W-E	39	2340	380/3/50	10%	4" FLG	1310	960	1500	348
GD2700Rs-W-E	45	2700	380/3/50	10%	4" FLG	1310	960	1500	359
GD3090Rs-W-E	51.5	3090	380/3/50	10%	4" FLG	1310	960	1500	372
GD3480Rs-W-E	58	3480	380/3/50	10%	5" FLG	1360	1020	1550	427
GD4080Rs-W-E	68	4080	380/3/50	10%	5" FLG	1360	1020	1550	456
GD4200Rs-W-E	70	4200	380/3/50	10%	5" FLG	1360	1020	1550	475
GD4560Rs-W-E	76	4560	380/3/50	10%	6" FLG	1560	1200	1550	754
GD4800Rs-W-E	80	4800	380/3/50	10%	6" FLG	1560	1200	1550	772
GD5520Rs-W-E*	92	5520	380/3/50	10%	6" FLG	1560	1480	1550	1117
GD5940Rs-W-E*	99	5940	380/3/50	10%	6" FLG	1560	1480	1550	1136
GD7680Rs-W-E*	128	7680	380/3/50	10%	6" FLG	1660	1580	1600	1569
GD8700Rs-W-E*	145	8700	380/3/50	10%	6" FLG	1760	2060	1650	1796

Non-standard customization is available. For details, please consult the Market Department of Gardner Denver.

Desiccant Dryer

The desiccant dryer is mainly composed of two adsorption towers filled with adsorbents. When the compressed air flows through the adsorption towers, the water is absorbed by the adsorbents, thus achieving the purpose of drying the compressed air. The two towers perform drying and regeneration alternately through the air-flow switching valve so that the adsorbents can be recycled.

Features of Desiccant Dryer

- High adsorption capacity and long service life owing to the use of high efficiency active adsorbents
- A consistent quality of the outlet air source is ensured with the intelligent control system of single chip microcomputer, which features the functionality of switching at reasonable time
- The unique sump structure design can preserve 98% of the adsorbed heat, thus improving the desorption capacity and allowing for a more thorough regeneration
- The superior air distribution design allows the air to evenly pass through the adsorption layer, thus avoiding the formation of voids
- The high quality pneumatic switching valve features sensitive action and reliable performance

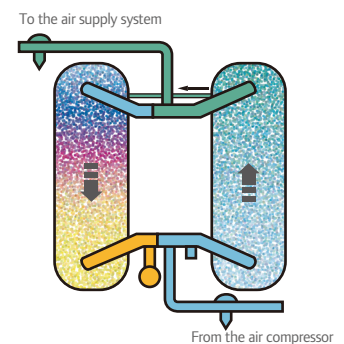
The adsorption dryer is divided into two types, i.e. heatless type and micro-heat type, depending on the process used. The basic difference between the two processes lies in the way in which the moisture is removed from the desiccant, i.e. the way in which the adsorbent is regenerated. How to choose the adsorption dryer technology depends on the requirements on the compressed air flow and quality of the system, the service cycle cost and other factors.



Heatless Desiccant Dryer

This process regenerates the adsorbents by introducing some dry compressed air. The compressed air is discharged through the muffler after absorbing the moisture. This type of dryer requires some dry compressed air to be separated from the system for desiccant regeneration. As no external power supply is required, the initial investment is lower despite the relatively high operating cost.

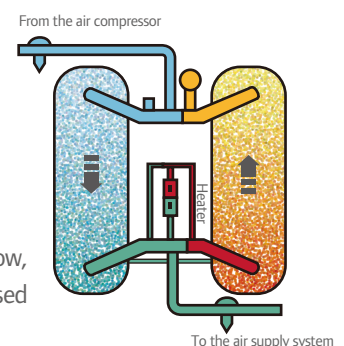
- | | |
|---|--|
| ■ Air flow: 1.1 to 127 m ³ /min | ■ Low initial investment cost |
| ■ Rated working pressure: 0.7 MPa | ■ No external power supply |
| ■ Maximum working pressure: 1.0 MPa | ■ Low-temperature running |
| ■ Maximum intake air temperature: 45°C | ■ Safe and reliable |
| ■ Pressure dew point: -40°C/-20°C for two product types | ■ Recommended places of application: small flow, intermittent air usage. Remote control, power plants or laboratories, etc |
| ■ Regeneration air consumption: 14% | |



Micro-Heat Desiccant Dryer

It works in a way similar to that of a heatless adsorption regenerative dryer, but the compressed air from the system first passes through an efficient external heater before entering the regeneration tower to regenerate the desiccant, allowing the heated compressed air to absorb more moisture. For this type of dryer, the initial investment cost is relatively high because of the added heater and related parts, but the operating cost is lower because of the reduced regeneration air consumption.

