

Industrial

Air Compressors and Vacuum Systems



Amico

Oil Injected Rotary Screw

7.5HP - 150HP Air Compressor System



Our Oil Injected line of Rotary screw compressors are a great choice to meet your Industrial Air requirements. Benefits include energy efficiency, minimal oil carryover and less heat output than most other technologies. We offer direct or belt driven compressors, air or water cooled and with fixed or variable speed drive. We can do automated lead-lag operation as well as a complete package with receiver and air treatment plant.

Microcomputer controller equipped with pressure and temperature sensors provide diagnostics for additional protection of internal components, which enables to offer many alarm messages and many errors for protection.

Rigid design structure allows for less vibration and low noise during compressor operation. Common base frame is designed for easy handling through forklift.

Two Stage Lubricated Screw Product Data

Horsepower	7.5	10	15	20	25	30	40	50	60	75	100	120
Motor Output - Kilowatts	5.5	7.5	11	15	18	22	30	37	45	55	75	90
Rated Pressure	116-220	116-220	116-220	116-220	116-220	116-220	116-220	116-220	116-220	116-220	116-220	116-220
Compressor Capacities (PSI)	14.3-25	25-38.8	42-60	60-84.8	74-102	81-127	124-177	162-240	194-283	230-346	318-462	410-593
Belt Driven	✓	✓	✓	✓	✓	✓						
Direct Driven							✓	✓	✓	✓	✓	✓
VFD Capability		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water Cool Available										✓	✓	✓

Configurations



10HP Enclosed Rotary Screw



40HP Enclosed Rotary Screw

Enclosed Scroll

2HP - 44HP Air Compressor System



While utilizing a completely oil free design, the Scroll Enclosure Air Compressor is capable of delivering clean air for any critical operation. Thus, eliminating oil contamination which is one of the leading causes of equipment failure. The Scroll Enclosure Air Compressor operates without oil or lubricant inside the air compression chamber, which increases the lifetime of the compressor and lowers the cost of maintenance for the facility.

Unlike other compressor technologies, the Scroll Air Compressor utilizes the latest premium efficiency motor allowing the compressor to start and stop based on usage. This eliminates the need to operate the compressor unloaded, saving on electrical usage while decreasing wear and tear to the compressor.

The enclosure utilizes a quick lock mechanism creating ease of access to the unit's critical components without the use of tools. Scroll Enclosure Air Compressor runs quiet; making it suitable to operate in any office or environment.

Enclosed Oil Free Scroll Product Data

Horsepower	2	3	5	7.5	10	15	22	30	44
Motor Output - Kilowatts	1.5	2.2	3.7	5.5	7.5	11	16.5	22	33
Compressor CFM@ 100 Psi	5.6	8.3	13.8	20.8	29.6	42.2	63.3	67.5	126.7
Compressor CFM@ 145 Psi		6.95		16.3	23.9	33.2		66.4	99.6
Simplex (Single Air Pump)	✓	✓	✓	✓	✓				
Multiplex (Up to 6 Air Pumps)						✓	✓	✓	✓
Rated Pressure	120	120-145	120	120-145	120-145	120-145	120-145	120-145	120-145

CFM is measured at Discharge (Air Out) - This is your flow after compression - ICFM is measured at Inlet (Air In) - This is your flow prior to compression - Values for ICFM will appear up to 5 points higher but not reflect systems actual finished values

Configurations



5HP Enclosed Scroll



7.5-10HP Enclosed Scroll



30HP Enclosed Scroll

Open Scroll

2HP - 20HP Air Compressor System



Operating without the application of oil during the compression process, Amico's Scroll Compressors will deliver high quality, oil-less compressed air at your facility demands. By utilizing Amico's Scroll Compressors, end users can rest assured that the system will run quietly with little vibration, low starting torque and low maintenance.

Our Scroll Compressor Systems ensure pollutants and environmental contaminants are removed from the compressed air stream at all times, resulting in further savings for our customers on operating and maintenance costs.

Open Oil Free Scroll Systems Product Data

Horsepower	2	3	5	7.5	10	15	20
Compressor CFM@ 120 Psi	5.6	8.5	14.1	24	32	48	64
Compressor CFM@ 145 Psi		7.06		15.5	24	31	48
Rated Pressure	120	120-145	120	120-145	120-145	120-145	120-145
Compressor RPM ¹	2250	3250/2870	2200	3180/2650	3700/3100	3180/2650	3700/3100

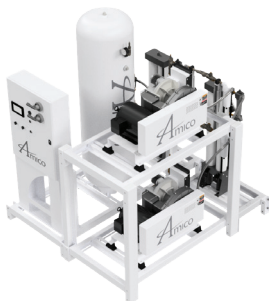
CFM is measured at Discharge (Air Out) - This is your flow after compression - ICFM is measured at Inlet (Air In) - This is your flow prior to compression - Values for ICFM will appear up to 5 points higher but not reflect systems actual finished values

