



/// NEW SILVER ROTARY SCREW COMPRESSORS

**Performance, simplicity, longevity.
The next generation of low maintenance
compressed air solutions.**

Italian technology since 1977 for a choice that lasts over time.

fiac
AIR COMPRESSORS

NEW SILVER ROTARY SCREW COMPRESSORS

When a company demands superior compressed air performance and space is limited, FIAC's New Silver range of rotary screw compressors is the ideal choice.



Key Features

- Market-leading power and high performance
- Latest innovation in airend technology
- Easy mobility, installation and operation
- Low noise and vibration
- Compact design for installation close to the point of use
- Simple and reliable digital controller

The superior performance compared to piston compressors makes New Silver an ideal solution for industrial or automotive applications with a continuous demand for compressed air, in demanding operating conditions where reliable pressure delivery is crucial.



Automotive Applications



Industrial Applications



NEW SILVER NS 3D

NS 3D Overview

- Superior performance and efficiency over belt-driven piston compressor
- Quiet operation as low as 59 dB(A)
- High reliability and longevity of the airend for a better life cycle cost
- Quick, easy and cost-effective maintenance
- Space saving design

Key Features

- Latest generation compressor screw technology with fully integrated aluminum block and direct drive transmission
- Maximum pressure up to 10 bar
- Compact and portable for easy mobility
- Low noise and vibration allow an installation closer to the point of use, reducing the piping required
- Plug-and-play operation with no expertise required
- High efficient direct transmission contributes to high reliability and easy maintenance



Easy Maintenance



Portable



Compact Design

Performance data

MODEL	MAX. WORKING PRESSURE		FREE AIR DELIVERY *		MOTOR POWER		NOISE LEVEL **	TANK MOUNTED (WHEELS) 90 L	TANK MOUNTED (WHEELS) 200 L	TANK MOUNTED 200L
	bar	psi	l/min	CFM	kW	HP		kg	kg	kg
NS 3D	10	145	280	9.9	2.3	3	59	112	160	160

* Unit performance measured according to ISO1217, Annex C, latest edition.

** Noise level measured according to ISO 2151:2004 using ISO 9614/2 (sound intensity method). 60 Hz available.

Dimensions

MODEL	DIMENSIONS (mm)		
	Length	Width	Height
NS 3D 90L W	1105	495	1085
NS 3D 200L W	1430	616	1268
NS 3D 200L	1430	450	1157

NEW SILVER NS 4-20



/// NS 4-20 Overview

- 3-in-1 compressed air system
- Configurations: Base mounted | Tank mounted | Tank mounted + Dryer
- Innovative vertical oil separation
- High performance
- Superior reliability throughout compressor lifecycle

/// Key Features

- Fully integrated aluminum block
- Superior oil separation
- New generation compact airend
- Highly reliable, energy efficient motor
- Low noise and vibration
- Simple and reliable digital controller
- One of the smallest footprints on the market
- Quick, easy and cost-effective maintenance

/// Oil Filtration



/// Oil Level Check

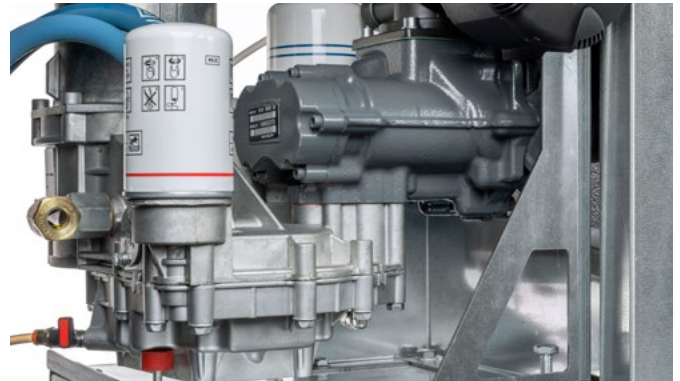


/// Easy Maintenance



NS 4–20 Innovation

- New Integrated Block: Innovative design made of Aluminum
- Complex architecture with minimum parts and internally casted channels
- Stable oil film on the surface
- Compactness of the integrated oil circuit
- Less risk of corrosion & Less risk of condensation
- Simple maintenance



