



MADE IN ITALY

### Innovative compressors for:

- dentists
- dental technicians
- scientific laboratories
- podiatrists
- veterinarians
- dental clinics
- clean rooms

# C€ ER[













#### At the center of excellence

Gentilin Air Compressors was founded 30 years ago in Trissino (Vicenza - Italy), a region particularly known in Europe and throughout the world for its superior standards in mechatronics. In just a few years, the company became the region's benchmark of excellence for the manufacturing, development and distribution of compressed air tools. The company is proud to distinguish itself for the quality of its production, which is the outcome of intense and ongoing technological breakthroughs carried out by its very own R&D resources. Experience, specialization and a pinch of Italian ingenuity are the ingredients that have taken Gentilin Air Compressors products well beyond the top of every product category - they have made these products one of a kind! Having secured over the years a series of international patents, Gentilinbranded products possess features that are mechanically unique, and that decisively puts them in a class of its own for efficiency, longevity and low-noise operation.



#### Service is not optional

From concept design to product delivery. From Italy to the world. The mission of Gentilin Air Compressors does not stop with its commitment to innovation and the resulting final product. A fundamental aspect of its philosophy is to assist customers and end users in all of their needs. For this reason the company boasts a robust team of technical, logistical and product support specialists capable of adapting its products and services to the specific requirements of each client. At Gentilin Air Compressors a crucial approach to after-sales service is that the customer will never need adapt to the supplier. It is in this spirit that the company has become established in Europe, United States, Latin America and Asia, and has created a network of over 100 distributor with an extensive domestic and international reach.

### **ALONGSIDEYOU**

#### INNOVATION

Our engineers use the latest technologies to design, develop and market the unique products that make GENTILIN COMPRESSORS a success. The R&D department has always been a focal point in GENTILIN COMPRESSORS, where cutting-edge ideas are initially conceptualized and later brought to pass.

#### EXPERIENCE

GENTILIN COMPRESSORS has decades of experience in the production of oil-free air compressors. The products offered to its clients have been expansively tested and used for thousands of the most demanding applications in various sectors throughout the world.

#### **ATTENTION TO DETAILS**

All process, from production to worldwide distribution of the products, undergo a systematic quality control process to guarantee the utmost performance. Attention to details is what has made GENTILIN COMPRESSORS products unique, reliable and internationally recognized.



### OUR COMPRESSORS ARE UNIQUE



OUR 6 SELLING POINTS



62-64 Dba: EXCEPTIONAL LOW NOISE



**3 YEARS** WARRANTY



**HOURS COUNTERS** 



CONTAMINATION-FREE AIR WITH FILTERS UP TO **0,01** micron



8/10 BAR OPERATION



**100%** DUTY CYCLE CONTINUOUS OPERATION



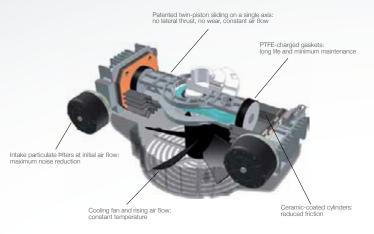
## **AXXER**<sup>®</sup>, a more natural, silent and high efficiency movement.

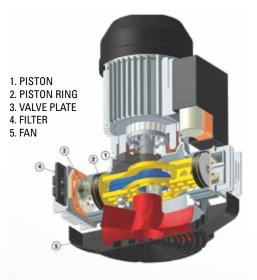
▲★★■₹\* (AXial Elements Rotation) is an innovative system of counterposed pistons that revolutionizes traditional mechanics: a two-head single piston concept.
 ▲★★■₹\*\* technology is the only piston mechanism in the world conceptually designed and produced for oil-free operation, that is, without lubricating oil. As such, it affords CLINIC AIR products to exhibit unique features:

- Low temperature operation
- Greatly reduced maintenance
- An additional 20% efficiency
- A 10% energy consumption use
- Lower noise levels
- Perfect ignition timing, as well as powerful and constant air flow
- 5.000 hours of continuous operation

The **AXXER**<sup>®</sup> technology single piston with two heads slides axially inside aluminium cylinders that are coated with OXYD ceramic, thereby drastically reducing lateral thrusts and subsequent wear-and-tear. There is no other such solution that guarantees low stress load for the motor, strong and constant air flow as pressure increases, and low-voltage starts.

