

ESSORS









Quality Experience Specialization Reliability Since 1966

U S

O



CERTIFICATES



Founded in **1966**, **PARAMINA SA** deals exclusively with compressed air; driven to the **third generation** of ownership as a manufacturer of **screw compressors**, **high pressure piston compressors**,

and auxiliary compressed air



systems suitable for Breathing Air [Firefighting, Marine & Offshore, Defence (Army, Navy, Air Force), Motorsports, Oil & Gas, Diving] as well as Industrial/General Purpose Air, Gas (Nitrogen, Helium, Argon) and Paintball/Shooting Sports applications.

In December 2005, our company moved to the new facilities, achieving to improve and develop further our products, services and quality control.

In June 2016, PARAMINA celebrated its 50 year anniversary. Five decades of experience and specialization, new ideas and proven reliability of our products, have established PARAMINA as a byword for quality in the compressed air market.



Today, PARAMINA is a company able to respond to all customers' needs, via:

- Extensive and specialized knowledge of our engineers
- 3D Mechanical Design & Engineering
- Robust Manufacturing based on quality, endurance and low operational cost
 Elovibility
- Flexibility
- Personal & Direct approach to all customers
- Instant response to all inquiries
- Short & Prompt deliveries
- Rapid & Immediate service support
- Full availability of all spare parts in stock
- Low priced spare parts
- Custom design solutions according to customers demands
- Free sales & service training in our facilities for all our partners
- Quality management system according to EN ISO 9001:2015, certified by TUV AUSTRIA, for the entire production process, from Research & Development to Manufacturing, Sales and After Sales Services for all our air compressors and air processing equipment. We apply also an environmental system according to EN ISO 14001.
- CE declaration of conformity by independent accredited bodies & compliance with EU directives of all our air compressors and air processing equipment.
- Worldwide Sales & Service network

MISTRAL is Paramina's **"petit'' mobile high pressure piston compressor**. The unit is 3-staged, air cooled and easy to transport due to the built-in wheels.

MISTRAL provides a reliable source of breathing air due to the unique purification system (a coalescing prefilter installed before the active carbon/molecular sieve cartridge - hopcalite as an option). It is **suitable for private divers**, **small diving shops**, **diving boats**, **yachts** and **small paintball teams**.

MISTRAL's very low turning speed accomplishes low noise level, almost zero vibration and ensures long life operation.

Technical Data

Model	Power	Max. Pressure	FAD		FAD		RPM	Dimensions cm	Weight
		bar	m³/h	lit/min	min1	L W H	Kg		
M6-BZ	3.6kW 4stroke petrol	350	6.2	103	1200	88 41 51	55-65		
M6-EM	2.2kW/220-230V/50-60Hz	350	6.2	103	1200	78 41 49	53-73		
M6-ET 🔶	2.2kW/400-440V/50-60Hz	350	6.2	103	1200	78 41 49	53-73		
M8-BZ	4.1kW 4stroke petrol	350	8.4	140	1750	88 41 51	65-73		
M8-EM	3kW/220-230V/50-60Hz	350	8.4	140	1750	78 41 49	67-85		
M8-ET 🔶	3kW/400-440V/50-60Hz	350	8.4	140	1750	78 41 49	67-85		



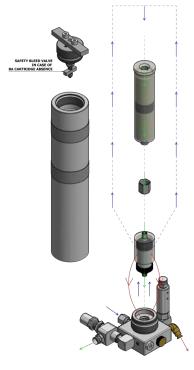
• Oil capacity: 450ml special synthetic compressor oil.

Permissible ambient temperature: +5 °C to +45 °C.

Optional: Classic Version.

Design Specifications

	M6-EM, M8-EM, M6-ET, M8-ET	M6-BZ, M8-BZ	
Start/Stop switch	•		
Micronic air inlet filter	•	•	
Pressure maintaining $\ensuremath{\mathfrak{k}}$ non return value for extended filtration	•	•	
Condensate Separator after 2nd Stage	•	•	
Combined BA Filter including Coalescing Pre-filter (0.5 mg/m ³ oil residual) and B.A. cartridge (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN12021	•	•	
Safety Bleed valve in case of BA Cartridge absence	•	•	
Large Stainless Steel Intercoolers - Aftercooler	•	•	ele
Safety Valves in all stages	•	•	licab
Kevlar filling hose (1.2m) with stainless steel fittings and DIN/INT'L connector	•	•	Vot Applicable
Hourmeter	•	•	Not
Final stage Manometer	•	•	
Manual condensate drains	•	•	—
Motor thermal overload protection	•		lal
Automatic belt tensioning system	•	•	Optional
Automatic stop system	•	•	0
Automatic start system	•		•
Automatic condensate drains with manual backups	•		-
Dual pressure filling facility, allowing 225/330 bar alternative filling	•	•	dard
Condensate collecting tank	•		Standard
1.5m air inlet hose with particle strainer	•	•	•
Special voltage/frequency: 3 x 230 V/ 60 Hz - 110 V / 60 Hz	•		