- | | |
|---|---|
| ■ Air flow: 1.1 to 145 m ³ /min | ■ Low operating cost |
| ■ Rated working pressure: 0.7 MPa | ■ Less regeneration air consumption |
| ■ Maximum working pressure: 1.0 MPa | ■ Large-flow air usage |
| ■ Maximum intake air temperature: 45°C | ■ Lower pressure dew point |
| ■ Pressure dew point: -40°C/-20°C for two product types | ■ Recommended places of application: large flow, continuous air usage, requiring drier compressed air, availability of external power supply, etc |
| ■ Regeneration air consumption: 8% | |



Desiccant Dryer

Performance Parameters Table

Heatless Desiccant Dryer

Model	Flow	Voltage	Air Connection Pipe Diameter		Dimensions L*W*H (mm)		Weight (kg)	
	m³/min	V/Ph/hz	VLi	VLi20	VLi	VLi20	VLi	VLi20
GD66VLi / GD66VLi20	1.1	220/1/50	3/4"BSPT	3/4"BSPT	730*480*1550	730*480*1550	132	132
GD126VLi / GD126VLi20	2.1	220/1/50	3/4"BSPT	3/4"BSPT	950*550*1630	850*500*1610	168	144
GD198VLi / GD198VLi20	3.3	220/1/50	1"BSPT	3/4"BSPT	1050*600*1680	950*550*1630	321	168
GD282VLi / GD282VLi20	4.7	220/1/50	1-1/2"BSPT	1"BSPT	1050*600*1680	1050*600*1680	342	321
GD426VLi / GD426VLi20	7.1	220/1/50	1-1/2"BSPT	1-1/2"BSPT	1250*650*1760	1050*600*1680	405	342
GD660VLi / GD660VLi20	11	220/1/50	2"BSPT	1-1/2"BSPT	1350*700*1840	1250*650*1760	485	405
GD780VLi / GD780VLi20	13	220/1/50	2"BSPT	2"BSPT	1350*700*1840	1350*700*1840	565	485
GD960VLi / GD960VLi20	16	220/1/50	2-1/2"BSPT	2"BSPT	1450*800*1930	1350*700*1840	814	565
GD1260VLi / GD1260VLi20	21	220/1/50	3"BSPT	2-1/2"BSPT	1680*950*2060	1450*800*1930	955	814
GD1560VLi / GD1560VLi20	26	220/1/50	3"BSPT	3"BSPT	1750*950*2080	1680*950*2060	1112	955
GD1860VLi / GD1860VLi20	31	220/1/50	3"BSPT	3"BSPT	1850*1000*2150	1750*950*2080	1238	1112
GD2520VLi / GD2520VLi20	42	220/1/50	DN100FLG	3"BSPT	2000*1100*2260	1850*1000*2150	1537	1238
GD3060VLi / GD3060VLi20	51	220/1/50	DN125FLG	DN100FLG	2100*1200*2430	2000*1100*2260	1818	1537
GD3720VLi / GD3720VLi20	62	220/1/50	DN125FLG	DN125FLG	2200*1265*2430	2100*1200*2430	2156	1818
GD4920VLi / GD4920VLi20	82	220/1/50	DN150FLG	DN125FLG	2320*1400*2680	2200*1265*2430	2860	2156
GD6780VLi / GD6780VLi20	113	220/1/50	DN150FLG	DN150FLG	2420*1450*2680	2320*1400*2680	3820	2860
GD7620VLi / GD7620VLi20	127	220/1/50	DN150FLG	DN150FLG	2620*1500*2750	2420*1450*2680	4226	3820