These advantages translate into an enduring compressor and a greatly reduced need for maintenance. The oil-free CLINIC AIR compressors with **I Sec** technology have no equals in the market: efficient, reliable, low-noise, constant air flow, and suitable for intensive use.









The technology employed in CLINIC AIR compressors carries over to other components of our compressors. The air intake filters are certainly used to remove particulate matter and various other air pollutants, as intended. In addition, they lower the noise level associated with the intake phase of the air flow.

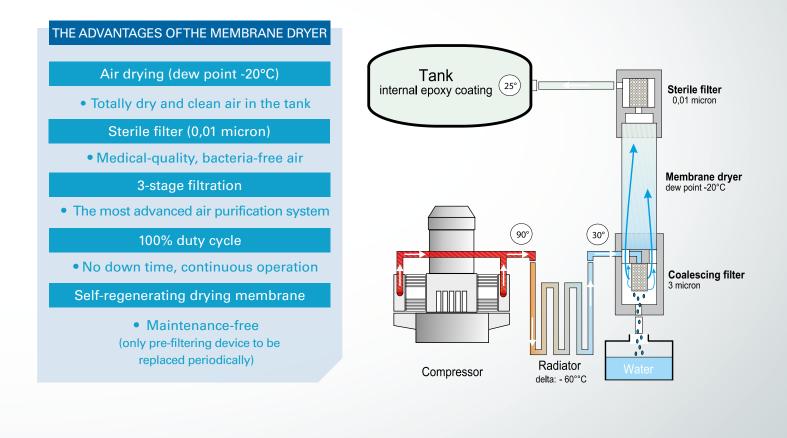


As well, the pumping mechanism is completely sealed or "airtight." This further contributes to reduce noise without having to resort to sound proof enclosures.



### CLINIC AIR DRYING SYSTEMS

A fundamental requirement of dentistry professionals is to work with air flow that is both dry and clean. Humid air is known to damage expensive dental equipment. However, it can also serve as a dangerous carrier of bacteria and contaminants that clearly jeopardize the health of patients. For this reason Gentilin has been especially meticulous in controlling the quality of the drying systems of the CLINIC AIR product line. Therefore, Clinic Air range is equipped with more than the standard absorption dryer. It also has a membrane dryer capable of producing medical-quality air.





HIGHLY RESISTANT TO THE STRESS OF THE PRESSURE CYCLES



HIGHLY RESISTANT TO VIBRATIONS



STERILISATION POSSIBLE IN AUTOCLAVE AT 120°C (20-30 MIN.)



Fi	ltration				Micro
0.001	0.01	0.1	1	10	100
	tobaco	o smoke			
				particles	
	coa	l dust			
	combustion				
	gas			pollens	
			pigments		
			insecticides		
				aerosol	
١	ı viruses				
			bacter	ia	
			spore	S	

Filtration parameters of various contaminants

### Why sterile air?



Dental offices and scientific laboratories increasingly require that compressed air is not only dry and generally clean – but that it would also be sterile. That is, air flow free of contaminants such as bacteria, viruses, spores, airborne pollutants and dust particles. Models H and HS provide this demanding degree of air quality thanks to an advanced membrane dryer as well as 3 micron filters for H models and 3+0.01 microns for HS models.

CLINIC AIR's sterile filter consists of HEPAcertified micro fibers of borosilicate glass, and it ensures the removal of 99.9999% of liquid or gaseous contaminants.





#### COD. 84053

#### Absorption dryer with drying silica gel

This is the standard dryer in the CLINIC AIR product line. It is compact and reliable, and it affords the production of dry and clean air, as well as the removal of condensation.

