



INDUSTRIAL range



MICRO - PLUS

Oil-injected belt-driven rotary screw compressors



Fixed and Variable Speed
2.2-75 kW

Company Profile

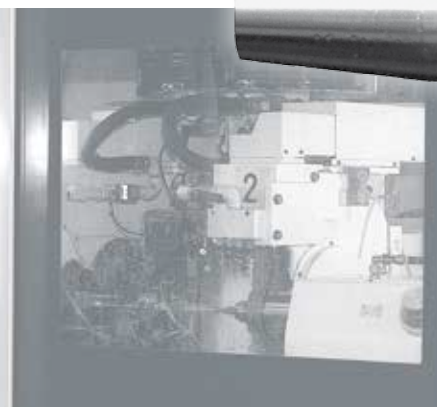
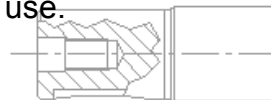
FINI boasts more than 60 years of experience and it is one of the most important global organizations in the professional and industrial compressed air sector. Synonymous with quality and professionalism, the Fini brand not only has one of the most complete ranges in the alternative piston compressors field but above all it is one of the global points of reference in the industrial compressed air realm.



FINI industrial compressors, entirely MADE IN ITALY, are designed for heavy duty use and they are distinguished by their specific energy savings solutions.

► Our compressors are the answer to the needs of large-scale industry and small and mid-sized companies, where compressed air is one of the main sources of energy. They are designed for continuous duty in very hard operating conditions, with special attention to energy consumption, low operating and maintenance costs, simple installation and easy use.

► The entire production process, from project to packa-ging, is carried out at our facilities in Italy. Our highly skilled staff is dedicated to supporting the manufacturing and assembling activities. The continuous control and monitoring of each manufacturing process grants the utmost precision at every step, in order to achieve the highest quality, supreme product reliability and flexibility of use.



Innovation, Quality, Know-how

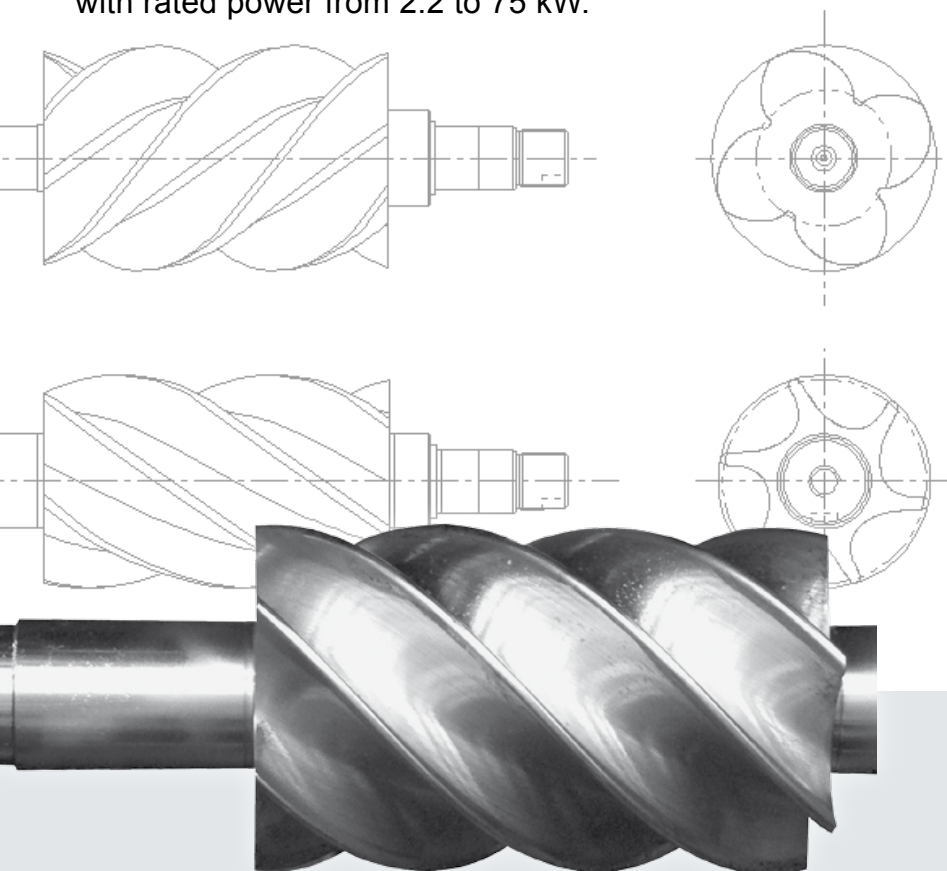
Our construction philosophy is based on the selection and simple assembly of the most reliable and efficient technical solutions.

The constant pursuit of excellent quality, innovative spirit and particular attention to customer needs are the values that have always characterized FINI and its products.



► Continuous investment in technical and product innovation has allowed FINI to improve their offer in the industrial sector with the **new industrial range MICRO and PLUS: oil-injected belt-driven rotary screw compressors**, with rated power from 2.2 to 75 kW.

► Assembly and testing performed on automated lines, robotic systems of the latest generation, and computer tools for design and control are the main investments that the Company implemented to create products that meet the market's quality standards. Since 1996, the Company has certified its quality system in compliance with UNI EN ISO 9001.



Our TARGET: efficiency, energy saving, modularity

The new belt-driven oil injected Micro and Plus screw compressors have been designed to minimize energy costs, without sacrificing performances.

The modularity and flexibility of these products provide multiple solutions suitable for different user's requirements: with or without tank, with or without dryer, in fixed or variable speed version.



Why choose a Fini SCREW compressor?

- ▶ To reduce operating costs.
- ▶ To provide the most modern, compact, robust, reliable and silent rotary screw compressor.
- ▶ To supply compressed air in continuous operating mode.
- ▶ To increase efficiency in all areas of the compressors operation.
- ▶ To save energy.