Micro-Heat Desiccant Dryer

Model	Flow	Voltage V/Ph/hz		Heater Power (kW)		Air Connection Pipe Diameter		Dimensions L*W*H (mm)		Weight (kg)	
	m³/min	VEi	VEi20	VEi	VEi20	VEi	VEi20	VEi	VEi20	VEi	VEi20
GD66VEi / GD66VEi20	1.1	220/1/50	220/1/50	0.5	0.5	3/4"BSPT	3/4"BSPT	730*480*1550	730*480*1550	145	145
GD126VEi / GD126VEi20	2.1	220/1/50	220/1/50	1	1	3/4"BSPT	3/4"BSPT	950*550*1650	850*500*1600	186	152
GD198VEi / GD198VEi20	3.3	220/1/50	220/1/50	1.5	1	1"BSPT	3/4"BSPT	1050*600*1720	950*550*1650	347	186
GD282VEi / GD282VEi20	4.7	220/1/50	220/1/50	2.1	1.5	1-1/2"BSPT	1"BSPT	1050*600*1720	1050*600*1720	385	347
GD426VEi / GD426VEi20	7.1	220/1/50	220/1/50	3	2.1	1-1/2"BSPT	1-1/2"BSPT	1250*650*1800	1050*600*1720	447	385
GD660VEi / GD660VEi20	11	380/3/50	220/1/50	4.2	3	2"BSPT	1-1/2"BSPT	1350*700*1900	1250*650*1800	533	447
GD780VEi / GD780VEi20	13	380/3/50	380/3/50	4.8	4.2	2"BSPT	2"BSPT	1350*700*1900	1350*700*1900	611	533
GD960VEi / GD960VEi20	16	380/3/50	380/3/50	6	4.8	2-1/2"BSPT	2"BSPT	1450*800*1980	1350*700*1900	867	611
GD1260VEi / GD1260VEi20	21	380/3/50	380/3/50	7.8	6	3"BSPT	2-1/2"BSPT	1680*950*2100	1450*800*1980	1009	867
GD1560VEi / GD1560VEi20	26	380/3/50	380/3/50	9	7.8	3"BSPT	3"BSPT	1750*950*2110	1680*950*2100	1145	1009
GD1860VEi / GD1860VEi20	31	380/3/50	380/3/50	10.8	9	3"BSPT	3"BSPT	1850*1000*2190	1750*950*2110	1302	1145
GD2520VEi / GD2520VEi20	42	380/3/50	380/3/50	15	10.8	DN100FLG	3"BSPT	2000*1100*2300	1850*1000*2190	1611	1302
GD3060VEi / GD3060VEi20	51	380/3/50	380/3/50	18	15	DN125FLG	DN100FLG	2100*1200*2450	2000*1100*2300	1912	1611
GD3720VEi / GD3720VEi20	62	380/3/50	380/3/50	21	18	DN125FLG	DN125FLG	2200*1265*2470	2100*1200*2450	2280	1912
GD4920VEi / GD4920VEi20	82	380/3/50	380/3/50	30	21	DN150FLG	DN125FLG	2320*1400*2720	2200*1265*2470	3046	2280
GD6780VEi / GD6780VEi20	113	380/3/50	380/3/50	37.5	30	DN150FLG	DN150FLG	2420*1450*2720	2320*1400*2720	3982	3046
GD7620VEi / GD7620VEi20	127	380/3/50	380/3/50	42	37.5	DN150FLG	DN150FLG	2620*1500*2800	2420*1450*2720	4396	3982
GD8700VEi / GD8700VEi20	145	380/3/50	380/3/50	51	42	DN200FLG	DN150FLG	3000*1700*2900	2620*1500*2800	5060	4396

* The performance level complies with ISO 8573.1

The performance parameters are designed with the ambient temperature 40 °C, the intake air temperature below 45 °C and the working pressure 7 barg

The front end of the adsorption regenerative dryer must be equipped with an H Class de-oiling filter, and the outlet end must be equipped with a G Class filter or a D Class high efficiency de-dusting filter

For larger or special models, contact your Ingersoll Rand sales representative

GD-ILR-E/IER-E Desiccant Dryer (Dew point -20 °C)