- » Dew point: -20°C
- » Standard filtration: 20 micron
- >> Drying gel automatic regeneration during compressor's shutdown
- >> 50% Duty Cycle

The absorption dryer is reliable, compact and low-cost. It is based on the principle of alternating work between the compressor and the dryer. An important advantage is in the compressor's ability to maintain a steady performance during the time in which the dryer is operative. It does not require additional maintenance but the replacement of the drying gel either every two years, or after 2000 hours of operation.

#### Self-regenerating dryer with sterile filter

This is the top of the line of CLINIC AIR's dryers, and it is furnished as standard equipment on Models H and HS. This dryer provides more than merely dry and generically clean air. Given its unique 3-stage filtration system, it also provides medical-quality air with the removal of bacteria, spores, viruses, air pollutants, dust particles and other contaminants.

The heart of the self-regenerating membrane drying process is a sophisticated 3-stage air filtering system:

- » 1st level: coalescing filtration, 3 micron for an advanced separation of air and water
- >> 2nd level: self-regenerating membrane drying process with continuous duty cycle (dew point 20° C)
- » 3d level (HS models only): sterile filtration 0,01 micron for medical-quality air
- » 100% Duty Cycle

CLINIC AIR's sterile filter consists of HEPA-certified micro fibers of borosilicate glass, and it ensures the removal of virtually every contaminant.

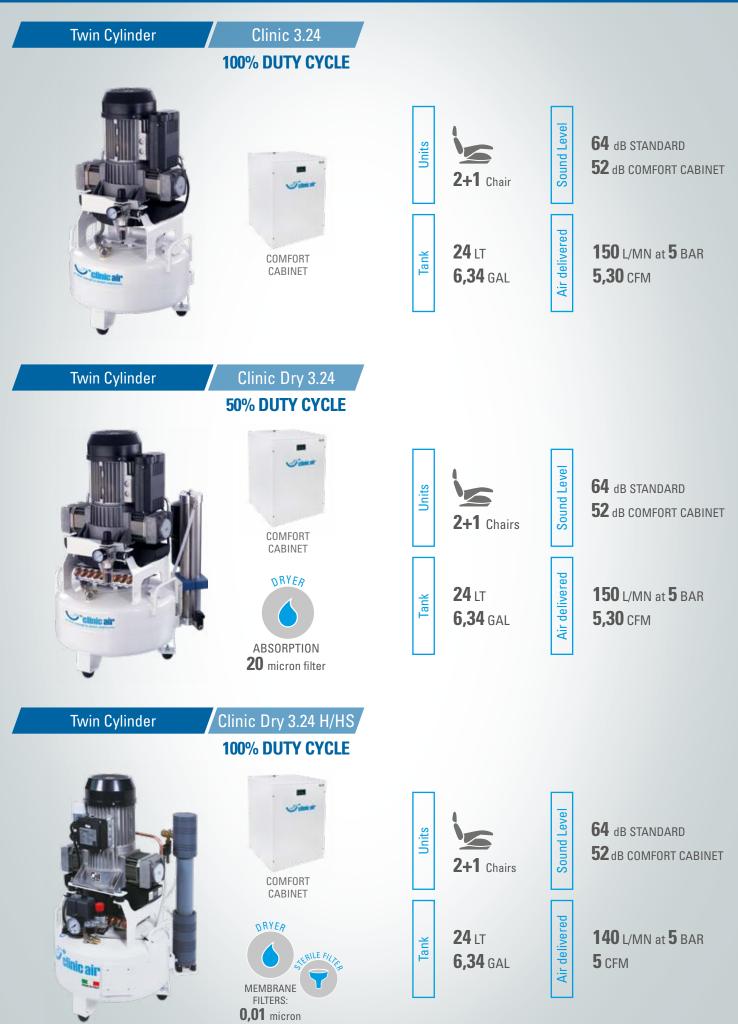
Given the self-regenerating nature of the membrane dryer, it is unnecessry to replace or service.