High energy saving

The choice of high quality components, combined with our high performance air-ends and **Premium Efficiency IE3 motors**, ensure reduced power consumption, substantial energy savings and exceptional efficiency performance. Furthermore, the IE3 motors reduce CO₂ emissions: an important contribution to protecting the environment.

Plug&Play

Micro and Plus compressors are 100% factory tested, to be supplied ready for installation and immediate use, saving time and installation costs.



Low noise

Micro and Plus compressors are very quiet: the use of very efficient soundproof materials makes them suitable for installation in any working place.

High reliability

Quality control, components from primary global manufacturers guarantee long operating life and maintenance intervals.

High productivity

High air output performances is one of the key features of FINI project engineering. Micro and Plus series follows this tradition.

Compact design

The very compact design enables these compressors to be installed close to the working station.

Our air-ends, inverters and controllers are covered by 2 YEARS WARRANTY



40 dB(A)



62 dB(A)



only 58 dB(A)

COMPETITORS



66-77 dB(A)



100 dB(A)



120 dB(A)

Designed for long service life



1 Innovative cooling system

The cooling system is among the most innovative in the field. A thermostatic controlled centrifugal fan keeps the temperature of the entire compressor to specific tolerance and at a constant level, avoiding temperature peaks that can be harmful for the correct operation of the compressor. The action of the fan, combined with the efficiency of the oversized oil cooler, guarantees the operation of the compressor in different climatic conditions. The "no-noise" fans, the specially studied labyrinth ventilation and the use of high quality sound-proof materials provide the sound level to be among the lowest in the range.

2 Efficient transmission

The POLY-V belt drive ensures significantly lower power losses and three times longer the service life compared to standard range "V" type belts fitted to other compressors on the market. Belt tensioning is carried out through a sliding belt tensioner.

3 High resistant hoses

All air-oil circuit hoses are made of rubber covered with a metal mesh resistant to high temperatures.

4 Intake valve

Entirely designed and manufactured in our facilities, adjusts compressor's operation to guarantee minimum pressure during idle running and maximum savings upon start-up.

5 Correct working pressure

The transducer guarantees an accurate and stable operation during the time. It allows direct modification of the working pressure from the electronic controller without any mechanical intervention.



Noise and temperature under control



►10 High performance SCREW AIR-ENDS

Entirely designed, produced and tested in our Italian facilities: the special design of the screw profile assures high performances.

►6 SPIN-ON filters

Easy to replace, long interval life, low cost of maintenance.

Air filters

Oversized and with double filtering degree allow their use even in heavy duty environments.

►7 Minimum pressure valve

Built in house with oxide free material, fully machined. A sharp technical choice to grant maximum reliability in any operating conditions.

►8 Clean conditions in any ambient

A cabinet prefiltering panel (standard from 18.5 kW) prevents the dust coming inside increasing air filters and belt life by 15%.

►9 Simple maintenance

The internal mechanical parts are easy to access, for fast and simple routine maintenance.

Advanced electronic controllers

ETMII

Installed on models from 4 to 15 kW.



- ▶ Four maintenance timers (air cartridge, oil, oil filter, oil separator).
- ▶ Automatic re-start after power failure.
- ▶ Cooling fan temperature settable.
- ▶ Compressor remote start settable.
- ▶ Integrated sequence phase relay.

Controller with multi-function backlight display, the menu is alphanumeric type. In the main screen are displayed:

- Working pressure (offload/load);
- Oil temperature;
- Total working hours;
- On-load working hours;
- Compressor status led (stand-by, offload, load);
- Hours remaining before maintenance.

ETIV

Installed on models from 18.5 to 75 kW.



- ▶ **Remote monitoring (on demand)**
GSM/GPRS/Ethernet/WiFi module (for on-line compressor status, remote assistance connection with PC, Smartphone and Tablet, connection between neighbour compressors).

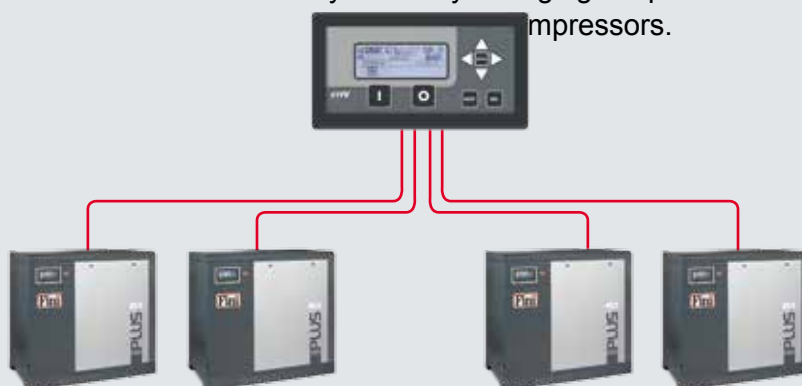


- ▶ **Master/slave function**

It is possible to connect up to 4 compressors for managing distribution of the workload in such a way to equalize the hours dynamically changing set pressures compressors.

Controller with multi-function backlight LCD graphic display, the menu is drop down type. In the main screen are displayed:

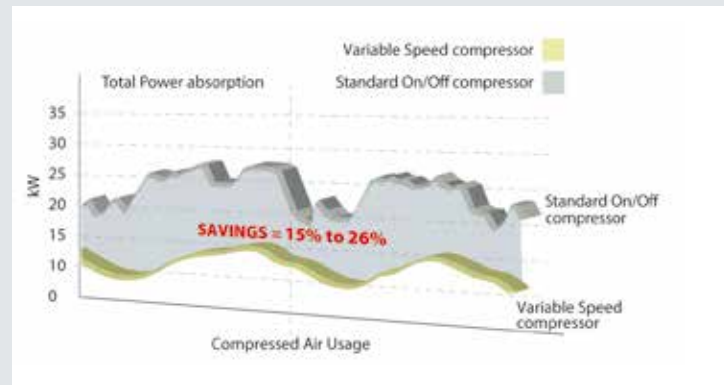
- Working pressure (offload/load);
- Oil temperature;
- Compressor status (stand-by, offload, load);
- Fan status (off/on);
- Date and time;
- Hours remaining before maintenance;
- Inverter use percentage.