Performance Parameters Table

Heatless Desiccant Dryer

Model	Flow	Voltage	Air Connection Pipe Diameter	Dimensions L*W*H	Weight kg
	m³/min	V/Ph/hz		mm	
GD72ILR20-E	1.2	220/1/50	1/2"BSPT	730*480*1550	132
GD126ILR20-E	2.1	220/1/50	3/4"BSPT	850*500*1620	144
GD216ILR20-E	3.6	220/1/50	3/4"BSPT	950*550*1630	168
GD282ILR20-E	4.7	220/1/50	1"BSPT	1050*600*1680	321
GD312ILR20-E	5.2	220/1/50	1"BSPT	1050*600*1680	328
GD408ILR20-E	6.8	220/1/50	1-1/2"BSPT	1050*600*1680	358
GD540ILR20-E	9	220/1/50	1-1/2"BSPT	1250*650*1760	405
GD690ILR20-E	11.5	220/1/50	1-1/2"BSPT	1250*650*1760	427
GD840ILR20-E	14	220/1/50	2"BSPT	1350*700*1840	485
GD1050ILR20-E	17.5	220/1/50	2"BSPT	1350*700*1840	565
GD1380ILR20-E	23	220/1/50	2-1/2"BSPT	1450*800*1930	814
GD1710ILR20-E	28.5	220/1/50	3"BSPT	1680*950*2060	955
GD2040ILR20-E	34	220/1/50	3"BSPT	1750*950*2080	1112
GD2550ILR20-E	42.5	220/1/50	DN100FLG	1850*1000*2150	1238
GD3120ILR20-E	52	220/1/50	DN100FLG	2000*1100*2260	1537
GD3600ILR20-E	60	220/1/50	DN125FLG	2100*1200*2430	1818
GD4500ILR20-E	75	220/1/50	DN125FLG	2200*1250*2430	2156
GD5220ILR20-E	87	220/1/50	DN125FLG	2200*1250*2430	2182
GD5940ILR20-E	99	220/1/50	DN150FLG	2320*1400*2680	2832
GD6780ILR20-E	113	220/1/50	DN150FLG	2320*1400*2680	2860
GD7620ILR20-E	127	220/1/50	DN150FLG	2420*1450*2680	3820

Heated Desiccant Dryer

Model	Flow	Voltage	Air Connection Pipe Diameter	Dimensions L*W*H	Weight kg
	m³/min	V/Ph/hz		mm	
GD72IER20-E	1.2	220/1/50	1/2"BSPT	730*480*1550	145
GD126IER20-E	2.1	220/1/50	3/4"BSPT	850*500*1620	152
GD216IER20-E	3.6	220/1/50	3/4"BSPT	950*550*1630	186
GD282IER20-E	4.7	220/1/50	1"BSPT	1050*600*1720	347
GD312IER20-E	5.2	220/1/50	1"BSPT	1050*600*1720	352
GD408IER20-E	6.8	220/1/50	1-1/2"BSPT	1050*600*1720	395
GD540IER20-E	9	220/1/50	1-1/2"BSPT	1250*650*1800	447
GD690IER20-E	11.5	220/1/50	1-1/2"BSPT	1250*650*1800	456
GD840IER20-E	14	380/3/50	2"BSPT	1350*700*1900	533
GD1050IER20-E	17.5	380/3/50	2"BSPT	1350*700*1900	611
GD1380IER20-E	23	380/3/50	2-1/2"BSPT	1450*800*1980	867
GD1710IER20-E	28.5	380/3/50	3"BSPT	1680*950*2100	1009
GD2040IER20-E	34	380/3/50	3"BSPT	1750*950*2110	1145
GD2550IER20-E	42.5	380/3/50	DN100FLG	1850*1000*2190	1302
GD3120IER20-E	52	380/3/50	DN100FLG	2000*1100*2300	1611
GD3600IER20-E	60	380/3/50	DN125FLG	2100*1200*2450	1912
GD4500IER20-E	75	380/3/50	DN125FLG	2200*1250*2470	2280
GD5220IER20-E	87	380/3/50	DN125FLG	2200*1250*2470	2312
GD5940IER20-E	99	380/3/50	DN150FLG	2320*1400*2720	2988
GD6780IER20-E	113	380/3/50	DN150FLG	2320*1400*2720	3046
GD7620IER20-E	127	380/3/50	DN150FLG	2420*1450*2720	3982

NOTE:

1.Standard conditions with ambient temperature: 38°C, inlet temperature: 38°C, inlet pressure: 7 barg, Pressure Dew-point: -20°C;

2.Max ambient temperature: 40°C, Max inlet temperature: 45°C, Max inlet pressure: 10 barg;

GD-ILR-E/IER-E Desiccant Dryer (Dew point -40 °C)

