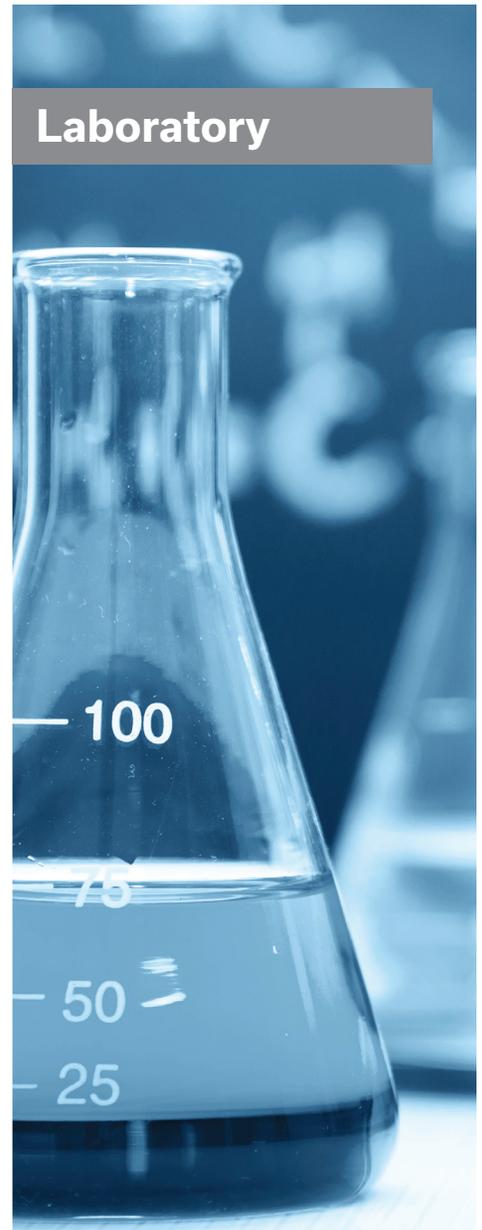


## A TOTAL SOLUTION

### Oil-Free Compressed Air & Nitrogen Gas Generation

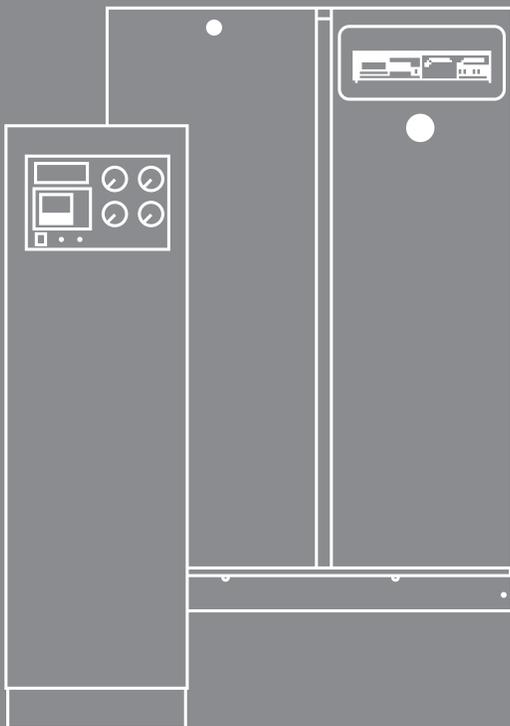


# syn·er·gy

*/'sinərjē/*

*noun*

the interaction or cooperation of two or more organizations, substances, or other agents to produce a combined effect greater than the sum of their separate effects.



Two global leaders with significant expertise in their fields and recognized across the world for their innovation & reliability, working together in partnership to deliver a combined compressed air & nitrogen gas generation solution for sectors such as food & beverage, pharmaceutical and laboratory. The synergy between Hitachi's Oil-Free Air Compressor and Peak's Nitrogen Gas Generator creates a total solution, perfect for industrial manufacturing & processing.

**HITACHI**

**PEAK**

# ULTRA-RELIABLE



## Hitachi SRL Series Compressor

The ultra-reliable SRL Series compressors are built on over 100 years of Hitachi's compressed air technology. These innovations make it one of the most reliable, efficient and quietest scroll compressors in the market, in a compact and durable enclosure. Equally important, the SRL Series is 100% oil-less, meaning zero oil is used in the compressor. This results in the highest quality air for your application while conserving natural resources and eliminating harmful emissions into the environment. The Hitachi SRL Series is the ideal compressor for delivering oil-free air into the Peak i-Flow Nitrogen Generator.