¹RPM changes based on Pressure setting, higher pressures result in lower RPM

Configurations



Simplex Tank Mount



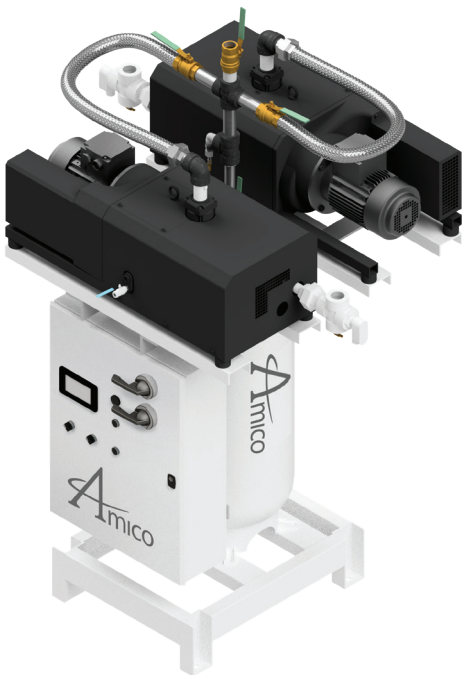
Duplex Vertical Skid Stack Mount



Duplex Vertical Space Saver

Contact-Less Claw

2HP - 15HP Vacuum Pump



Amico’s Contact-less Claw Vacuum Systems are refined and economical in design. Utilizing the most advanced technology of an oil-less, high efficiency, frictionless claw mechanism, end users are provided with the most energy savings and high performance system possible.

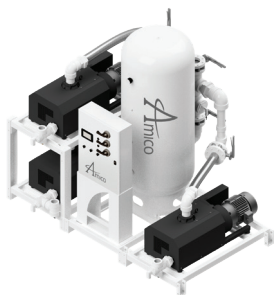
Operating friction-free with no lubrication necessary for proper functioning, selecting Amico guarantees cost effectiveness. Capable of producing the most CFM per HP of any vacuum technology, our contact-less claw is capable of running reliably for a lengthy duration without the necessity of frequent maintenance.

Contact-less Claw Systems Product Data (MM Series)

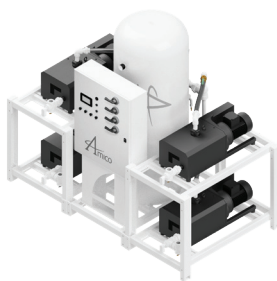
Horsepower	2	3	4	5	6.4	7.5	9	10	15
SCFM @ 19" Hg	16	21	29	38	52	65	77	87	129
Nominal Flow	44	57	79	103	135	165	200	250	325
Pump RPM	1750	1760	3450	3450	3500	3500	3490	3535	3550

*At 50Hz the Horsepower and Pump RPM will be lower

Configurations



Triplex Modular Stack Mount



Quadruplex Modular Stack Mount

Dry Rotary Vane

5HP - 24HP Vacuum Pump



The Oil-less Rotary Vane Vacuum pumps are designed to meet the demanding requirements of various facilities. Thanks to the implementation of a very simple yet highly reliable design, Amico's oil-less rotary vane pumps provide excellent vacuum performance.

Constructed with self-lubricating, carbon/graphite vanes and operating 100% oil-free, we guarantee our clients the following benefits: no oil leakages, less frequent vane change out and low operation and maintenance cost.

Dry Vane Systems Product Data

Horsepower	0.5	0.75	1.2	1.7	3.2	4.6	4.6	5.6	5.6	7.5	10	15
SCFM @ 19" Hg	2.4	3.4	5.3	7.4	13.5	14.1	14.1	21	21	41	55.7	80
Nominal Flow	7	11.2	17.5	8	44	17	17	66	66	128	174	270
Pump RPM	1800	1800	1800	1800	1800	1800	1800	1800	1800	1740	1175	1179

*At 50Hz the Horsepower and Pump RPM will be lower

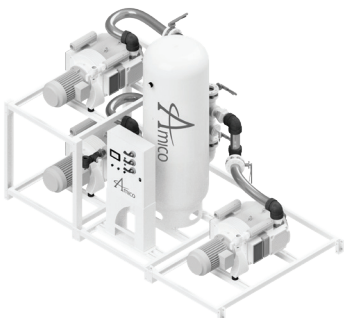
Configurations



Duplex Vertical Stack Mount



Triplex Modular Stack Mount



Triplex Modular Stack Mount

Lubricated Rotary Vane

1HP - 50HP Vacuum Pump



The Amico Lubricated Rotary Vane Vacuum pumps are single-staged, air-cooled and direct driven. Proven to be one of the most reliable pumps currently available in the industry; the compact, simple design offers low maintenance as well as quiet and long lasting operation to end users.

Constructed with direct driven vacuum pumps, this assembly eliminates potential wearing or loosening of gears. Additionally, the dynamically balanced multi-vane design yields maximum heat dissipation for the vacuum system.