Performance Parameters Table

Heatless Desiccant Dryer

Model	Flow	Voltage	Air Connection	Dimensions L*W*H	Weight
	m³/min	V/Ph/hz	Pipe Diameter	mm	kg
GD72ILR40-E	1.2	220/1/50	1/2"BSPT	730*480*1550	132
GD126ILR40-E	2.1	220/1/50	3/4"BSPT	950*550*1630	168
GD216ILR40-E	3.6	220/1/50	1"BSPT	1050*600*1680	321
GD282ILR40-E	4.7	220/1/50	1-1/2"BSPT	1050*600*1680	342
GD312ILR40-E	5.2	220/1/50	1-1/2"BSPT	1050*600*1680	358
GD408ILR40-E	6.8	220/1/50	1-1/2"BSPT	1250*650*1760	405
GD540ILR40-E	9	220/1/50	2"BSPT	1350*700*1840	442
GD690ILR40-E	11.5	220/1/50	2"BSPT	1350*700*1840	485
GD840ILR40-E	14	220/1/50	2"BSPT	1350*700*1840	565
GD1050ILR40-E	17.5	220/1/50	2-1/2"BSPT	1450*800*1930	814
GD1380ILR40-E	23	220/1/50	3"BSPT	1680*950*2060	955
GD1710ILR40-E	28.5	220/1/50	3"BSPT	1750*950*2080	1112
GD2040ILR40-E	34	220/1/50	DN100FLG	1850*1000*2150	1238
GD2550ILR40-E	42.5	220/1/50	DN100FLG	2000*1100*2260	1537
GD3120ILR40-E	52	220/1/50	DN125FLG	2100*1200*2430	1818
GD3600ILR40-E	60	220/1/50	DN125FLG	2200*1250*2430	2156
GD4500ILR40-E	75	220/1/50	DN150FLG	2320*1400*2680	2832
GD5220ILR40-E	87	220/1/50	DN150FLG	2320*1400*2680	2860
GD5940ILR40-E	99	220/1/50	DN150FLG	2420*1450*2680	3385
GD6780ILR40-E	113	220/1/50	DN150FLG	2420*1450*2680	3820
GD7620ILR40-E	127	220/1/50	DN150FLG	2620*1500*2750	4226

Heated Desiccant Dryer

Model	Flow	Voltage	Air Connection	Dimensions L*W*H	Weight
	m³/min	V/Ph/hz	Pipe Diameter	mm	kg
GD72IER40-E	1.2	220/1/50	1/2"BSPT	730*480*1550	145
GD126IER40-E	2.1	220/1/50	3/4"BSPT	950*550*1630	186
GD216IER40-E	3.6	220/1/50	1"BSPT	1050*600*1720	347
GD282IER40-E	4.7	220/1/50	1-1/2"BSPT	1050*600*1720	385
GD312IER40-E	5.2	220/1/50	1-1/2"BSPT	1050*600*1720	395
GD408IER40-E	6.8	220/1/50	1-1/2"BSPT	1250*650*1800	447
GD540IER40-E	9	380/3/50	2"BSPT	1350*700*1900	496
GD690IER40-E	11.5	380/3/50	2"BSPT	1350*700*1900	533
GD840IER40-E	14	380/3/50	2"BSPT	1350*700*1900	611
GD1050IER40-E	17.5	380/3/50	2-1/2"BSPT	1450*800*1980	867
GD1380IER40-E	23	380/3/50	3"BSPT	1680*950*2100	1009
GD1710IER40-E	28.5	380/3/50	3"BSPT	1750*950*2110	1145
GD2040IER40-E	34	380/3/50	DN100FLG	1850*1000*2190	1302
GD2550IER40-E	42.5	380/3/50	DN100FLG	2000*1100*2300	1611
GD3120IER40-E	52	380/3/50	DN125FLG	2100*1200*2450	1912
GD3600IER40-E	60	380/3/50	DN125FLG	2200*1250*2470	2280
GD4500IER40-E	75	380/3/50	DN150FLG	2320*1400*2720	2988
GD5220IER40-E	87	380/3/50	DN150FLG	2320*1400*2720	3046
GD5940IER40-E	99	380/3/50	DN150FLG	2420*1450*2720	3506
GD6780IER40-E	113	380/3/50	DN150FLG	2420*1450*2720	3982
GD7620IER40-E	127	380/3/50	DN150FLG	2620*1500*2800	4396

NOTE:
1.Standard conditions with ambient temperature: 38°C, inlet temperature: 38°C, inlet pressure: 7 barg, Pressure Dew-point: -40°C;
2.Max ambient temperature: 40°C, Max inlet temperature: 45°C, Max inlet pressure: 10 barg;

Gardner Denver Manages Your System with Heart and Soul

Gardner Denver has been manufacturing air compressors, blowers, vacuum pumps and related accessories for over 160 years. We are committed to helping customers achieve greater success by constantly improving the quality of our products and services through self-iteration and continuous innovation.