Performance data

MODEL	MAX. WORKING PRESSURE		FREE AIR DELIVERY *		MOTOR POWER		NOISE LEVEL **	BASE MOUNTED	TANK MOUNTED 270 L	TANK MOUNTED 500L	TANK MOUNTED 270L + DRYER	TANK MOUNTED 500L + DRYER	
	bar	psi	l/min	CFM	kW	HP			kg	kg	kg	kg	
NS 4	8	116	460	16.6	3	4	62	147	214		241		
	10	145	359	12.8					147	214	241		
NS 5.5	8	116	578	21.0	4	5,5	63	152	220		247		
	10	145	502	18.0					152	220	247		
NS 7.5	8	116	858	31.1	5,5	7,5	66	163	230	297	258	325	
	10	145	756	27.2					163	230	297	258	325
NS 10	8	116	1028	36.7	7,5	10	68	190	257	324	284	351	
	10	145	961	34.1					190	257	324	284	351
NS 10S	8	116	1135	40.1	7,5	10	65	204	274	338	306	370	
	10	145	995	35.1					204	274	338	306	370
	13	189	773	27.3					206	303	340	335	399
NS 15	8	116	1610	56.9	11	15	69	215	286	350	317	381	
	10	145	1410	49.8					215	286	350	317	381
	13	189	1150	40.6					217	315	352	346	410
NS 20	8	116	1850	65.3	15	20	71	234	305	369	336	400	
	10	145	1677	59.2					234	305	369	336	400
	13	189	1326	46.8					236	334	371	365	429

* Unit performance measured according to ISO1217, Annex C, latest edition.

** Noise level measured according to ISO 2151:2004 using ISO 9614/2 (sound intensity method). 60 Hz available.

Dimensions

MODEL	CONFIGURATION	DIMENSIONS (mm)		
		Length	Width	Height
NS 4	BM	804.8	603.1	1020
NS 5.5				
NS 7.5				
NS 10				
NS 10S				
NS 15				
NS 20	937.8	708.1	1020	

MODEL	CONFIGURATION	DIMENSIONS (mm)		
		Length	Width	Height
NS 4	TM 270L TMD 270L	1533	573	1447
NS 5.5				
NS 7.5				
NS 10				
NS 10S				
NS 15				
NS 20	TM 500L TMD 500L	1935	610,5	1606
NS 7.5				
NS 10				
NS 10S				
NS 15				
NS 20				

NEW SILVER NS SD 4-20



/// NS SD 4-20 Overview

The new NS SD 4-20 range offers all the advantages of the NS 4-20 series, now enhanced with variable speed control for even greater efficiency.



Reliability

The inverter ensures smooth starts and stops, reducing component stress by up to 80% and extending the lifespan of key parts.



Energy Efficiency

The NS 4-20 range delivers up to 30% energy savings by switching from piston to screw technology. The new NS SD 4-20 inverter range enhances this further, offering up to 30% additional savings compared to the fixed-speed version.



Quiet Operation

Quieter than fixed-speed models and significantly quieter than piston compressors, thanks to lower operating speeds under varying air demands—reducing noise levels up to 58 dB.



Smart Control

The new AIR3B+ controller simplifies setup and monitoring, with connectivity options via mobile or computer.



Compact Design

A space-saving, all-in-one solution with dryer-integrated, tankmounted versions for easy plug-and-play installation.



Introducing the AIR3B+ Connect Controller



The advanced AIR3B+ Connect Controller enhances your compressor's performance with:

- Large, intuitive display
- Connectivity for remote monitoring
- Delayed Second Stop energy savings
- Real-time warnings and shutdown alarms
- Service status, history and notifications
- Easily adjust pressure band settings

NS 4–20 Fixed Speed

- ▀ Innovative element design with integrated oil separation
- ▀ Efficient and robust motor
- ▀ Quiet with low vibration
- ▀ Digital controller
- ▀ Small footprint
- ▀ Maintenance friendly design

NS SD 4–20 Variable Speed

Brings all the values of the fix speed and adds:

- ▀ Advanced digital controller – with Connectivity
- ▀ As quiet as a household appliance. Up to 7 decibels quieter than fixed speed
- ▀ Energy savings of up to 30% compared to fixed-speed
- ▀ Less component wear for a longer lifetime and lower operational costs
- ▀ Lower starting currents increase reliability

Performance data

MODEL	MAX. WORKING PRESSURE		MIN FREE AIR DELIVERY*		MAX FREE AIR DELIVERY*		MOTOR POWER		NOISE LEVEL @ 70%**	BASE MOUNTED	TANK MOUNTED 270L	TANK MOUNTED 270L + DRYER
	bar	psi	l/min	CFM	l/min	CFM	kW	HP				
NS SD 4	8	116	-	-	460	16.6	3	4	58	152	219	246
	10	145	-	-	374	13.2						
NS SD 5.5	8	116	-	-	578	21.0	4	5,5	59	157	225	252
	10	145	-	-	502	18.0						
NS SD 7.5	8	116	-	-	858	31.1	5.5	7,5	62	168	235	263
	10	145	-	-	756	27.2						
NS SD 10	8	116	-	-	1028	36.7	7.5	10	62	198	265	292
	10	145	-	-	961	34.1						
NS SD 10S	10	145	366	12.9	1056	37.3	7.5	10	64	212	282	314
	13	189	378	13.3	832	29.4						
NS SD 15	10	145	342	12.1	1401	49.5	11	15	66	223	294	325
	13	189	360	12.7	1138	40.2						
NS SD 20	10	145	468	16.5	1677	59.2	15	20	69	244	315	346
	13	189	468	16.5	1371	48.4						

* Unit performance measured according to ISO1217, Annex C, latest edition.

** Noise level measured at 70% load according to ISO2151 2004.

Dimensions

MODEL	CONFIGURATION	DIMENSIONS (mm)		
		Length	Width	Height
NS SD 4	BM	804.8	603.1	1020
NS SD 5.5				
NS SD 7.5				
NS SD 10				
NS SD 10S				
NS SD 15				
NS SD 20	1533	573.1	1447	

MODEL	CONFIGURATION	DIMENSIONS (mm)		
		Length	Width	Height
NS SD 4	TM 270L TMD 270L	937.8	708.1	1020
NS SD 5.5				
NS SD 7.5				
NS SD 10				
NS SD 10S				
NS SD 15				
NS SD 20	1533	678.1	1447	

NEW SILVER NS 20S-30



/// The All-In-One Compressor

- 3-in-1 compressed air system
- Base mounted | Tank mounted | Tank mounted + Dryer
- Innovative vertical oil separation
- High performance
- Space-saving installation
- Low noise and vibration
- Robust and reliable
- Simple maintenance

/// Delivering the Total Compressed Air Solution

/// Energy Optimization

- Air Energy Control 3B Basic Controller
- Remote Start/Stop and automatic restart
- Pressure setting and control of working temperature
- Running hours indicator
- Service and failure warnings



/// Air quality

- Highly efficient 3-stage oil separation
- Modified refrigerant dryer enabling close POU
- Refrigerant gas R410A
- PDP around 3°C
- Intelligent automatic drain with solenoid, no air loss



/// Options

- Food grade oil and coalescent filters



Screw Compressor Technology Designed for Industry

We continue to innovate our compressed air solutions to meet the demands of businesses in all areas of industry. The latest generation of rotary screw technology delivers greater benefits than ever before, on cost of ownership, performance and reliability.

Superior Performance

High performance coupled with lower energy consumption. The New Silver generates more air and does so more efficiently thanks to its superior compression technology.

Performance data

MODEL	MAX. WORKING PRESSURE		FREE AIR DELIVERY *		MOTOR POWER		NOISE LEVEL **	BASE MOUNTED	TANK MOUNTED 500L	BASE MOUNTED + DRYER	TANK MOUNTED 500L + DRYER
	bar	psi	l/min	CFM	kW	HP					
NS 20S	8	116	2450	86.6	15	20	67	313	537	362	588
	10	145	2215	78.3							
NS 25	8	116	3000	106	18.5	25	69	328	545	377	603
	10	145	2590	91.5							
NS 30	8	116	3570	126.1	22	30	70	344	561	393	619
	10	145	3090	109.2							

* Unit performance measured in 7,5 e 9,5 bar according to ISO1217, Annex C, latest edition.