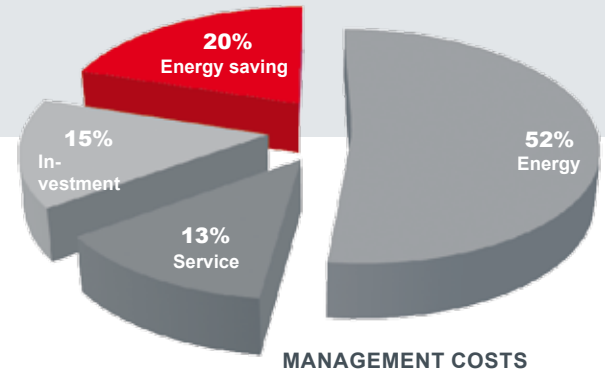
Variable speed drive

Nowadays, the reduction of the energy consumption has become a global challenge in terms of environmental impact.

Reducing power consumption and protecting our valuable energy resources represents one of the greatest global environmental challenges of our times. The **Plus series**, with power at **22, 37, 55 and 75 kW**, is also available in variable speed drive version, providing high performance combined with energy saving solutions.

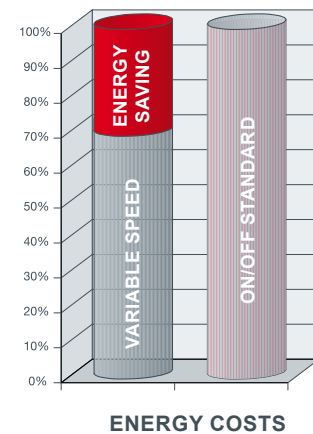


The graph below shows the significant energy saving using variable speed compressors in a typical installation.



The application of a frequency inverter, able to dynamically adjust the voltage/frequency/current values of the motor, allows the elimination of unnecessary power losses by constantly adjusting the generation of compressed air to match the real air demand, offering many proven advantages to the user:

- ▶ Continuous regulation of the motor speed and compressed air generation to precisely match the air demand.
- ▶ The air output is constantly adjusted between 40% and 100% of the compressor full capacity.
- ▶ Constant and accurate air pressure control selectable at any value between 6 and 10 bar (13 bar on demand).
- ▶ Energy consumption is proportional to the delivered compressed air.



MICRO 2.2-5.5 kW: simple, silent and economical.



The MICRO range is available in 2 versions:

- **MICRO "SE" 2.2-4 kW:** electromechanical ON/OFF switch, with motor protection. The pressure gauge and hour counter are included in the control panel. Easy to use, no idle running means considerable energy saving.
- **MICRO 4-5.5 kW:** star-delta starter, including the ETMII electronic controller, which controls the complete operation of the machine.

- ▶ **Extremely silent.**
- ▶ **Very compact design.**
- ▶ **NEW anti-rotation system.**
- ▶ **Low maintenance costs.**
- ▶ **Ease of installation and use.**
- ▶ **Plug and play.**

Micro SE 2.2-3.0-4.0

Micro 4.0-5.5

2.2-4 kW

4-5.5 kW

Available versions:

- floor mounted compressor
- compressor + air receiver
- compressor + air receiver + air dryer (air receiver: 200 liters)

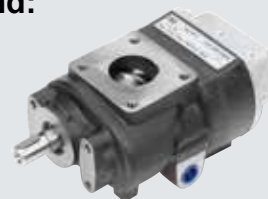
Available versions:

- floor mounted compressor
- compressor + air receiver
- compressor + air receiver + air dryer (air receiver: 200, 270 or 500 liters)

Air-end:
FS14



Air-end:
FS14



Controller:

—

Controller:

ETMII

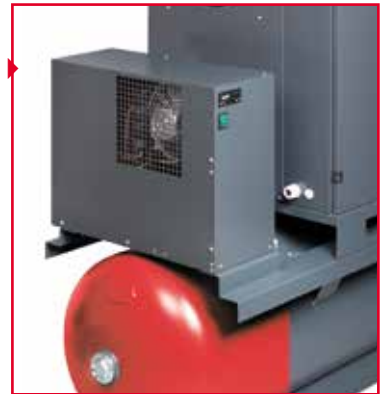


Fixed speed

Fixed speed

Options: the modular choice for correct solution.

Dryer module
The models with tank are also available with dryer ("ES" versions): immediately ready to operate without any installation effort.



Ball valve (1)

Tank-mounted models with ball valve for smooth condensate drain.



Easy transportability (2)

The machine is particularly easy to lift with a fork truck or hand truck thanks to a steel bar secured between the feet at the base of the air receiver (both at the front and to the side).

Air filters



The proper choice of the filters avoids problems to the systems caused by the presence of oil or impurities in the air. Our filters ensure clean compressed air, free of oil and impurities, for many different applications, also the demanding ones. The air filters have 4 ranges of efficiencies, removing down to 0.01 micron at up to 235 psi (16 barg) - 1/4" to 3" pipe sizes.

- QM** Prefilter
(filter/element air flow direction is outside to inside)
- PM** Oil separator filter
(filter/element air flow direction is inside to outside)
- HM** Fine oil separator filter
(filter/element air flow direction is inside to outside)
- CM** Active carbon filter
(filter/element air flow direction is outside to inside)

FILTER	TYPE	FILTERING DEGREE	OIL RESIDUAL	OIL	MAX TEMP. °C
QM	Prefilter	5 micron	–	–	80
PM	Oil separator filter	1 micron	0,5 mg/m ³	2	80
HM	Fine oil separator filter	0,01 micron	0,01 mg/m ³	1	80
CM	Active carbon filter	–	0,003 mg/m ³	< 1	25

PLUS 18.5-37 kW: new design, high performances.

The new PLUS compressors from 18.5 to 75 kW are entirely designed and manufactured so that they function as an integral whole with the maximum efficiency.

All most important components of the compressor are machined in house with highly innovative process controlled machines: this allows full control on the production cycle and over the total quality of the complete compressor.

The cooling air flow, channeled by the thermostatic controlled centrifugal fan, cools down an oversized combined oil/air heat exchanger: this permits the compressor to run in severe temperature conditions.



◀ **Dryer module**
Plus 18.5, 22, 31 and 38 models with dryer module (ES) provide clean, dry air that improves the system's reliability, avoids costly downtime and production delays, and safeguards the quality of the final product.



Plus 18.5-22

18.5-22 kW

Available versions:

- base compressor
- compressor + air dryer

Air-end:
FS50TF



Controller:
ETIV



Fixed or Variable Speed (Plus 22 VS)

Plus 31-38

30-37 kW

Available versions:

- base compressor
- compressor + air dryer

Air-end:
FS100
FS130



Controller:
ETIV



Fixed or Variable Speed (Plus 38 VS)

PLUS 45-75 kW: a quality choice.

- ▶ Extremely silent.
- ▶ High performance screw air-end.
- ▶ Ease of access for routine maintenance operations.
- ▶ Low maintenance costs.
- ▶ Ease of installation and use.
- ▶ Prefiltering panel.



Plus 45-55

45-55 kW

Available versions:
- base compressor

Air-end:
FS130



Controller:
ETIV



Fixed speed



Plus 56-75

55-75 kW

Available versions:
- base compressor

Air-end:
FS250



Controller:
ETIV



Fixed or Variable Speed (Plus 56 and Plus 75 VS)

HRS Heat Recovery System

HRS is a system for the recovery of the heat generated by the screw compressors, for the production of hot water.

Most of the energy used to produce compressed air is actually converted into heat: up to 90% of this energy is reusable!

About 75% of the energy used is found in the lubrication and cooling circuit and can be used as a heat source, the remaining 15% is contained in the compressed air. It is therefore easier to produce the compressed air in a reliable way, as it is to recover the thermal energy.



▶ Plate oil-water heat exchanger

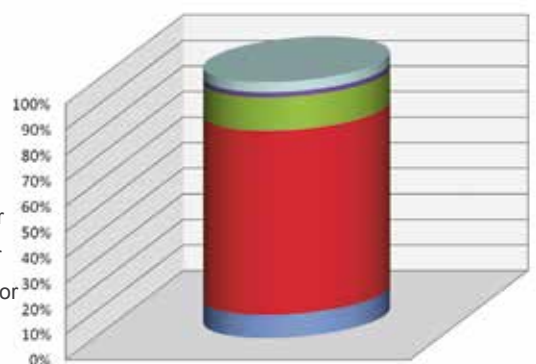
▶ Water pump

The HRS system can be used on all oil-injected screw compressors.



HEAT OF COMPRESSION

- 4% Heat remaining in the air
- 2% Losses by radiation
- 13% Heat removed from the air cooler
- 72% Heat removed from the oil cooler
- 9% Heat radiated by the electric motor



Save money in your company!



How great the recovery actually is, depends on the size of the compressors and the type of replaced energy (electricity, gas, heating oil), but the investment interest becomes sensitive for the compressors starting from 11 kW installed power.

Given the current energy costs, the depreciation period of heat recovery systems fluctuates between 6 months and 2 years (with reference to a plate heat exchanger for heating systems).

Heat recovery is a real opportunity to increase the effectiveness of a compressed air system, the impact on energy costs allows for three times the amount of savings to that of a variable speed compressor, and twenty times to that of an IE3 or a permanent magnet motor.



Optimized control in the compressor room

Many compressed air stations include several compressors: EasyX4 is a weekly programmable sequencer, capable of configuring up to 4 compressors, based on the amount of air actually required.

EasyX4 is the easiest solution for compressor sequencing and supervision over complex systems of compressors, up to 4 units: fixed or variable speed.

The programming is intuitive. It is sufficient to set the 4 pressure ranges (if 4 is the number of connected units) and later define at what time the entire compressor station shall start and stop, assigning at which pressure each compressor must work.



EasyX4 sequencer
code #405531604



Three programming levels:

- ▶ **MANUAL:** compressors are fixed to a given operational pressure range;
- ▶ **AUTOMATIC:** with pressure range swapping after a programmable time interval;
- ▶ **GROUP PROGRAMMING:** where compressors can be switched within groups.

High quality air to safeguard the final product

The compression process increases the concentration of solid particles suspended in the atmosphere, generated by natural phenomena but also by polluting agents or industrial processes. Water, oil, impurities and odours cause alterations in the quality of the air produced, corrosion of the pipes and damage to the pneumatic equipment, thus negatively affecting performance. The quality of compressed air is therefore fundamental for the reliability of the machinery and quality of the final product.



Fini has developed **refrigeration dryers integrated in the compressor**, with centralized condensate drain, in order to:

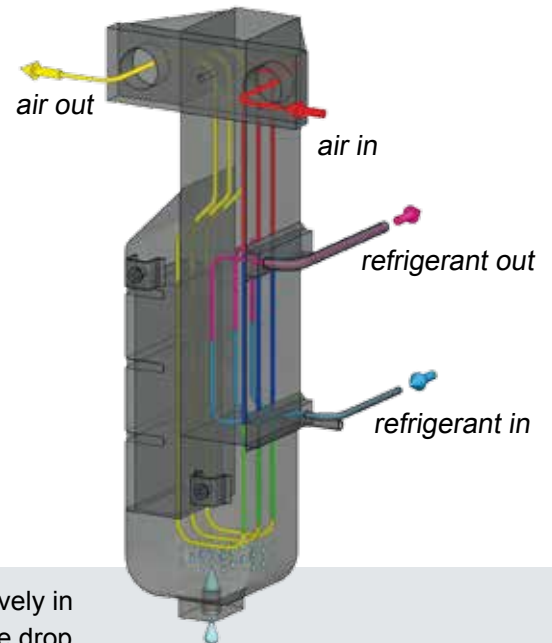
- ▶ Obtain clean air without condensate and impurities;
- ▶ Reduce maintenance costs;
- ▶ Protect the equipment;
- ▶ Safeguard the environment and the quality of the final product;
- ▶ Comply with safety standards.