Combined Breathing Air Filter Ø 80x375

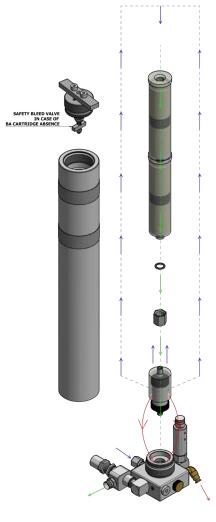






NOTUS, Paramina's new "Force" in high pressure piston compressor series. Heavy duty design for continuous operation during the day, easy-to-move, 3-staged, oil lubricated and air cooled, offering pure breathing air according to EN 12021.

NOTUS is suitable for indoor or open area installations, mobile rescue squads, fire trucks, diving boats & paintball teams. Its robust construction makes it suitable for several industrial applications as well.



Combined Breathing Air Filter Ø 80x560



Technical Data

Model	Power	Max. Pressure	FAD		FAD		RPM	Dimensions cm	Weight
		bar	m³/h	lit/min	min1	L W H	Kg		
N10-EM Open	3.7kW/220-230V/50-60Hz	350	10.2	170	1400	110 53 68	113-128		
N10-ET Open	4kW/400-440V/50-60Hz	350	10.2	170	1400	110 53 68	129-135		
N10-ET Classic	4kW/400-440V/50-60Hz	350	10.2	170	1400	115 53 74	149-155		
N10-BZ Open	4.1kW 4stroke petrol	350	10.2	170	1400	110 53 68	86		

Oil capacity: 1.2 lit special synthetic compressor oil.
 Permissible ambient temperature: +5 °C to +45 °C.

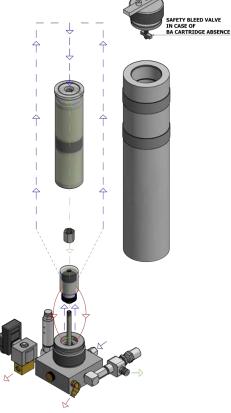
	N10-EM Open	N10-ET Open	N10-ET Classic	N10-BZ Open
Micronic Air Inlet Filter	•	•	•	•
Condensate Separator after 2nd Stage	•	•	•	•
Large Stainless Steel Intercoolers - Aftercooler in all stages	•	•	•	•
Combined BA Filter including Coalescing Pre-filter ($0.5mg/m3$ oil residual) and 2 x BA cartridges (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN 12021	•	•	•	•
Safety Bleed valve in case of BA Cartridge absence	•	•	•	•
Pressure maintaining & non-return valve for extended filtration	•	•	•	•
Start/Stop switch	•	•	•	
Motor thermal overload protection	•	•	•	
Manual Condensate Drains	•	•	•	•
Kevlar filling hose (1.2m) with stainless steel fittings and DIN/INT'L connector	•	•	•	•
Safety Valves in all stages	•	•	•	•
Final Stage manometer	•	•	•	•
Automatic belt tensioning system	•	•	•	•
Hourmeter	•	•	•	•
Automatic stop system	•	•	•	•
Automatic start system	•	•	•	
Automatic condensate drains with manual backups + Condensate collecting tank.	•	•	•	
Dual pressure filling facility, allowing 225/330bar alternative filling	•	•	•	٠
Star/Delta starter system			•	
Low oil level alarm			•	
High temperature alarm	•		•	
24VAC secondary voltage providing safety during routine operation			•	
Emergency Stop button			•	
Main Switch			•	
Remote start/stop			•	
Condensate separator after 3rd (final) stage	•	•	•	•
Interstage manometers	•	•	•	•
1.5m air inlet hose with particle strainer	•	•	•	•
Special voltage/frequency 3x230V/60Hz * 460-480V/60Hz			•	

• Standard | • Optional | • Not Applicable



"All Typhoon Electric versions provide automatic stop & automatic condensate drain facility as standard equipment."

LYPHOON



Combined Breathing Air Filter •Ø 80x560 •Ø 110x495



comprising of 15 standard models, with very low turning speed and pure breathing air according to EN 12021, making it a perfect solution for any breathing air, paintball or industrial application; i.e. fire rescue teams, military units, diving shops, paintball clubs and others.

The series consists of three versions:

- Open Framed Portable With the option of electric motor, petrol and diesel engine for exterior use.
- Classic Stationary With the option of electric motor.
- Silent With soundproof insulation enabling it to operate in areas where the noise level is of issue. Includes digital control panel driving, controlling, protecting and ensuring the safe operation of the compressor.