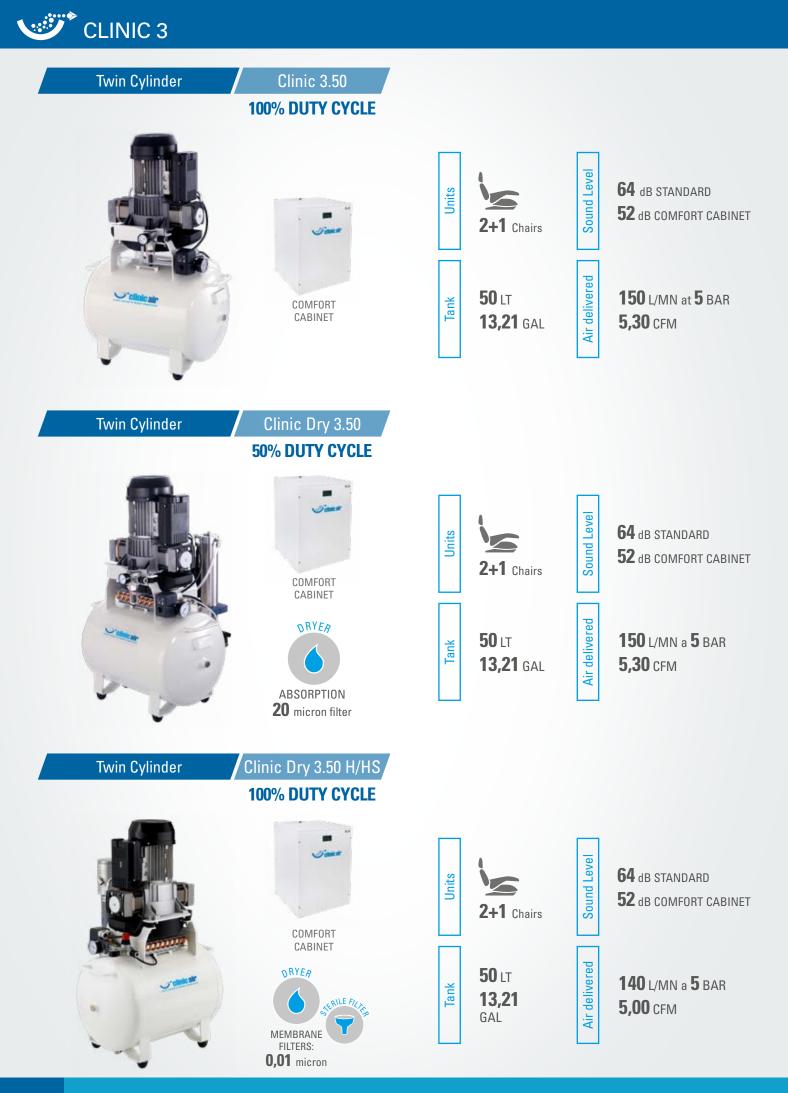
1/2 HP Compressors	4 HP Compressors
COD. 84045	COD. 84045/1
COD. 84403	COD. 84405
COD. 84402	COD. 84404















### **COMFORT CABINETS 24/50**



		L W	$\oslash$	4				
Model	Code	Size	Noise reduction	Voltage	Outside	Interior	Suitable for	Duty Cycle
Comfort 24	MOB/CMF24	92x60x62 cm	-12 dB	230V/50 Hz	Metal	polyurethane phono-absorbent	Clinic 1 - Clinic 3 24 LtTank	100%
Comfort 50	MOB/CMF50	98x75x65 cm	-12 dB	400V/50 Hz	Metal	polyurethane phono-absorbent	Clinic 3 50 LtTank	100%

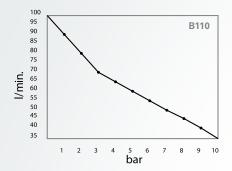
### **COMFORT CABINETS 90**

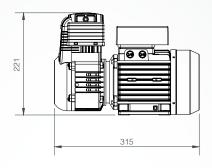


		H	$\oslash$	4				
Model	Code	Size	Noise reduction	Voltage	Outside	Interior	Suitable for	Duty Cycle
Comfort 90	MOB/CMF90/1	120x73x87 cm	-12 dB	230V/50 Hz	Metal	polyurethane phono-absorbent	Clinic 6	100%
Comfort 90	MOB/CMF90/2	120x73x87 cm	-12 dB	400V/50 Hz	Metal	polyurethane phono-absorbent	Clinic 6	100%

							Tech	echnical		ecifid	Specifications	S							
	E		а́р.	4	1	Ē	I			par	QH	Ņ	ţ	$\bigcirc$			6y		
Model	Soundproof device		Power	Voltage	Chairs	RPM	Tank	Cylinders		Max pressure	Duty Cycle	Intake air (0 bar)	Air delivered (5 bar)	Noise	Filter (micron)	Sizes	Net weight	Packaging Sizes	Packaging Wight
		Kw	Чh	V/Hz/Va	unités	rpm	Lt Gal	ů	Bar	Psi	%	L/min	L/min	dB (A)		(HxLxW)cm	Kg	(H×L×W)cm	Kg
Pick-Up 60	Standard	0,50	0,75	230/50	-	2800	5 1,32	1	00	116	20%	110	60	72	-	39x42x19	11		
	Standard	0,75	1,0	230/50	-	1400	24 6,34	1	00	116	%02	120	72	62	20	71x43x44	30	95×66×55	33
CIINIC 1.24	Comfort	0,75	1,0	230/50	-	1400	24 6,34	1	00	116	%02	120	72	50	20	96x61x62	30	95×66×55	33
	Standard	0,75	1,0	230/50	-	1400	24 6,34	1	00	116	50%	120	72	62	20	71x43x58	35	95×66×55	38
CIINIC URY 1.24	Comfort	0,75	1,0	230/50	-	1400	24 6,34	1	00	116	50%	120	72	50	20	96x61x62	35	95×66×55	38
	Standard	1,5	2,0	230/50	2+1	1400	24 6,34	t 2	10	145	100%	240	150	64	20	77×41×42	37	95×66×55	40
OIIIIIC 3.24	Comfort	1,5	2,0	230/50	2+1	1400	24 6,34	t 2	10	145	100%	240	150	52	20	96×61×62	77	95×66×55	
	Standard	1,5	2,0	230/50	2+1	1400	24 6,34	t 2	10	145	50%	240	150	64	20	77×41×51	42	95×66×55	45
	Comfort	1,5	2,0	230/50	2+1	1400	24 6,34	t 2	10	145	50%	240	150	52	20	96x61x62	50	95×66×55	
	Standard	1,5	2,0	230/50	2+1	1400	24 6,34	t 2	10	145	100%	240	140	64	ω	77×44×47	42	95×66×55	45
	Comfort	1,5	2,0	230/50	2+1	1400	24 6,34	t 2	10	145	100%	240	140	52	ო	96×61×62	81	95×66×55	
	Standard	1,5	2,0	230/50	2+1	1400	24 6,34	t 2	10	145	100%	240	140	64	0,01	77×44×47	42	95×66×55	45
	Comfort	1,5	2,0	230/50	2+1	1400	24 6,34	t 2	10	145	100%	240	140	52	0,01	96x61x62	82	95×66×55	
	Standard	1,5	2,0	230/50	2+1	1400	50 13,21	1 2	10	145	100%	240	150	64	20	91x46x61	44	110×66×55	47
	Comfort	1,5	2,0	230/50	2+1	1400	50 13,21	1 2	10	145	100%	240	150	52	20	110×79×68	66	110×66×55	
	Standard	1,5	2,0	230/50	2+1	1400	50 13,21	1 2	10	145	50%	240	150	64	20	91x46x61	49	110×66×55	52
	Comfort	1,5	2,0	230/50	2+1	1400	50 13,21	1 2	10	145	50%	240	150	52	20	110×79×68	104	110×66×55	
	Standard	1,5	2,0	230/50	2+1	1400	50 13,21	1 2	10	145	100%	240	140	64	с	91x49x61	49	110×66×55	52
	Comfort	1,5	2,0	230/50	2+1	1400	50 13,21	1 2	10	145	100%	240	140	52	m	110×79×68	103	110×66×55	
	Standard	1,5	2,0	230/50	2+1	1400	50 13,21	1 2	10	145	100%	240	140	64	0,01	91x49x61	49	110×66×55	52
Clinic Dry 3.50 H/HS	Silent	1,5	2,0	230/50	2+1	1400	50 13,21	1 2	10	145	50%	240	140	54	0,01	94x51x61	57	110×66×55	60
	Comfort	1,5	2,0	230/50	2+1	1400	50 13,21	1 2	10	145	100%	240	140	52	0,01	110×79×68	104	110×66×55	
	Standard	3,1	4,0	230/50 - 400/50	5/6	1400	90 23,78	8	10	145	100%	480	300	74	20	67×103×46	82	87×110×60	97
0000	Comfort	3,1	4,0	230/50 - 400/50	5/6	1400	90 23,78	8	10	145	100%	480	300	62	20	120×73×87	82	120x73x87	
	Standard	3,1	4,0	230/50 - 400/50	5/6	1400	90 23,78	8	10	145	100%	480	280	74	m	75×103×48	85	87×110×60	100
	Comfort	3,1	4,0	230/50 - 400/50	5/6	1400	90 23,78	8	10	145	100%	480	280	62	С	120×73×87	85	120x73x87	
Clinic Drv.6 90 H/HS	Standard	3,1	4,0	230/50 - 400/50	5/6	1400	90 23,78	8	10	145	100%	480	280	74	0,01	75×103×48	06	87×110×60	100
	Comfort	3,1	4,0	230/50 - 400/50	5/6	1400	90 23,78	8 4	10	145	100%	480	280	62	0,01	120×73×87	06	120x73x87	
						Techni	nnical s <sub>i</sub>	cal specs subject to change without notice	ject to	chang	e withou	ıt notice							

B110

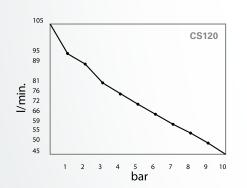


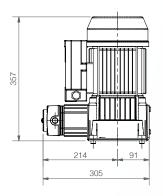




	<b>B</b>	4	C•1	<		bar .	•	•	$\oslash$	kg	H W
Model	Power	Voltage	RPM	Cylinders	Class	Max pressure	Intake air (0 bar)	Air delivered (5 bar)	Noise	Net weight	Dimensions
	Kw	V/Hz/Va	rpm	n°		Bar	L/min	L/min	dB (A)	Kg	(LxHxW)mm
B110	0,75	230/50	2800	1	S3-70% ON	8	110	60	72	6,5	315x221x135
Othor volta	aas available	on roquest	· 110v/60Hz	1101/5047	2201/6047						

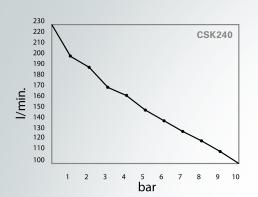
Other voltages available on request: 110v/60Hz - 110v/50Hz - 230v/60Hz

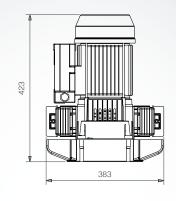






		4	C•1	<		bar	•	•	$\oslash$	kg	H W
Model	Power	Voltage	RPM	Cylinders	Class	Max pressure	Intake air (0 bar)	Air delivered (5 bar)	Noise	Net weight	Dimensions
	Kw	V/Hz/Va	rpm	n°		Bar	L/min	L/min	dB (A)	Kg	(LxHxW)mm
CS120	0,75	230/50	1400	1	S3-70% ON	8	120	72	62	15	305x357x228







	Þ	4	CJ1	<		bar t	•	•	$\oslash$	kg	L W
Model	Power	Voltage	RPM	Cylinders	Class	Max pressure	Intake air (0 bar)	Air delivered (5 bar)	Noise	Net weight	Dimensions
	Kw	V/Hz/Va	rpm	n°		Bar	L/min	L/min	dB (A)	Kg	(LxHxW)mm
CSK240	1,5	230/50	1400	2	S1 - 100% ON	10	240	150	64	22	383x423x228
Otherwork			440	110 / [0]	000						

Other voltages available on request: 110v/60Hz - 110v/50Hz - 230v/60Hz

#### COD. 83303

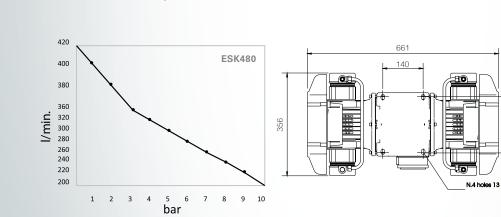
À.