Efficient, functional, ecologic.

The refrigeration air dryer ensures the production of qualitative, clean and dry air, essential to preserve the systems and the quality of the finished product. It achieves excellent performance even in unfavorable environmental conditions, and high inlet temperatures.

HEAT EXCHANGER



The highly efficient and ultra compact heat exchanger is able to operate effectively in ambient temperatures up to 45°C, ensuring a reduced compressed air pressure drop.

This compact aluminium module contains the various stages of the compressed air treatment.

Air-air exchanger: a pre-cooling of the intake air takes place in this section.

This allows to reduce the energy consumption of the refrigeration circuit and reduces the possibility of condensation on the outer surface of the pipe from the dryer.

Air-gas exchanger: the pre-cooled air in the air/air heat exchanger comes in the evaporator and cools to the dew point.

Demister: the air cooled in the evaporator passes through a demister separator that allows the drainage of the condensate in a large collection chamber. The geometry of the module and the demister allows to keep the load losses low.



Code	ℓ	Product	Compressor		AIR			MAX		dB(A)	G	Weight		L x W x H (cm)
			kW	HP	l/min.	m³/h	c.f.m.	bar	psi			kg	Lbs	
FLOOR MOUNTED														
	–	MICRO SE 2.2-10 M	2.2	3	240	14.4	8.5	10	145	58	1/2"	87	192	58 x 48 x 76
	–	MICRO SE 2.2-08	2.2	3	325	19.5	11.5	8	116	58	1/2"	87	192	58 x 48 x 76
	–	MICRO SE 2.2-10	2.2	3	290	17.4	10.2	10	145	58	1/2"	87	192	58 x 48 x 76
	–	MICRO SE 3.0-08	3	4	430	25.8	15.2	8	116	59	1/2"	92	203	58 x 48 x 76
	–	MICRO SE 3.0-10	3	4	385	23.1	13.6	10	145	59	1/2"	92	203	58 x 48 x 76
	–	MICRO SE 4.0-08	4	5.5	580	34.8	20.5	8	116	60	1/2"	93	205	58 x 48 x 76
	–	MICRO SE 4.0-10	4	5.5	485	29.1	17.1	10	145	60	1/2"	93	205	58 x 48 x 76
100103001	–	MICRO 4.0-08	4	5.5	580	34.8	20.5	8	116	60	1/2"	94	208	58 x 48 x 76
100103002	–	MICRO 4.0-10	4	5.5	485	29.1	17.1	10	145	60	1/2"	94	208	58 x 48 x 76
100103003	–	MICRO 4.0-13	4	5.5	330	19.8	11.6	13	188	60	1/2"	94	208	58 x 48 x 76
100103004	–	MICRO 5.5-08	5.5	7.5	720	43.2	25.4	8	116	64	1/2"	125	276	60 x 52 x 78
100103005	–	MICRO 5.5-10	5.5	7.5	650	39	22.9	10	145	64	1/2"	125	276	60 x 52 x 78
100103006	–	MICRO 5.5-13	5.5	7.5	485	29.1	17.1	13	188	64	1/2"	125	276	60 x 52 x 78
WITH TANK														
	200	MICRO SE 2.2-10 M - 200	2.2	3	240	14.4	8.5	10	145	58	1/2"	144	318	144 x 51 x 128
	200	MICRO SE 2.2-08 - 200	2.2	3	325	19.5	11.5	8	116	58	1/2"	144	318	144 x 51 x 128
	200	MICRO SE 2.2-10 - 200	2.2	3	290	17.4	10.2	10	145	58	1/2"	144	318	144 x 51 x 128
	200	MICRO SE 3.0-08 - 200	3	4	430	25.8	15.2	8	116	59	1/2"	149	329	144 x 51 x 128
	200	MICRO SE 3.0-10 - 200	3	4	385	23.1	13.6	10	145	59	1/2"	149	329	144 x 51 x 128
	200	MICRO SE 4.0-08 - 200	4	5.5	580	34.8	20.5	8	116	60	1/2"	150	331	144 x 51 x 128
	200	MICRO SE 4.0-10 - 200	4	5.5	485	29.1	17.1	10	145	60	1/2"	150	331	144 x 51 x 128
100103007	200	MICRO 4.0-08 - 200	4	5.5	580	34.8	20.5	8	116	60	1/2"	151	333	144 x 51 x 128
100103008	200	MICRO 4.0-10 - 200	4	5.5	485	29.1	17.1	10	145	60	1/2"	151	333	144 x 51 x 128
100103009	270	MICRO 5.5-08 - 270	5.5	7.5	720	43.2	25.4	8	116	64	1/2"	185	408	156 x 57 x 139
100103010	270	MICRO 5.5-10 - 270	5.5	7.5	650	39	22.9	10	145	64	1/2"	185	408	156 x 57 x 139
100103011	500	MICRO 5.5-08 - 500	5.5	7.5	720	43.2	25.4	8	116	64	1/2"	247	545	198 x 60 x 148
100103012	500	MICRO 5.5-10 - 500	5.5	7.5	650	39	22.9	10	145	64	1/2"	247	545	198 x 60 x 148
WITH TANK AND DRYER														
	200	MICRO SE 2.2-08 - 200 ES	2.2	3	325	19.5	11.5	8	116	58	1/2"	174	384	144 x 51 x 128
	200	MICRO SE 2.2-10 - 200 ES	2.2	3	290	17.4	10.2	10	145	58	1/2"	174	384	144 x 51 x 128
	200	MICRO SE 3.0-08 - 200 ES	3	4	430	25.8	15.2	8	116	59	1/2"	179	395	144 x 51 x 128
	200	MICRO SE 3.0-10 - 200 ES	3	4	385	23.1	13.6	10	145	59	1/2"	179	395	144 x 51 x 128
	200	MICRO SE 4.0-08 - 200 ES	4	5.5	580	34.8	20.5	8	116	60	1/2"	180	397	144 x 51 x 128
	200	MICRO SE 4.0-10 - 200 ES	4	5.5	485	29.1	17.1	10	145	60	1/2"	180	397	144 x 51 x 128
100103013	200	MICRO 4.0-08 - 200 ES	4	5.5	580	34.8	20.5	8	116	60	1/2"	181	399	144 x 51 x 128
100103014	200	MICRO 4.0-10 - 200 ES	4	5.5	485	29.1	17.1	10	145	60	1/2"	181	399	144 x 51 x 128
100103015	270	MICRO 5.5-08 - 270 ES	5.5	7.5	720	43.2	25.4	8	116	64	1/2"	215	474	156 x 57 x 139
100103016	270	MICRO 5.5-10 - 270 ES	5.5	7.5	650	39	22.9	10	145	64	1/2"	215	474	156 x 57 x 139
100103017	500	MICRO 5.5-08 - 500 ES	5.5	7.5	720	43.2	25.4	8	116	64	1/2"	277	611	198 x 60 x 148
100103018	500	MICRO 5.5-10 - 500 ES	5.5	7.5	650	39	22.9	10	145	64	1/2"	277	611	198 x 60 x 148