Technical Data

Model	Power	Max. Pressure			RPM	Dimensions cm	Weight
		bar	m³/h	lit/min	min1	LWH	Kg
Silent 15E 🖊	5.5kW/400-440V/ 50-60Hz	350/420	15	250	1100	80 98 118	244-260
Silent 18E 🝁	7.5kW/400-440V/ 50-60Hz	350/420	18/19	300/ 320	1290/ 1380	80 98 118	263-269
Open 15E 🗰	5.5kW/400-440V/50-60Hz	350	15	250	1100	109 54 71	185-191
Open 15D	6.8kW Diesel	350	15	250	1100	128 52 73	198-210
Open 15P	6.3kW 4stroke Petrol	350	15	250	1100	128 52 73	169-174
Open 18E	7.5kW/400-440V/ 50-60Hz	350	18/19	300/ 320	1290/ 1380	109 54 71	187-211
Open 18P	8.7kW 4stroke Petrol	350	18	300	1300	128 52 73	187-192
Classic 15E	5.5kW/400-440V/50-60Hz	350/420	15	250	1100	71 125 78	216-232
Classic 18E	7.5kW/400-440V/ 50-60Hz	350/420	18/19	300/ 320	1290/ 1380	71 125 78	226-247
Twin 15E	2x5.5kW/400-440V/ 50-60Hz	350	2x15	2x250	1100	134 63 172	421-437
Twin 18E	2x7.5kW/400-440V/ 50-60Hz	350	2x18	2x300	1300	134 63 172	436-456

Oil capacity: 2.2 lit special synthetic compressor oil. Permissible ambient temperature: +5 °C to +45 °C. Noise level: Silent 15E - 69 dB(A) @1m, Silent 18E - 70 dB(A) @1m.

NEW Economy Versions: Open 13ES, Open 15ES, Silent 15ES, Silent 18ES.





Classic

Star/Delta starter system•1•1•1Electric Starter/Battery fitted•1•1•1Advanced DIGITAL CONTROLLER providing operation (runnig hrs, filling pressure, operating temperature), control (start/stop/reset/menu button) & service (service hrs-alarm, records of the last 15 malfunctions) data•1•1Oil pump lubrication•1•1•1Start/Stop switch•1•1•1Motor thermal overload protection•1•1•1Automatic stop system•1•1•1Automatic collecting tank.•1•1•124V secondary voltage providing safety during routine operation•1•1Pressure maintaining û non return valve for extended filtration•1•1Condensate Separator after 2nd Stage•1•1Condensate Stel Intercoolers - Aftercooler•2•2Pressure maintaining û non return valve for extended filtration•1•1Condensate Separator after 2nd Stage•1•1Condensate Stel Intercoolers - Aftercooler•1•1Safety Bedd valve in case of BA Cartridge absence•1•1
Advanced DIGITAL CONTROLLER providing operation (running hrs, filing pressure, operating temperature), control (start/Stop/rest/menu button) & service (service hrs-alarm, records of the last 15 malfunctions) data•••••••••••••••••••••••••••••••••
(running hrs, filling pressure, operating temperature), control (start/stop/reset/menu button) is service (service hrs-alarm, records of the last 15 malfunctions) data Oil pump lubrication Start/Stop switch Start/Stop switch Motor thermal overload protection Automatic stop system Automatic stop system Automatic condensate drains with manual backups Condensate collecting tank. Pressure maintaining & non return valve for extended filtration Condensate Separator after 2nd Stage Combined BA Filter including Coalescing Pre-filter O. The requirements of EN12021 Safety Bleed valve in case of BA Cartridge absence Cartridge absence
Start/Stop switch • • • Motor thermal overload protection • • • Automatic stop system • • • Automatic stop system • • • Automatic condensate drains with manual backups + Condensate collecting tank. • • • 24V secondary voltage providing safety during routine operation • • • Emergency Stop button • • • • Micronic air inlet filter • • • • Pressure maintaining & non return valve for extended filtration • • • • Combined BA Filter including Coalescing Pre-filter (0.5 mg/m²) (it residual) and BA cartridge (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN12021 • • • Safety Bleed valve in case of BA Cartridge absence • • • • • Interstage pressure sensors providing emergency shutdown in case of overpressure • • • • Safety Valves in all stages • • • • • • Large Stainless Steel Intercooler <t< td=""></t<>
Motor thermal overload protection Image: Content of the system Automatic stop system Image: Content of the system Automatic condensate drains with manual backups Image: Content of the system Automatic condensate drains with manual backups Image: Content of the system Automatic condensate collecting tank. Image: Content of the system 24V secondary voltage providing safety during routine operation Image: Content of the system Emergency Stop button Image: Content of the system Micronic air inlet filter Image: Content of the system Pressure maintaining & non return valve for extended filtration Image: Content of the system Combined BA Filter including Coalescing Pre-filter Image: Content of the system (0.5 mg/m ²) oil residualy and BA cartridge (AC/MS + HP Image: Content of the system option), with the supply of absolutely clean air exceeding by far the requirements of EN12021 Image: Content of the system Safety Bleed valve in case of BA Cartridge absence Image: Content of the system Image: Content of the system Large Stainless Steel Intercoolers - Aftercooler Image: Content of the system Image: Content of the system Safety Valves in all stages Image: Content of the system Image: Content of the system Image: Content of the system
Automatic stop system Image: Condensate drains with manual backups + Condensate collecting tank. Automatic condensate drains with manual backups + Condensate collecting tank. Image: Condensate collecting tank. 24V secondary voltage providing safety during routine operation Image: Condensate collecting tank. 24V secondary voltage providing safety during routine operation Image: Condensate collecting tank. 24V secondary voltage providing safety during routine operation Image: Condensate collecting tank. Wicronic air inlet filter Image: Condensate Separator after 2nd Stage Condensate Separator after 2nd Stage Image: Condensate Separator after 2nd Stage Combined BA Filter including Coalescing Pre-filter Image: Condensate Separator after 2nd Stage Combined BA Filter including Coalescing Pre-filter Image: Condensate Separator after 2nd Stage Combined BA Filter including Coalescing Pre-filter Image: Condensate Separator after 2nd Stage Combined BA Filter including Coalescing Pre-filter Image: Condensate Separator (Justice State) Image: Condensate Separator Safety Bleed valve in case of BA Cartridge absence Image: Condensate Separator Large Stainless Steel Intercoolers - Aftercooler Image: Condensate Separator Safety Valves in all stages Image: Condensate Separator In
Automatic start system Image: Start System Automatic condensate drains with manual backups Image: Start System 24V secondary voltage providing safety during routine operation Image: Start System Emergency Stop button Image: Start System Micronic air inlet filter Image: Start System Pressure maintaining & no return valve for extended filtration Image: Start System Condensate Separator after 2nd Stage Image: Start System Combined BA Filter including Coalescing Pre-filter Image: Start System (0, 5) mg /m² oil residual) and BA cartridge (AC/MS + HP Image: Start System (0, 5) mg /m² oil residual) and BA cartridge (AC/MS + HP Image: Start
Automatic condensate drains with manual backups Condensate collecting tank. 24V secondary voltage providing safety during routine operation Emergency Stop button Emergency Stop button Micronic air inlet filter Pressure maintaining & non return valve for extended filtration Condensate Separator after 2nd Stage Combined BA Filter including Coalescing Pre-filter (0.5 mg/m² oil residual) and BA cartridge (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN12021 Safety Bleed valve in case of BA Cartridge absence Earge Stainless Steel Intercoolers Safety Valves in all stages Interstage pressure sensors providing emergency shutdown in case of overpressure 2 Kevlar filting hoses (1.2m each) with stainless steel fittings and DIN/INT'L connectors Lever operated on/off filting valves with automatic ventilation Soundproof insulation ensuring very low noise level Dual pressure filting facility, allowing 225/330 bar simultaneous filting resultare supplator Micronectors Micronectors
+ Condensate collecting tank. • • • • • • • • • • • • • • • • • • •
operationEmergency Stop button•Micronic air inlet filterPressure maintaining & non return valve for extended filtrationCondensate Separator after 2nd StageCombined BA Filter including Coalescing Pre-filter (0.5 mg/m² oil residual) and BA cartridge (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN12021Safety Bleed valve in case of BA Cartridge absenceLarge Stainless Steel Intercoolers - AftercoolerSafety Valves in all stagesInterstage pressure sensors providing emergency shutdown in case of overpressure2 Kevlar filling hoses (1.2m each) with stainless steel fittings and DIN/INT'L connectorsLever operated on/off filling valves with automatic ventilationSoundproof insulation ensuring very low noise levelDual pressure filling facility, allowing 225/330 bar simultaneous filling via pressure regulatorRemote Start/Stop - Remote Load/UnloadInterstage/Final stage ManometersHourmeterHigh Temperature alarmLow Oil level alarmFinal stage Condensate SeparatorSpecial Voltage/Frequency: 230V/50Hz-60Hz *Special Voltage/Frequency: 230V/50Hz-60Hz *
Micronic air inlet filter • • • Pressure maintaining & non return valve for extended filtration • • • Condensate Separator after 2nd Stage • • • • Combined BA Filter including Coalescing Pre-filter (0.5 mg/m) oil residual) and BA cartridge (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN12021 •2 <t< td=""></t<>
Pressure maintaining & non return valve for extended filtration Pressure maintaining & non return valve for extended filtration Condensate Separator after 2nd Stage Combined BA Filter including Coalescing Pre-filter (0.5 mg/m³ oil residual) and BA cartridge (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN12021 Safety Bleed valve in case of BA Cartridge absence Large Stainless Steel Intercoolers - Aftercooler Safety Valves in all stages Interstage pressure sensors providing emergency shutdown in case of overpressure 2 Kevlar filling hoses (1.2m each) with stainless steel fittings and DIN/INT'L connectors Lever operated on/off filling valves with automatic ventilation Soundproof insulation ensuring very low noise level Dual pressure filling facility, allowing 225/330 bar simultaneous filling via pressure regulator Remote Start/Stop - Remote Load/Unload Interstage/Final stage Manometers Hourmeter High Temperature alarm Low Oil level alarm Final stage Condensate Separator Special Voltage/Frequency: 230V/50Hz-60Hz *
Condensate Separator after 2nd Stage • • • Combined BA Filter including Coalescing Pre-filter (0.5 mg/m³ oil residual) and BA cartridge (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN12021 •2
Combined BA Filter including Coalescing Pre-filter (0.5 mg/m³ oil residual) and BA cartridge (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN12021 •2 •
(0.5 mg/m³ oil residual) and BA cartridge (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN12021 Safety Bleed valve in case of BA Cartridge absence Large Stainless Steel Intercoolers - Aftercooler Safety Valves in all stages Safety Valves in all stages Safety filing hoses (1.2m each) with stainless steel fittings and DIN/INT'L connectors Lever operated on/off filling valves with automatic ventilation Soundproof insulation ensuring very low noise level Sundproof insulation ensuring very low noise level Senter Start/Stop - Remote Load/Unload Senter Start/Stop - Remote Load/Unload Sundproof insulating stage Manometers Senter Start/Stop - Remote Load/Unload Senter Start/Stop - Remote Load/Senter Senter Sente Senter Senter Senter Senter Senter Senter Senter Sent
Large Stainless Steel Intercoolers - Aftercooler • • • Safety Valves in all stages • • • • Interstage pressure sensors providing emergency shutdown in case of overpressure • • • • 2 Kevlar filling hoses (1.2m each) with stainless steel fittings and DIN/INT'L connectors • • • • Lever operated on/off filling valves with automatic ventilation • • • • Soundproof insulation ensuring very low noise level • • • • Dual pressure filling facility, allowing 225/330 bar simultaneous filling via pressure regulator • • • Remote Start/Stop - Remote Load/Unload • • • • Interstage/Final stage Manometers • • • • High Temperature alarm • • • • • Low Oil level alarm • • • • • • Final stage Condensate Separator • • • • • •
Safety Valves in all stages Interstage pressure sensors providing emergency shutdown in case of overpressure 2 Kevlar filling hoses (1.2m each) with stainless steel fittings and DIN/INT'L connectors Lever operated on/off filling valves with automatic ventilation Soundproof insulation ensuring very low noise level Dual pressure filling facility, allowing 225/330 bar simultaneous filling via pressure regulator Remote Start/Stop - Remote Load/Unload Interstage/Final stage Manometers Hourmeter High Temperature alarm Low Oil level alarm Final stage Condensate Separator Special Voltage/Frequency: 230V/50Hz-60Hz *
Interstage pressure sensors providing emergency shutdown in case of overpressure 2 Kevlar filling hoses (1.2m each) with stainless steel fittings and DIN/INT'L connectors Lever operated on/off filling valves with automatic ventilation Soundproof insulation ensuring very low noise level Dual pressure filling facility, allowing 225/330 bar simultaneous filling via pressure regulator Remote Start/Stop - Remote Load/Unload Interstage/Final stage Manometers Hourmeter High Temperature alarm Low Oil level alarm Final stage Condensate Separator Special Voltage/Frequency: 230V/50Hz-60Hz *
shutdown in case of overpressure 2 Kevlar filling hoses (1.2m each) with stainless steel fittings and DIN/INT'L connectors Lever operated on/off filling valves with automatic ventilation Soundproof insulation ensuring very low noise level Dual pressure filling facility, allowing 225/330 bar simultaneous filling via pressure regulator Remote Start/Stop - Remote Load/Unload Interstage/Final stage Manometers High Temperature alarm Low Oil level alarm Final stage Condensate Separator Special Voltage/Frequency: 230V/50Hz-60Hz *
fittings and DIN/INT'L connectors Lever operated on/off filling valves with automatic ventilation Soundproof insulation ensuring very low noise level Dual pressure filling facility, allowing 225/330 bar simultaneous filling via pressure regulator Remote Start/Stop - Remote Load/Unload Remote Start/Stop - Remote Load/Unload Interstage/Final stage Manometers Interstage/Final stage Manometers Indurmeter High Temperature alarm Low Oil level alarm Final stage Condensate Separator Special Voltage/Frequency: 230V/50Hz-60Hz *
Soundproof insulation ensuring very low noise level Image: Soundproof insulation ensuring very low noise level Image: Soundproof ensure regulator Image: Soundproof ensure rege: Soundproof ensure regulator
Dual pressure filling facility, allowing 225/330 bar
simultaneous filling via pressure regulator Remote Start/Stop - Remote Load/Unload Interstage/Final stage Manometers Hourmeter High Temperature alarm Low Oil level alarm Final stage Condensate Separator Special Voltage/Frequency: 230V/50Hz-60Hz *
Interstage/Final stage Manometers Hourmeter High Temperature alarm Low Oil level alarm Final stage Condensate Separator Special Voltage/Frequency: 230V/50Hz-60Hz *
Hourmeter Hourmeter High Temperature alarm Low Oil level alarm Final stage Condensate Separator Special Voltage/Frequency: 230V/50Hz-60Hz *
High Temperature alarm
Low Oil level alarm
Final stage Condensate Separator
Special Voltage/Frequency: 230V/50Hz-60Hz *
3x230V/60Hz * 460-480V/60Hz
Voltage failure and Phase Rotation Safety device
Automatic belt tensioning system
1.5m air inlet hose with particle strainer \diamond \bullet \diamond





Combined Breathing Air Filter Ø 110 x 495

• Oil capacity: 2.3 lit special synthetic compressor oil.

• Permissible ambient temperature: +5 °C to +50 °C.

	Typhoon Classic 18E TROPICAL	Typhoon Classic 18D TROPICAL
Star/Delta starter system	•	
Electric Starter/Battery fitted		•
Advanced DIGITAL CONTROLLER providing operation (running hrs, filling pressure, operating temperature), control (start/stop/reset/menu button) & service (service hrs-alarm, records of the last 15 malfunctions) data	•	1.1
Oil pump lubrication	•	•
Lifting eyebolts for easier transportation	•	•
Galvanized & powder Coated frame and covers	•	•
Maintenance Vibration Hourmeter	•	•
Carbon Monoxide (CO) monitoring / alarm system	•	•
Hydrogen Sulfide (H2S) monitoring / alarm system	•	•
Humidity (H2O) monitoring / alarm system	•	•
Voltage Failure & Phase Rotation Safety Device	•	•
Start/Stop switch	•	•
Motor thermal overload protection	•	
Automatic stop system	•	•
Automatic start system	•	
Automatic condensate drains with manual backups	•	•
24V secondary voltage providing safety during routine operation	•	
Emergency Stop button	•	
Micronic air inlet filter	•	•
Pressure maintaining & non return valve for extended filtration	•	•
Condensate Separators in all stages	•	•
Combined BA Filter including Coalescing Pre-filter (0.5 mg/m3 oil residual) and BA cartridge (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN12021	•	•
Safety Bleed valve in case of BA Cartridge absence	•	•
Large Stainless Steel Intercoolers - Aftercooler	•	•
Safety Valves in all stages	•	•
Interstage pressure sensors providing emergency shutdown in case of overpressure	•	
2 Kevlar filling hoses (1.2m each) with stainless steel fittings and DIN/INT'L connectors	•	•
Lever operated on/off filling valves with automatic ventilation	•	•
Dual pressure filling facility, allowing 225/330 bar simultaneous filling via pressure regulator	•	•
Remote Start/Stop - Remote Load/Unload	♦	
Interstage/Final stage Manometers	•	•
High Temperature alarm	•	•
Low Oil level alarm	•	•
Condensate collecting tank	•	•
Special Voltage/Frequency: 230V/50Hz-60Hz * 3x230V/60Hz * 460-480V/60Hz	•	•
Automatic belt tensioning system	•	•
1.5m air inlet hose with particle strainer	•	•

Standard |
 Optional |
 Not Applicable

"All Cyclone models are fully automated and provide 4-stages compression"

CYCLONE, the Silent Force. 4-staged, air cooled, high pressure piston compressor, combining low turning speed operation, soundproof insulated doors, optimum cooling system, and easy-to-use digital control panel, providing smooth, safe, quiet and long life operation. Easy access through large openings ensuring quick maintenance.

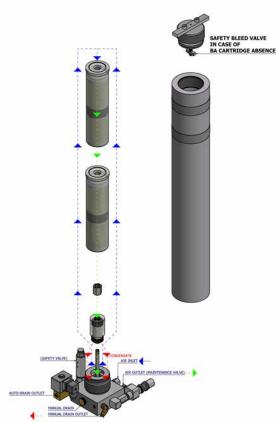
The multi stage purification system guarantees absolute clean air, making it applicable in numerous breathing air sectors including fish farms, military, fire brigades and diving centers.

Technical Data

Model	Power	Max. Pressure	FAD		FAD		FAD		RPM	Dimensions cm	Weight
		bar	m³/h	lit/min	min1	L W H	Kg				
Silent 24E	7.5kW/400-440V /50-60Hz	350/420	24	400	700	81 124 178	498-510				
Silent 30E	11kW/400-440V /50-60Hz	350/420	30	500	900	81 124 178	549-556				
Silent 36E	15kW/400-440V /50-60Hz	350/420	36	600	1000	81 124 178	551-585				

•

Oil capacity: 2.8 lit special synthetic compressor oil. Permissible ambient temperature: +5 °C to +45 °C. Noise level: C. Silent 24 - 72 dB(A) @1m, C. Silent 30 - 73 dB(A) @1m, C. Silent 36 - 75 dB(A) @1m.