** Noise level measured according to ISO 2151:2004 using ISO 9614/2 (sound intensity method). 60 Hz available.

Dimensions

MODEL	CONFIGURATION	DIMENSIONS (mm)		
		Length	Width	Height
NS 20S NS 25 NS 30	BM	1130	780	1250
NS 20S NS 25 NS 30	BM + D	1400	780	1250
NS 20S NS 25 NS 30	TM 500L TMD 500L	1904	780	1833

Improved Duty Cycle

While piston compressors require cool-down periods, screw compressors can be used all day long, providing compressed air on demand.

Minimal Noise

Screw compressors typically have 20 dB(A) less noise than piston compressors; this allows them to be placed much closer to the point of use (POU), thus reducing piping and installation costs.

Cleaner Air

With an oil carry-over of less than 5 ppm, our screw compressor range generates much cleaner air than a typical piston compressor (more than 30 ppm) and helps to protect downstream tools and equipment.

NEW SILVER NS SD 20S–30



/// NS SD 20S–30 Overview

The NS SD 20S–30 range combines the proven benefits of the NS 20S–30 series with advanced variable speed control, delivering superior efficiency, reliability, and performance.



Reliability

Slow-start technology minimises strain on critical components like bearings, pulleys, and belts. Reduced load during start and stop cycles enhances component lifespan and system reliability.



Energy Efficiency

Achieve up to 30% energy savings with variable speed control. A single-point pressure setting adapts to fluctuating air demands, reducing energy consumption and lowering overall ownership costs.



Quiet Operation

Noise levels remain as low as 66 dB, ensuring quieter performance under fluctuating loads.



Smart Control

The new AIR3B+ controller simplifies setup and monitoring, offering remote connectivity via mobile phone or computer for seamless operation.



Compact Design

A space-saving, all-in-one solution with dryer-integrated, tank-mounted variants for easy installation and plug-and-play convenience.



AIR3B+ Connect Controller: Advanced Control & Monitoring



The AIR3B+ Connect Controller enhances compressor performance with intelligent monitoring and control features.

- Large, intuitive display
- Connectivity for remote monitoring and control
- Delayed Second Stop energy savings
- Real-time warnings and shutdown alarms
- Service status, history and notifications
- Easily adjust pressure band settings

NS 20S–30 Fixed Speed

- Pressurized air station
- Combination of variant for your need
- Space-saving installation
- Quiet and robust
- Maintenance friendly design

NS SD 20S–30 Variable Speed

Brings all the values of the fixed speed and adds:

- High performance and up to 30% energy-saving compared to fixed speed
- Quieter than the fixed speed by almost 5%
- More reliable due to soft start, less wear on the components
- Advanced digital controller – with Connectivity

Performance data

MODEL	MAX. WORKING PRESSURE		MIN FREE AIR DELIVERY*		MAX FREE AIR DELIVERY*		MOTOR POWER		NOISE LEVEL @ 70%**	BASE MOUNTED	BASE MOUNTED + DRYER	TANK MOUNTED 500L + DRYER
	bar	psi	l/min	CFM	l/min	CFM	kW	HP				
NS SD 20S	8	116	654	23.1	2586	91.3	15	20	65	347	395	626
	10	145	678	23.9	2256	79.7						
	13	189	630	22.2	1890	66.7						
NS SD 25	8	116	804	28.4	2850	100.6	18,5	25	65	353	400	641
	10	145	785	27.7	2586	91.3						
	13	189	738	26.1	2274	80.3						
NS SD 30	8	116	1014	35.8	3600	127.1	22	30	66	367	416	657
	10	145	990	35.0	3090	109.1						
	13	189	984	34.7	2274	80.3						

* Unit performance measured according to ISO1217, Annex C, latest edition.

** Noise level measured at 70% load according to ISO2151 2004.

Dimensions

MODEL	CONFIGURATION	DIMENSIONS (mm)		
		Length	Width	Height
NS SD 20S	BM	1200	818	1220
NS SD 25				
NS SD 30				
NS SD 20S	BM + D	1452	818	1220
NS SD 25				
NS SD 30				
NS SD 20S	TM + D	1902	818	1832
NS SD 25				
NS SD 30				



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