Free air delivery as per ISO 1217 Annex C, at 7.5 - 9.5 - 12.5 bar at the compressor outlet. ± 3 dB (A) as PNEUROP/CAGI PN-NTC 2.3.

Fini also recommends:

FINI Dryers



NPS dryers are designed for drying and purification of compressed air for breathing air applications. Type BI for “Breathing air Industrial” and model BM for “Breathing air Medical”. With both systems, apart from the drying process to a pressure dew point of $-40\text{ }^{\circ}\text{C}$, the components CO , CO_2 , hydrocarbons, nitrogen oxides and SO_2 are eliminated.

FINI Nitrogen generators










The NGN nitrogen generators represent an economical way for the production of Nitrogen on site. Models sized for a wide range of flow and purity of the product, the NGN series stands out for efficiency and exceptional versatility. Ideal for: food packaging, plastic moulding, welding metal treatment, pharmaceutical/chemical industry, blowing tyres.

Original Spare Parts



The “FSN” brand states the originality of the components, which are specifically manufactured and tested to be used on our compressors. The use of original, certified spare parts guarantees the efficiency and reliability of the compressor, extending its lifespan and lowers management costs.










Code	Product			 AIR **			 MAX						
		kW	HP	l/min.	m ³ /h	c.f.m.	bar	psi	dB(A)	BSP	kg	Lbs	L x W x H (cm)
FLOOR MOUNTED													
100103019	PLUS 18.5-08	18.5	25	2800	168	99	8	116	66	3/4"	350	774	135 x 80 x 113
100103020	PLUS 18.5-10	18.5	25	2500	150	88	10	145	66	3/4"	350	774	135 x 80 x 113
100103021	PLUS 18.5-13	18.5	25	2150	129	76	13	188	66	3/4"	350	774	135 x 80 x 113
100103022	PLUS 22-08	22	30	3350	201	118	8	116	68	3/4"	380	840	135 x 80 x 113
100103023	PLUS 22-10	22	30	3000	180	106	10	145	68	3/4"	380	840	135 x 80 x 113
100103024	PLUS 22-13	22	30	2400	144	85	13	188	68	3/4"	380	840	135 x 80 x 113
WITH DRYER													
100103025	PLUS 18.5-08 ES	18.5	25	2800	168	99	8	116	66	3/4"	400	883	169 x 80 x 113
100103026	PLUS 18.5-10 ES	18.5	25	2500	150	88	10	145	66	3/4"	400	883	169 x 80 x 113
100103027	PLUS 18.5-13 ES	18.5	25	2150	129	76	13	188	66	3/4"	400	883	169 x 80 x 113
100103028	PLUS 22-08 ES	22	30	3350	201	118	8	116	68	3/4"	430	949	169 x 80 x 113
100103029	PLUS 22-10 ES	22	30	3000	180	106	10	145	68	3/4"	430	949	169 x 80 x 113
100103030	PLUS 22-13 ES	22	30	2400	144	85	13	188	68	3/4"	430	949	169 x 80 x 113
VARIABLE SPEED													
100103031	PLUS 22-08 VS	22	30	3350 / 1350	201 / 81	118 / 48	8	116	68	3/4"	390	861	135 x 80 x 113
100103032	PLUS 22-10 VS	22	30	3050 / 1220	183 / 73.2	108 / 43	10	145	68	3/4"	390	861	135 x 80 x 113
VARIABLE SPEED WITH DRYER													
100103033	PLUS 22-08 ES VS	22	30	3350 / 1350	201 / 81	118 / 48	8	116	68	3/4"	440	971	169 x 80 x 113
100103034	PLUS 22-10 ES VS	22	30	3050 / 1220	183 / 73.2	108 / 43	10	145	68	3/4"	440	971	169 x 80 x 113

Free air delivery as per ISO 1217 Annex C, at 7.5 - 9.5 - 12.5 bar at the compressor outlet. ± 3 dB (A) as PNEUROP/CAGI PN-NTC 2.3.

** Variable Speed models: max./min. values.



Code	Product			 AIR **			 MAX						
		kW	HP	l/min.	m ³ /h	c.f.m.	bar	psi			kg	Lbs	
FLOOR MOUNTED													
100103035	PLUS 31-08	30	40	4700	282	165.9	8	116	70	1 -1/4"	630	1392	153 x 83 x 144
100103036	PLUS 31-10	30	40	4200	252	148.3	10	145	70	1 -1/4"	630	1392	153 x 83 x 144
100103037	PLUS 31-13	30	40	3400	204	120	13	188	70	1 -1/4"	630	1392	153 x 83 x 144
100103038	PLUS 38-08	37	50	6000	360	212	8	116	68	1 -1/4"	700	1547	153 x 83 x 144
100103039	PLUS 38-10	37	50	5300	318	187	10	145	68	1 -1/4"	700	1547	153 x 83 x 144
100103040	PLUS 38-13	37	50	4000	240	141	13	188	68	1 -1/4"	700	1547	153 x 83 x 144
100103041	PLUS 45-08	45	60	7200	432	254	7.5	109	72	1 -1/2"	910	2002	160 x 97 x 186
100103042	PLUS 45-10	45	60	6500	390	229	10	145	72	1 -1/2"	910	2002	160 x 97 x 186
100103043	PLUS 45-13	45	60	5100	306	180	13	188	72	1 -1/2"	910	2002	160 x 97 x 186
100103044	PLUS 55-08	55	75	8600	516	304	7.5	109	74	1 -1/2"	952	2094	160 x 97 x 186
100103045	PLUS 55-10	55	75	7800	468	275	10	145	74	1 -1/2"	952	2094	160 x 97 x 186
100103046	PLUS 55-13	55	75	6400	384	226	13	188	74	1 -1/2"	952	2094	160 x 97 x 186
100103047	PLUS 56-08	55	75	9300	558	328	7.5	109	70	2"	1650	3630	180 x 110 x 215
100103048	PLUS 56-10	55	75	8300	498	293	10	145	70	2"	1650	3630	180 x 110 x 215
100103049	PLUS 56-13	55	75	7000	420	247	13	188	70	2"	1650	3630	180 x 110 x 215
100103050	PLUS 75-08	75	100	12200	732	431	7.5	109	72	2"	1720	3784	180 x 110 x 215
100103051	PLUS 75-10	75	100	10500	630	371	10	145	72	2"	1720	3784	180 x 110 x 215
100103052	PLUS 75-13	75	100	8300	498	293	13	188	72	2"	1720	3784	180 x 110 x 215
WITH DRYER													
100103053	PLUS 31-08 ES	30	40	4700	282	165.9	8	116	70	1 -1/4"	710	1567	153 x 83 x 144
100103054	PLUS 31-10 ES	30	40	4200	252	148.3	10	145	70	1 -1/4"	710	1567	153 x 83 x 144
100103055	PLUS 31-13 ES	30	40	3400	204	120	13	188	70	1 -1/4"	710	1567	153 x 83 x 144
100103056	PLUS 38-08 ES	37	50	6000	360	212	8	116	68	1 -1/4"	780	1721	186 x 83 x 144
100103057	PLUS 38-10 ES	37	50	5300	318	187	10	145	68	1 -1/4"	780	1721	186 x 83 x 144
100103058	PLUS 38-13 ES	37	50	4000	240	141	13	188	68	1 -1/4"	780	1721	186 x 83 x 144
VARIABLE SPEED													
100103059	PLUS 38-08 VS	37	50	5900 / 2350	354 / 141	208 / 83	8	116	72	1 -1/4"	725	1600	153 x 83 x 144
100103060	PLUS 38-10 VS	37	50	5200 / 2050	312 / 123	184 / 72	10	145	72	1 -1/4"	725	1600	153 x 83 x 144
100103061	PLUS 56-08 VS	55	75	9300 / 3700	558 / 222	328 / 131	7.5	109	70	2"	1686	3721	180 x 110 x 215
100103062	PLUS 56-10 VS	55	75	8300 / 3300	498 / 198	293 / 116	10	145	70	2"	1686	3721	180 x 110 x 215
100103063	PLUS 75-08 VS	75	100	12200 / 4800	732 / 288	431 / 169	7.5	109	72	2"	1756	3875	180 x 110 x 215
100103064	PLUS 75-10 VS	75	100	10500 / 4200	630 / 252	371 / 148	10	145	72	2"	1756	3875	180 x 110 x 215
VARIABLE SPEED WITH DRYER													
100103065	PLUS 38-08 ES VS	37	50	5900 / 2350	354 / 141	208 / 83	8	116	72	1 -1/4"	805	1777	186 x 83 x 144
100103066	PLUS 38-10 ES VS	37	50	5200 / 2050	312 / 123	184 / 72	10	145	72	1 -1/4"	805	1777	186 x 83 x 144

Free air delivery as per ISO 1217 Annex C, at 7.5 - 9.5 - 12.5 bar at the compressor outlet. ± 3 dB (A) as PNEUROP/CAGI PN-NTC 2.3.

** Variable Speed models: max./min. values.

Long Life Kit for screw compressors scheduled maintenance

- ▶ **FSN original spare parts** have been rigorously selected, checked and tested by specialized technicians to ensure the utmost efficiency and endurance of the compressor. The parts are stocked in our “LOGIMAT” centralized and automated warehouse in Zola Predosa (BO) - Italy, where 12,000 part codes on 10,000 sqm are managed every day.
 - ▶ Specialized staff is continuously in contact with our distribution centres worldwide, to deliver spare parts to our customers in the shortest possible time.
 - ▶ Our “Hot-Line” service is able to prepare and ship within the same day urgent orders.
 - ▶ The use of **FSN Long Life Kit**, specifically studied for screw compressors, extends maintenance intervals, cutting down service costs and ensuring consistent product performance, with consequential energy saving.
- Ask for the catalog with reference codes!**