Oil-Free, Sustainable Nitrogen Gas Generation

## Simplified

## Peak i-Flow Nitrogen Generator

i-Flow is a modular & scalable on-site nitrogen generation system, capable of producing a continuous supply of nitrogen gas to meet the demands of industrial manufacturing and processing applications. Harnessing the latest in gas purification technologies, i-Flow is the most cost effective, efficient and economical nitrogen generation system available on the market. It delivers a wide range of customizable purity and flow rates on a large scale, and is suitable for use in numerous industries. Combine with Hitachi's Oil-Free air for a constant, reliable, on-demand supply of nitrogen gas.



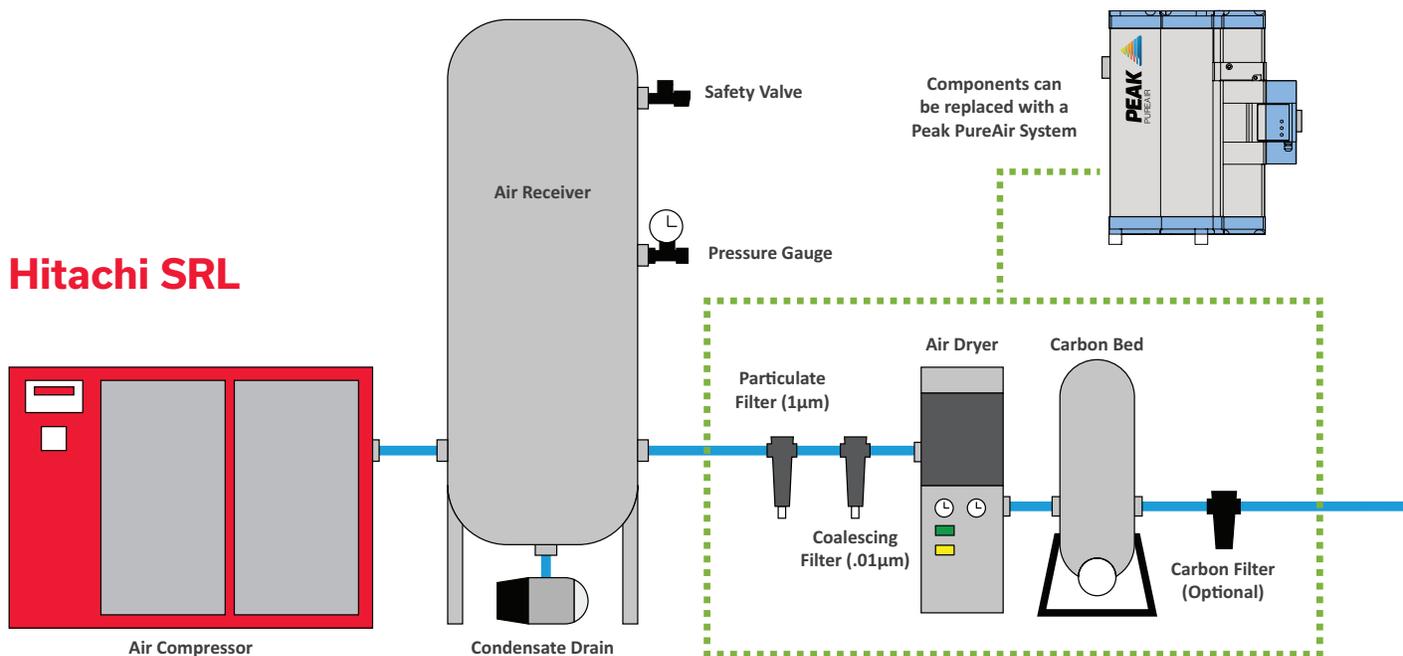
# ON-DEMAND

# Innovative

The Hitachi SRL Series has a patented scroll wrap design and proprietary tip seal that increases performance and efficiency. A unique pressure control method, Cycle Control Logic, creates a highly reliable system that minimizes restart frequencies and energy usage.

All Peak i-Flow units have continuous real time monitoring of the nitrogen purity produced. This can be displayed in % purity or PPM dependent upon specific requirements.

A small, self-contained, complete pre-filtration system, known as PureAir, is available to meet ISO 8573-1:2010 Class 1.2.1 air quality demands.



## SRL BENEFITS



### 100% Oil-Less

Hitachi oil-free scroll technology is 100% oil-less, meaning zero oil is used to produce the highest quality air for your pure air application.



### Quiet

A full enclosure with leak path minimization makes the SRL Series one of the quietest compressors on the market.



### Durable

A special Alumite surface treatment extends the scroll life and reduces life cycle costs.



### Compact

A small footprint and easy panel accessibility allow Hitachi scroll compressors to fit in areas that other compressors can't.



### High Performance

The patented scroll wrap design decreases leakage to improve performance and efficiency, thus extending service intervals.



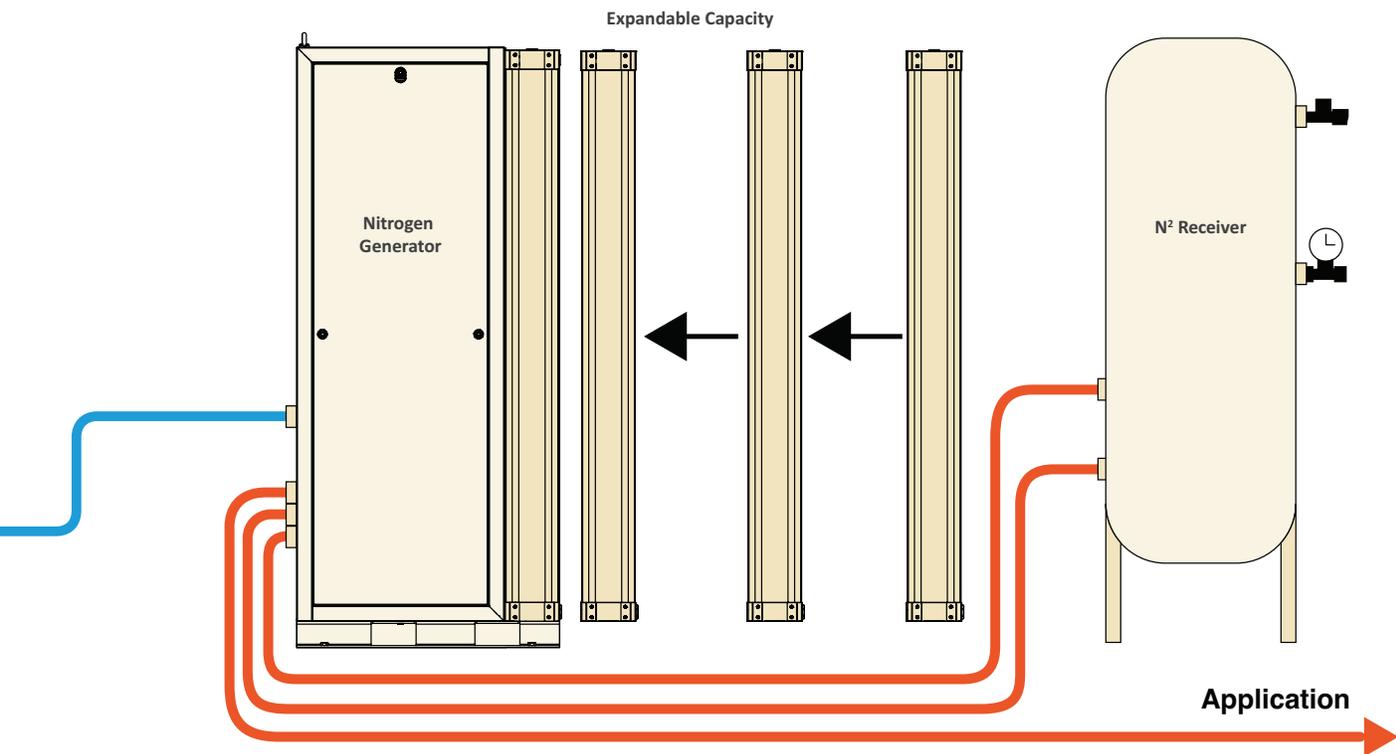
### Eco-Friendly

This highly efficient, oil-less scroll compressor eliminates harmful emissions into the environment, and produces less CO<sub>2</sub>.