€.

Cylinder heads air connection hose kit (vertical mount)

COD. 83304

Cylinder heads air connection hose kit (horizontal mount)







ESK480

<b>P</b>	4	CJ1	<b>~</b>	bar ,	•	•	$\oslash$	kg	L W

195

Model	Power	Voltage	RPM	Cylinders	Class	Max pressure	Intake air (0 bar)	Air delivered (5 bar)	Noise	Net weight	Dimensions
	Kw	V/Hz/Va	rpm	n°		Bar	L/min	L/min	dB (A)	Kg	(LxHxW)mm
ESK480	3,1	230/50	1400	4	S1 - 100% ON	10	480	300	72	42	661x356x233
ESK480	3,1	380/50	1400	4	S1 - 100% ON	10	480	300	72	42	661x356x233



#### COD. 83305

Cylinder heads air connection hose kit



For H/HS models Clinic Dry

For HS models Clinic Dry





CONDOR MDR2	226468	CONDOR	R MDR3 270003	7
	<b>230/110</b> Volt <b>50/60</b> Hz <b>F4-1/4</b>		230 Volt 50/60 нz F4-3/8	

CONDOR MDR3	272014	Non-return valve	83026/1
Start of Control of Co	400 Volt 50/60 Hz F4-1/4		1= 3/8 м 2= 3/8 м 3= 6 mm

Non-return valve	83026/2		Safety valve	/	82098	
	<b>1= 3/8</b> м <b>2= 3/8</b> м <b>3= 6</b> mm				<b>1/4</b> M <b>11</b> bar	





1x Cylinder gaskets (23) 1x Cylinder head gaskets (19) 1x PTFE piston rings (68) 1x Valve plate gaskets (52) 1x O-ring (126)



1x Cylinder gasket (217) 1x Head gasket (218) 1x PTFE piston ring (327)



2x Cylinder gaskets (23)
2x Cylinder head gaskets (19)
2x PTFE piston rings (52)
2x PTFE piston guide rings (37)
2x Valve plate gaskets (68)
2x O-ring (126)



2x Cylinder gaskets (23) 2x Cylinder head gaskets (19) 3x PTFE piston rings (52) 2x PTFE piston guide rings (486) 2x Valve plate gaskets (68) 2x O-ring (126)



4x Cylinder gaskets (23)
4x Cylinder head gaskets (19)
4x PTFE piston rings (52)
4x PTFE piston guide rings (37)
4x Valve plate gaskets (68)
4x O-ring (126)



- 2x Valve plate gaskets (68)
- 2x O-ring (126)



Eccentric shaft extractor AXXER

#### CLINIC 3/6 (CSK240/ESK480) 83214 NEW!



1x Piston + Con-rod 2x Screws 2x O-ring 2x Piston Plate

**CLINIC 6 (ES480)** 

83123



Piston extractor AXXER





CLINIC 3 AND CLINIC 6: 3 years CLINIC 1: 2 years ANY OTHER PRODUCT: 1 years

### Total quality and after sales service.

When we speak of quality, we mean quality that goes well beyond our unrivaled line of CLINIC AIR compressors that come out of the assembly line. Gentilin's quality is actually "total quality" that is included in everything that we do. Each function of our organization is quality-oriented, from research&development to sales administration and after sales service: that is, Gentilin total quality in comprised in every aspect of our life, from concept to delivery and more.



*Factory and Head Quarter:* Via delle Tezze, 20/22 36070 Trissino (VI) ITALY

T +39 (0)445 962000 F +39 (0)445 491412

info@gentilincompressors.com www.clinicair.it