Maintenance interval,
using non original
parts

Maintenance
interval,
using original parts **+20%**



2.2-5.5 kW	1.000 h	2.000 h ** (or every year)	6.000 h	8.000 h	16.000 h				
MICRO SE 2.2-08	1 Air filter cartridge.	1 Air filter cartridges.	1 x 2,000 hrs kit.	1 x 2,000 hrs kit.	1 x 8,000 hrs kit.				
MICRO SE 2.2-10									
MICRO SE 2.2-10 M									
MICRO SE 3.0-08						1 Oil filter cartridge.	1 Belt.	1 Minimum pressure valve kit.	1 Air-end.
MICRO SE 3.0-10						1 Separator cartridge.	1 Intake regulator kit.	3 Pipes.	
MICRO SE 4.0-08						1 Oil check valve.	1 Solenoid valve.		
MICRO SE 4.0-10									
MICRO 4.0-08									
MICRO 4.0-10									
MICRO 4.0-13									
MICRO 5.5-08									
MICRO 5.5-10									
MICRO 5.5-13									
7.5-15 kW	1.000 h	4.000 h ** (or every year)	8.000 h	12.000 h	20.000 h				
PLUS 8-08	1 Air filter cartridge.	1 Air filter cartridges.	1 x 4,000 hrs kit.	1 x 4,000 hrs kit.	1 x 4,000 hrs kit.				
PLUS 8-10									
PLUS 8-13									
PLUS 11-08						1 Oil filter cartridge.	1 Minimum pressure valve.	1 Belt.	1 Air-end.
PLUS 11-10						1 Separator cartridge.	4 Pipes.		
PLUS 11-13						1 Oil check valve.			
PLUS 15-08							1 Intake regulator kit.		
PLUS 15-10									
PLUS 15-13									
PLUS 16-08									
PLUS 16-10									
PLUS 16-13									

** We recommend to change oil at the indicated interval or every year.
We suggest to use our RotEnergyPlus oil (NOT INCLUDED IN THE LONG LIFE KIT).

18.5-22 kW	1.000 h	4.000 h (or every year)	8.000 h **	12.000 h	24.000 h
PLUS 18.5-08	1 Air filter cartridge.	1 Air filter cartridges.	1 x 4,000 hrs kit.	1 x 4,000 hrs kit.	1 x 12,000 hrs kit.
PLUS 18.5-10		1 Oil filter cartridge.		1 Belt.	Air-end.
PLUS 18.5-13		1 Separator cartridge		1 Intake regulator kit.	
PLUS 22-08		1 Separator cartridge		1 Minimum pressure valve kit.	
PLUS 22-10		1 Oil check valve.		1 Solenoid valve.	
PLUS 22-13				6 Pipes.	
PLUS 22 VS					
30-37 kW	1.000 h	4.000 h ** (or every year)	8.000 h	12.000 h	20.000 h
PLUS 31-08	1 Air filter cartridge.	1 Air filter cartridges.	1 x 4,000 hrs kit.	1 x 4,000 hrs kit.	1 x 4,000 hrs kit.
PLUS 31-10		1 Oil filter cartridge.		1 Belt.	Air-end.
PLUS 31-13		1 Separator cartridge		1 Intake regulator kit.	
PLUS 38-08		1 Separator cartridge		1 Minimum pressure valve kit.	
PLUS 38-10		1 Oil check valve.		1 Solenoid valve.	
PLUS 38-13				5 Pipes.	
PLUS 38 VS					
45-55 kW	1.000 h	4.000 h ** (or every year)	8.000 h	12.000 h	20.000 h
PLUS 45-08	1 Primary air filter cartridge.	1 Primary air filter cartridges.	1 x 4,000 hrs kit.	4,000 hrs kit.	4,000 hrs kit.
PLUS 45-10		1 Safety air filter cartridge.	1 Intake regulator kit.	1 Belt.	Air-end.
PLUS 45-13		1 Oil filter cartridge.	1 Minimum pressure valve kit.	1 Solenoid valve.	
PLUS 55-08		1 Separator cartridge (2 for 55 model).		5 Pipes.	
PLUS 55-10		1 Oil check valve (2 for 55 model).			
PLUS 55-13		1 Prefilter.			
PLUS 55 VS					
55-75 kW	1.000 h	4.000 h ** (or every year)	12.000 h	24.000 h	
PLUS 56-08	1 Air filter cartridge.	1 Air filter cartridge.	1 x 4,000 hrs kit.	1 x 12,000 hrs kit.	
PLUS 56-10		1 Oil filter cartridge.	1 Belt.	Air-end.	
PLUS 56-13		2 Separator cartridges.	1 Intake regulator kit.		
PLUS 56 VS		2 Separator cartridges.	1 Minimum pressure valve kit.		
PLUS 75-10		2 Oil check valves.	1 Solenoid valve.		
PLUS 75-08		2 Oil check valves.	5 Pipes.		
PLUS 75-13		1 Prefilter.			
PLUS 75 VS					

** We recommend to change oil at the indicated interval or every year.
We suggest to use our RotEnergyPlus oil (NOT INCLUDED IN THE LONG LIFE KIT).

RotEnergy synthetic lubricants

- ▶ FSN lubricants are specially designed for rotary screw compressors to achieve rapid water separation, lower friction, enhanced energy savings, longer maintenance intervals and excellent bearing lubrication while offering superior rust and corrosion protection. RotEnergyFood is a high quality food-grade rotary compressor lubricant specifically designed for use in the food and beverage industries to meet their production quality standards.



#600000018	RotEnergyPlus 46 cSt - 1x 3.25 kg (3.75 lt)
#600000009	RotEnergyPlus 46 cSt - 4x 3.25 kg (3.75 lt)
#600000007	RotEnergyPlus 46 cSt - 1x 16 kg (18.5 lt)
#600000012	RotEnergyPlus 46 cSt - 1x 175 kg (210 lt)
#600000014	RotEnergyFood 46 cSt - 4x 3.25 kg (3.75 lt)
#600000016	RotEnergyFood 46 cSt - 1x 16 kg (18.5 lt)
#600000017	RotEnergyFood 46 cSt - 1x 180 kg (207 lt)

Flexible hoses for tank-compressor connection



#199140618	3/4" x 1600 mm.
#199418000	1" x 1200 mm.
#199110810	1"-1/4 x 1200 mm.
#199MB0010	DN 80x1000 mm.
#199MB0001	2" x 1500 mm.

" We are Air ! "
Compressed Air!



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