# Expandable

Peak Industrial's nitrogen generation systems are designed to be a future-proof, space-saving and sustainable solution. To accommodate inevitable future growth and your expanding business needs, i-Flow can be scaled out retrospectively, with additional Peak CMS banks or modular units. This offers companies the flexibility to incorporate a solution that can continually adapt infrastructure in line with growth, rather than being constrained by an increasingly expensive or fixed capacity nitrogen gas solution.

## Peak i-Flow



## i-FLOW BENEFITS



### Guaranteed Supply

Increased efficiencies, maximum productivity and minimum downtime.



### Eliminate On-Going Costs

No more equipment rental, long contracts or re-supply ordering.



### Increased Safety

No need for pressurized gas storage so safer than bulk delivery options.



### More Sustainable

Reduced carbon footprint by eliminating trucking of cylinders to your site.



### Less Wastage

Consistent and reliable supply means fewer product defects or rejections.



### Future Proof

Expandable on-demand N<sub>2</sub> generation that meets future needs.

# Hitachi SRL Specifications

## Oil-Free Simplex Scroll Air Compressor 2–7.5 HP (1.5–5.5kW)

Model	Rated Pressure	Nominal Motor Output	FAD	Main Voltage	Weight	Outlet
	psig (MPa)	HP (kW)	ACFM (L/min)	V/ Φ /Hz	lb (kg)	NPT
SRL-1.5MA6	120 (0.83)	2 (1.5)	5.7 (160)	208-230 / 460/ 3-ph / 60	373 (169)	3/8
SRL-2.2MA6	120 (0.83)	3 (2.2)	8.5 (240)	208-230 / 460 / 3-ph / 60	406 (184)	3/8
	145 (1.0)		7.1 (200)			
SRL-3.7MA6	120 (0.83)	5 (3.7)	14.1 (400)	208-230 / 460 / 3-ph / 60	485 (220)	3/8
SRL-5.5MA6	120 (0.83)	7.5 (5.5)	21.2 (600)	208-230 / 460 / 3-ph / 60	551 (250)	3/8
	145 (1.0)		15.5 (440)			

## Oil-Free Multiplex Scroll Air Compressor 10–40 HP (7.7–33kW)

Model	Rated Pressure	Nominal Motor Output	FAD	Main Voltage	Weight	Outlet
	psig (MPa)	HP (kW) (pump Config. in kW)	ACFM (L/min)	V/ Φ /Hz	lb (kg)	NPT
SRL-7.5MA6	122 (0.84)	10/7.7 (2.2 + 5.5)	30.2 (855)	208-230/460	888 (403)	3/4
	145 (1.0)		23.7 (670)			
SRL-11MA6	122 (0.84)	15/11 (2x5.5)	43.1 (1,220)	208-230/460	992 (450)	3/4
	145 (1.0)		32.7 (925)			
SRL-16.5MA6	122 (0.84)	22/16.5 (3x5.5)	64.6 (1,830)	208-230/460	1,367 (620)	1
	145 (1.0)		48.9 (1,385)			
SRL-22MA6	122 (0.84)	30/22 (4x5.5)	86.2 (2,440)	208-230/460	2,249 (1,020)	1–1/2
	145 (1.0)		67.8 (1,920)			
SRL-33MA6	122 (0.84)	44/33 (6x5.5)	129 (3,660)	208-230/460	2,778 (1,260)	1–1/2
	145 (1.0)		102 (2,880)			

# Hitachi SRL Dimensions

## Oil-Free Simplex Scroll Air Compressor

Model	Length inch (mm)	Width inch (mm)	Height inch (mm)
SRL-1.5MA6	27 (695)	28 (700)	45 (1,145)
SRL-2.2MA6			
SRL-3.7MA6	31 (800)	30 (750)	47 (1,190)
SRL-5.5MA6			