Combined Breathing Air Filter Ø 110 x 725





	CYCLONE 24	CYCLONE 30	CYCLONE 36
Star/Delta starter system	•	•	•
Advanced DIGITAL CONTROLLER providing operation (running hrs, filling pressure, operating temperature), control (start/stop/reset/menu button) & service (service hrs-alarm, records of the last 15 malfunctions) data	•	•	•
Oil pump lubrication	•	•	•
Automatic control of start/stop system	•	•	•
Automatic condensate drains with manual backups + Condensate collecting tank	•	•	•
24V secondary voltage providing safety during routine operation	•	•	٠
Emergency Stop button	•	•	•
Main Switch	•	•	٠
Micronic air inlet filter	•	•	•
Pressure maintaining & non return valve for extended filtration	•	•	٠
Condensate Separators after 1st, 2nd, 3rd and final stage	•	•	•
Combined BA Filter including Coalescing Pre-filter (0.5 mg/m ^{3} oil residual) and 2 large BA cartridges (AC/MS + HP option), with the supply of absolutely clean air exceeding by far the requirements of EN12021	•	•	•
Safety Bleed valve in case of BA Cartridge absence	•	•	•
High efficiency aluminium cooler (1st & 2nd stage)	•	•	٠
Large Stainless Steel Intercooler - Aftercooler (3rd & 4th stage)	•	•	•
Safety Valves in all stages	•	•	٠
Interstage pressure sensors providing emergency shutdown in case of overpressure	•	•	•
Secondary large fan with independent electric motor for optimum cooling (630mm diam.)	•	•	•
5 Kevlar filling hoses (1.2m each) with stainless steel fittings and DIN/INT'L connectors	•	•	•
Lever operated on/off filling valves with automatic ventilation	•	•	٠
Soundproof insulation ensuring very low noise level	•	•	•
Dual pressure filling facility, allowing 225/330 bar simultaneus filling via pressure regulator	•	•	•
Remote Start/Stop - Remote Load/Unload	•	•	•
Interstage/Final stage Manometers	•	•	•
High Temperature alarm	•	•	•
Low Oil level alarm	•	•	٠
Special Voltage/Frequency: 230V/50-60Hz * 3x230V/60Hz * 460-480V/60Hz	•	•	•
Voltage failure and Phase Rotation Safety device	•	•	•
Automatic belt tensioning system	•	•	•



● Standard | ♦ Optional



"Tailor-made solutions for each individual Gas installation"

High-pressure piston **GAS** compressors, suitable for **NITROGEN (N₂), Helium (He) & Argon (Ar)** applications; Compact or Silent, 3+4-staged, air cooled, oil lubricated, with Zero Loss drain system.

Technical Data

. e e n n e e u i	Jata					
Model	Power	Max. Pressure	FAD		Dimensions cm	Weight
		bar	m³/h	lit/min	LWH	Kg
Mistral M6-ET Classic	2.2kW/400- 440V/50-60Hz	350	6.6	110	94 55 70	120
Notus N10-ET Classic	4kW/400-440V/ 50-60Hz	350	10.2	170	110 55 68	146
Typhoon Classic 18E	7.5kW/400- 440V/50-60Hz	350	19.2	320	71 125 78	250-261
Typhoon Silent 18E	7.5kW/400- 440V/50-60Hz	350	19.2	320	80 98 118	280
Cyclone Silent 30E	11kW/400- 440V/50-60Hz	350	30	500	81 124 178	567-582
Cyclone Silent 36E	15kW/400- 440V/50-60Hz	350	36	600	81 124 178	594-603



Mistral Gas

<image><image>

Inlet Solenoid valve	
Inlet Pressure regulator	
2 x Inlet pressure safety valves	
Inlet Pressure Manometer	
Inlet Pulsation chamber	
Inlet Safety Pressure Switch	
Inlet Vacuum Safety Pressure Switch	
Oversized Stainless Steel Intercoolers & Aftercooler	in all stages for optimum cooling
Advanced Design Cylinder Heads for optimum heat of	discharge
Safety Valves in all stages	
Interstage and Final stage Condensate Separators	
Final Gas Purification Filter, including coalescing pr 2x large AC/MS cartridges	efilter (0.5 mg/m ³ oil residual) and
Large fan for high efficiency cooling of cylinders, int the compressor capable for continuous operation	tercoolers & aftercoolers, making
Secondary fan with independent electric motor for o Cyclone Silent model)	extra cooling (available only for
Zero Loss Automatic Condensate Drain system via co back inside compressor's crankcase	ondensate return piping system,
Star/Delta starter system	
24V secondary voltage providing safety during routin	ne operation
Main Switch	
Emergency Stop button	
Advanced DIGITAL CONTROLLER (available only for T Silent models)	Typhoon Silent and Cyclone
Automatic Start/Stop system at the desirable pressu	ıre
Interstage pressure control with pressure sensors in Typhoon Silent and Cyclone Silent models)	all stages (available only for
High temperature alarm & shutdown error	
Oil pump lubrication (Optional)	
Low Oil level sensor alarm & shutdown error	
Hourmeter	
Motor thermal overload protection	
Voltage failure and Phase Rotation Safety device	
Interstage and Final Stage Manometers	
Built-In Vibration Pads	
Non return valve before the outlet	