Gardner Denver is always ready to provide you with efficient, reliable and energy-saving compressed air and system solutions.

Oil-flooded Fixed Speed Air Compressor

Single-state air compressor

0.81-64.00m³/min
7-14barg

Two-state air compressor

29.60-70.10m³/min
7-14barg

Integrated Air compressor with
inbuilt refrigerated dryer

0.81-3.70m³/min
7-12.5barg



Oil-flooded PM VSD Air Compressor

0.15-31.00m³/min
7-10barg



Oil-flooded General VSD Air Compressor (Non-permanent Magnet)

12.10-70.10m³/min
7-14barg



Oil-flooded Low Pressure Air Compressor

Low pressure 5barg

50.4-61.5m³/min
4.5-5.5barg



Oil-free Air Compressor

Oil-free scroll air compressor

0.21-3.78m³/min
8-10barg



Water Lubricating Oil-free Permanent Magnetic VSD Air Compressor

Low-pressure model

0.60-70.00m³/min
3-4barg

Medium-pressure model

1.40-40.00m³/min
20-40barg

Normal-pressure model

0.30-27.00m³/min
7-10barg



Compressed Air Purification System

Pipelined filter

Refrigerated dryer

Desiccant dryer



After-sales Services for Peace of Mind

24-hour toll-free service hotline

Genuine spare parts

Customized services



System Solutions

Heat recovery system

iConn intelligent connected platform



Office Location

SINGAPORE

Ingersoll-Rand Singapore Enterprises Pte Ltd

42 Benoi Road
Singapore 629903
Republic of Singapore
Tel: +65 6861 1555

INDONESIA

PT Ingersoll-Rand Indonesia

Pondok Indah Office Tower 2, 16th Floor, Suite 1601
Jl. Sultan Iskandar Muda Kav. V TA
Pondok Pinang, Kebayoran Lama, Jakarta 12310
Tel: +62 21 7592 2828
Fax: +62 21 7592 2827

THAILAND

Gardner Denver Thailand

36 Soi Bangna-Trad23
Bangna-Trad Rd.
Kwang Bangna, Khet Bangna
Bangkok Thailand 10260
Tel: +66 2396 1134
Fax: +66 2396 1136

PHILIPPINES

Ingersoll-Rand Philippines Inc

Bays 8 and 9 ECH Plaza
No. 8006 Drive A. Santos Avenue
Barangay BF Homes 1, Sucat,
Parañaque City
NCR, Philippines
Tel: +63 9178139872
Email: sales.philippines@irco.com

VIETNAM

Ingersoll-Rand Vietnam Co., Ltd

9th Floor, No 106 Nguyen Van Troi Street
Ward 8, District Phu Nhuan
Ho Chi Minh City, Vietnam
Tel: +84 28 3997 7428
Fax: +84 28 3997 7426

MALAYSIA

Ingersoll-Rand Malaysia Co Sdn Bhd

CUSTOMER CENTRE – CENTRAL MALAYSIA
No.7 Jalan Geremit 15/22, Taman Perindustrian Tiong Nam, Seksyen 15 40200 Shah Alam, Selangor, Malaysia
Tel: +603-5633 3322
Fax: +603-5634 5911
Email: ir_malaysia@irco.com

CUSTOMER CENTRE – NORTH MALAYSIA
2 Lorong Saga Jaya 6, Saga Jaya Industrial Park, 13600 Prai, Pulau Pinang.
Tel: +604-386 6512/6513
Fax: +604 - 386 6516

CUSTOMER CENTRE – SOUTH & EAST MALAYSIA
No. 20 Jalan Kempas Utama ¾, Taman Kempas Utama, 81300 Johor Bahru, Johor.
Tel: +607-559 0545
Fax: +607-5590255

SALES OFFICE – MELAKA
No 30 (Groundfloor), Jalan LJ 1, Taman Limbongan Jaya, 75200 Melaka.
Email: irm_melaka@irco.com



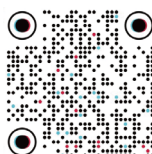
Gardner Denver website



Gardner Denver LinkedIn



Zalo



TikTok

Scan QR code to follow account

**Gardner
Denver**