## Oil-Free Multiplex Scroll Air Compressor

Model	Length inch (mm)	Width inch (mm)	Height inch (mm)
SRL-7.5MA6	42.5 (1,080)	30.3 (770)	53.0 (1,345)
SRL-11MA6			
SRL-16.5MA6	54.3 (1,380)	30.3 (770)	58.9 (1,495)
SRL-22MA6	58.9 (1,495)	57.9 (1,470)	59.1 (1,500)
SRL-33MA6			

### Simplex Notes:

1. FAD shows the flow rate converted in suction condition at maximum pressure.
2. Unit is designed for specific voltage.
3. An air receiver tank must be installed. Please refer to Instruction Manual for proper sizing.
4. The appearance and specifications are subject to change without prior notice.
5. Hitachi Compressors are not designed, intended or approved for Breathing Air Applications.  
Hitachi assumes no responsibility or liability for compressors used in breathing air applications.

### Multiplex Notes:

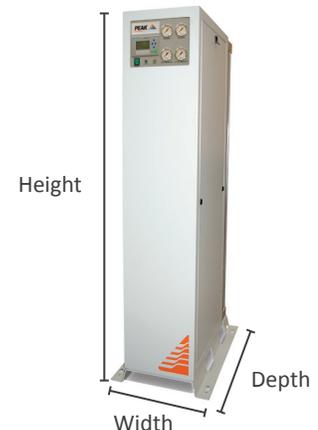
6. When Multi-Drive Mode is enabled maximum pressure is reduced for energy savings.



# Peak i-Flow Specifications

LPM*										
Oxygen Content (PPM)	601X	602X	603X	604X	605X	606X	607X	608X	609X	610X
10ppm	40	80	120	150	188	235	265	300	330	370
100ppm	69	138	207	270	335	405	462	532	591	644
500ppm	102	195	280	362	452	549	634	724	812	905
0.10%	118	212	318	406	508	620	710	812	890	989
0.50%	150	300	450	585	737	874	1015	1168	1314	1460
1%	190	370	530	708	885	1062	1238	1415	1574	1748
2%	245	490	665	858	1065	1287	1507	1720	1930	2145
3%	295	578	810	1045	1278	1574	1828	2090	2352	2612
4%	355	645	915	1136	1420	1704	1988	2282	2556	2840
5%	390	715	1070	1416	1649	2045	2478	2778	3145	3402
<b>Voltage</b>	100 - 230 VAC									
<b>Frequency</b>	50/60 Hz									
<b>Current</b>	2.0 Amp									
<b>Input Connection</b>	C20 Plug									
<b>Electrical Requirements</b>	110 - 230 VAC / 50 / 60 Hz									
<b>Power Cord (Supplied)</b>	C19 Socket to local connection									
<b>Power Consumption</b>	250 Watts									
<b>Operating Temperature</b>	5 °C - 50 °C / 41 °F - 122 °F									
<b>Heat Output</b>	Air Output 5 - 10 °C Above Ambient									
<b>Pollution Degree</b>	2									
<b>Installation</b>	II									
Dimensions										
<b>Width inch (mm)</b>	19.68 (500)									
<b>Height inch (mm)</b>	68.42 (1738)									
<b>Depth inch (mm)</b>	29.92 (760)	36.22 (920)	42.52 (1080)	48.82 (1240)	55.12 (1400)	61.42 (1560)	67.72 (1720)	74.02 (1880)	80.31 (2040)	86.61 (2200)
<b>Weight kg (lbs)</b>	197 (433)	282 (620)	367 (807)	452 (994)	537 (1181)	622 (1368)	707 (1555)	792 (1742)	877 (1929)	962 (2116)
<b>Shipping weight kg (lbs)</b>	277 (609)	364 (801)	452 (992)	538 (1184)	625 (1375)	712 (1566)	799 (1758)	886 (1949)	973 (2141)	1060 (2333)
<b>Noise Level</b>	59dBa @ 1m									

\*Performance data is based on 7 bar (G) inlet air pressure and 20 – 25 ° ambient temperature.  
(Flow reference conditions, 20°, 1013 millibar (a), 0% Relative Humidity)



# GLOBAL SOLUTIONS

## Local Service



For more information, please contact:

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Inspire the Next

### Air Compressor Technologies

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 [airtechinfo@hal.hitachi.com](mailto:airtechinfo@hal.hitachi.com)

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