Non return valve before the outlet

Automatic belt tensioning system

Soundproof insulation (available only for Typhoon Silent and Cyclone Silent models)









Cyclone Gas

MIDDLE PRESSURE COMPRESSORS

Middle-pressure piston compressors, suitable for any INDUSTRIAL application; Open Framed, 2-staged, air cooled, oil lubricated. Models: Mistral & Typhoon.

Technical Data

Model	Power	Max. Pressure	FAD		FAD Dimensions cm		
		bar	m³/h	lit/min	L W	Н	Kg
Mistral M6-ET 40b	2.2kW/400- 440V/50-60Hz	40	10	166	74 40	48	60
Typhoon Open 15E 40b	5.5kW/400- 440V/50-60Hz	40	24	400	109 54	71	185-190
Typhoon Open 18E 40b	7.5kW/400- 440V/50-60Hz	40	30	500	109 54	71	190-195





REFRIGERATED DRYER "CRYO"

Model	Power	Max. Working Pressure	Capacity		Dimensions cm			Weight
		bar	m³/h	lit/min	L	W	н	Kg
HPRD600	230V AC / 50-60Hz	350/420	36	600	53	58	48	43

•

+3 °C dew point. R134a CFC Free refrigerant. •

HPRD 600



HUMIDITY CONTROL SYSTEM

Model	Power	Max. Working Pressure	Din	Weight		
		bar	L	W	Н	Kg
HC	230VAC 50-60Hz or 24VAC 50-60Hz or 24VDC	420	12.3	20	11.2	2.2

Accurate humidity sensor in stainless steel chamber.

Central monitoring unit with digital display.



AUXILIARY

STORAGE SYSTEMS

- Powder coated steel frame
 - 50/80 lit. Cylinders •
- Working Pressure up to 450 bar $\,\cdot\,$
 - Custom design availability •



FILTER PANELS

- Wall mounted powder coated steel frame
- BA Filter(s) (Coalescing Prefilter & BA cartridges)
- Manual and/or Automatic condensate drains

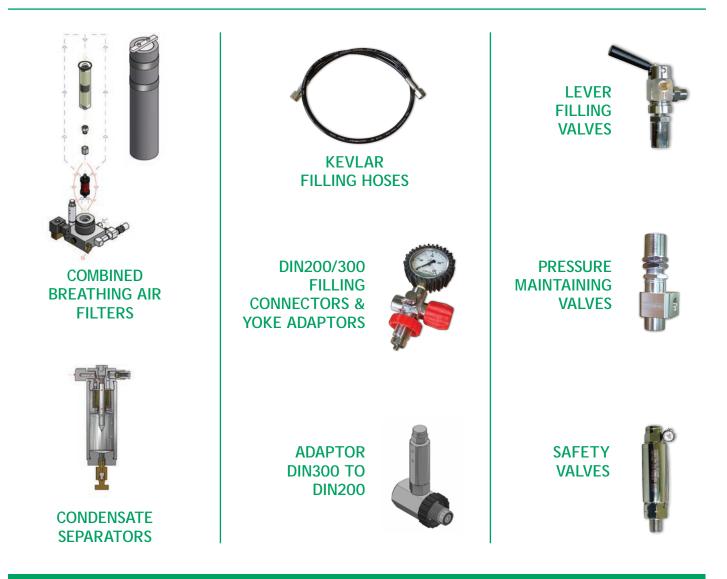
FILLING PANELS

- Breathing air filling panels •
- Automatic priority filling panels
 - Paintball filling panels •
 - Custom design availability •





- Kevlar filling hoses with lever operated filling valves
- Dual pressure filling facility 225/330 bar
- Powder coated steel frame





We are proud of our consistent

- ✓ Product Quality
- ✓ Experience
- \checkmark Specialization
- ✓ Reliability

now spanning over 50 years!



EN ISO 9001:2015 No.: 01013354



Byway Evagelistrias str., 19300 Aspropirgos, Greece Tel: +30 210 5575860-1, Fax: +30 210 5575868 www.paramina-compressors.com info@paramina.gr paralos