Lubricated Vane Systems Product Data

Horsepower	1	1.5	3	5	5.2	7.5	10 ¹	15	15	20	25	40	50
SCFM @ 19" Hg	4.8	7	17	26	37	52	65/77	111	111	137	168	237	378
Nominal Flow	14.1	18	45	71	103	130	170/196	305	305	375	455	670	1030
Pump RPM	1740	1740	1750	1745	1755	1760	1760	1180	1180	1180	1180	1190	1190

*At 50Hz the Horsepower and Pump RPM will be lower

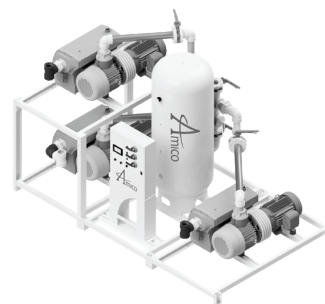
Configurations



Duplex Horizontal Tank Mount



Duplex Vertical Tank Mount



Triplex Modular Stack Mount

Desiccant Air Treatment

Air Dryer System



Amico's Air Dryer ensures the delivery of clean, dry air at all times, irrespective of environments. With the implementation of an air-cooled aftercooler, Amico's air dryer is certain to provide effective dryer operation and guarantee dew point performance.

In addition, the coalescing filters within the dryer remove liquids and particles from the air stream, enhancing and protecting the delivery of air.

This air dryer is compatible with all of our scroll compressors and reciprocating compressors.

Heatless Desiccant Air Dryers Product Data

Model	PD352	PD237	PD238	PD239	PD240	PD241	PD242	PD243	PD244	PD245	PD246	PD247
Discharge NPT	½"	½"	½"	½"	½"	1"	1"	1"	1½"	1½"	2"	2"
Flow SCFM	5	10	20	30	45	60	100	125	200	250	300	375

Modular Heatless Desiccant Air Dryers Product Data

Model	NDL-010	NDL-020	NDL-030	NDL-040	NDL-050	NDL-060	NDL-070	NDL-080	NDL-090	NDL-100	NDL-110	NDL-120	NDL-130
Discharge NPT	¾"	¾"	¾"	¾"	½"	1"	1"	1"	1"	1"	1"	1"	1"
Flow SCFM	5.1	8.5	17	26	41	58	70	90	112	150	180	224	301

Refrigerated Dryer Packages

Air Dryer System



The Amico Non-cycling Refrigerated Air Dryers are suitable for a wide range of applications. Easy to maintain and install, the Amico Refrigerated Air Dryers are simple, reliable and productive.

Available from 5 to 1200 SCFM, there is an Amico Dryer for your compressed air product.

Refrigerated Air Dryers Product Data

Model	HPR5-10	HPR15	HPR25	HPR35	HPR50	HPRN75	HPRN100	HPRN125	HPRN150	HPRN200	HPRN250	HPRN300
Discharge NPT	3/8"	3/8"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1"	2"	2"
Flow SCFM	5	10	20	30	45	60	100	125	200	250	300	375

Larger sizes available upon request up to 1200 SCFM

Stand Alone Tanks



The Air Receiver is utilized as a storage medium and control system to ensure a steady flow of air. The Air Receiver tank also eliminates pulsation from the discharge line, reduces energy costs associated with excessive starting of the motor and assists in separating moisture, oil and particulates from the air.

Amico's Air Receivers are ASME certified and are rated for low and high design pressures up to 300 psi. The inside of the receiver consists of a two-part epoxy coating which provides rust protection equal to or better than that achieved by galvanizing.

Our standard Air Receiver tanks can be mounted horizontally or vertically. Customized configurations are also available to suit your facility's needs.

Air Compressor & Vacuum System Parts

Exceptional Performance. Unmatched Reliability.



WHY CHOOSE OUR PRODUCTS?

Durability:	Manufactured with high-grade materials to ensure long-lasting performance.
Efficiency:	Optimized design to reduce energy consumption and save costs.
Wide Range:	An extensive catalog catering to diverse industrial needs.
Technical Support:	Dedicated professionals to assist with selection, installation, and maintenance.

PRODUCT HIGHLIGHTS

Replacement Filters:	Ensure clean and contaminant-free air flow.
Pressure Regulators:	Accurate pressure control for optimal system performance.
Lubricants:	Specifically formulated for extended equipment life and efficiency.
Cooling Systems:	Maintain optimal temperature for consistent operation.
Seals & Gaskets:	High-quality parts to prevent leaks and maintain system integrity.





Amico Industrial Inc. | 600 Prime Place, Hauppauge, New York 11788, USA
Toll Free Tel: 1.877.462.6426 | Toll Free Fax: 1.866.440.4986 | Tel: 631.225.5695 | Fax: 631.225.5694
Email: info@amico.com | www.amico.com

Represented By: