

MARK



ROTARY SCREW COMPRESSOR
MSA Tank Dry 5,5 - 7,5 - 11 - 15 kW

TECHNOLOGY YOU CAN TRUST

A Complete System ...

MSA TANK and MSA DRY are two industrial options for compressed air production. They are compact, pre-assembled and ready for use.

Designed for small and medium-scale industrial needs. Ideal where space is limited or close proximity to the work site is required.



TYPICAL MSA DRY SET-UP

The **MSA TANK** primarily comprises:

- ① MSA
- ② horizontal air receiver

Atmospheric air compressed by the compressor is collected in the air receiver.

The condensate produced can be drained through a valve at the bottom of the air receiver.

The **MSA DRY** consists principally of:

- ① MSA
- ② horizontal air receiver
- ③ FMO pre-filter
- ④ MDX refrigerant type air dryer
- ⑤ FMM efficiency oil removal filter
- ⑥ centralized condensate draining system.

Atmospheric air is compressed by the compressor and stored in the air receiver, then filtered and dried before entering the air network.

Condensates formed during the various compressed air treatment phases are automatically drained.

MSA TANK

A rotary screw compressor unit assembled on a fixed horizontal air receiver, available in:

- two versions : 340 and 500 liters
- three pressures : 8 - 10 - 13 bars
- twentytwo models : from 5,5 to 15 kW

MSA compressor ①

Rotary screw compressor with high yield, high reliability and low noise-level. Field-tested and proven in a wide variety of situations.

A standard unit with:

- Oil injected compressor with an asymmetrical screws profile.
- Enclosed IP-54 electric motor with Class F insulation.
- Combined air/air and air/oil cooler with a large surface area, ensuring low delivery air temperature and correct lubricating oil temperature.

- Oil vessel with triple-action air/oil separator cartridge maximum filtering efficiency.

- Lockable, enclosed control panel, featuring:
 - automatic ASD startup with top-quality components tested under exacting conditions
 - ES 3000 controller capable of managing and controlling all compressor functions through an intelligent shut-down.
 - main on/off and emergency stop switch

- Soundproofing fairing in painted steel with:
 - easily removable panels for faster maintenance
 - vents for cooling air entrance and exit
 - easily removable filtering panel for pre-filtering of compressor ventilation air.

Further details in MSA leaflet.



Air Receive ②

Made of steel panels horizontally mounted on a fixed base, built and inspected according to current EEC regulations.

Sturdy structure allows all components to be assembled without affecting the tank's stability.

Specially designed base allows the unit to be lifted from any of its four sides with a forklift or standard pallet truck.

MARK provides silenced electrocompressors from 15 kW with tanks from 500 l, occupying only 1.13 m² of space.

MSA DRY

A unit for the compression, drying and filtering of compressed air, assembled on a fixed, horizontal air receiver. Available in:

- two versions : 340 and 500 liters
- three pressures : 8 - 10 - 13 bars
- twentytwo models : from 5,5 to 15 kW

for delivery of dried and filtered compressed air in conformity with ISO 8573-1 Classes 1-1-4.



Condensate Removal ⑥

All condensates formed during the various air treatment phases are collected and drained using a programmable electronic system.



The condensates contain oil, and must be treated according to local regulations.

MDX dryer ④

for removing condensate in compressed air according to European environmental directives. Uses R134a ecological gas.

A dryer featuring:

- low dewpoint,
- lower maintenance,
- high reliability.

Pre-Filter ③

General purpose protection for the air dryer, for improved reliability and efficiency.



After-Filter ⑤

High efficiency oil removal.

Cleaner air results in:

- Lower maintenance costs for distribution network, machinery and pneumatic tools,
- Energy savings through reduced in-line pressure drops,
- Improved productivity due to fewer breakdowns,
- Better final product quality.

A compressed air production, drying and filtering system with 15 kW motor and a 500-liter tank only occupies 1.13 m².

... With many Customer Benefits

Compact

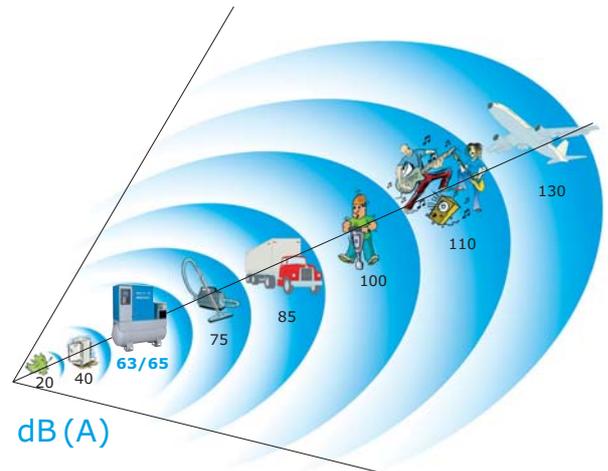
A complete compressed air generation and treatment system pre assembled and ready to use in a compact and space efficient package.

Silent running

Noise is no longer a problem. Thanks to proven MSA compressors, vibration-free operation and efficient cooling air flow, reducing noise emissions to only

63/65 dB(A)

This allows the unit to be installed close to working areas and offices.

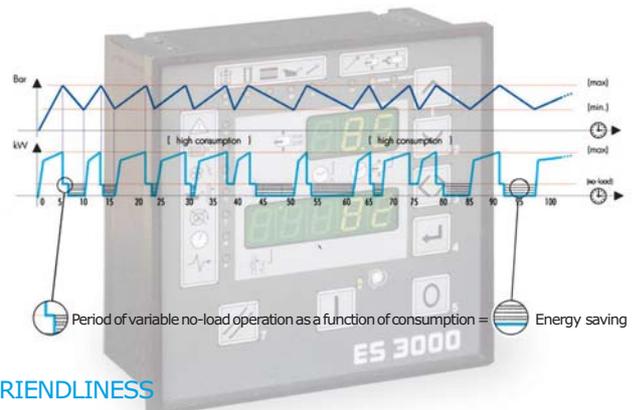


Economical

The direct-reading ES 3000 electronic regulator makes it possible to:

- manage all running operations,
- perform machine control and regulation,
- monitor irregularities,
- stop the compressor in the event of emergency,
- view the data on the machine's maintenance program.

- Reduced energy cost = **INCREASED SAVINGS**
- Reduced energy consumption = **INCREASED ENVIRONMENTAL FRIENDLINESS**



Easy maintenance

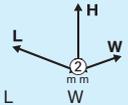
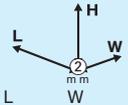
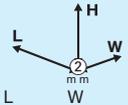
- Three panels for access to all compressor components,
- oil level visible from outside,
- internal components easily accessible to facilitate all maintenance operations.

Easy to transport

Thanks to their compact dimensions and the air receivers specially designed support base, the units can easily be transported with a standard pallet truck. The units' mobility also facilitates easy installation.



TECHNICAL DATA (ACCORDING TO ISO 1217 AND CAGI PNEUROP PN8NTC2)

Type	 bar	 psi	 HP	 kW	 m³/min	 m³/h	 cfm	 dB (A)	 L	 W	 H	 kg ② Kg	 type	 type ③	 FM0/FMM type	 litres ①
MSA TANK ④																
MSA 5,5/8 - 500	8	116	7,5	5,5	0,790	47,4	27,9	64	1750	670	1750	370	MSA 5,5/8	-	-	500
MSA 5,5/10 - 500	10	145	7,5	5,5	0,630	37,8	22,3	64	1750	670	1750	370	MSA 5,5/10	-	-	500
MSA 7,5/8 - 500	8	116	10	7,5	1,120	67,2	39,6	64	1750	670	1750	390	MSA 7,5/8	-	-	500
MSA 7,5/10 - 500	10	145	10	7,5	1,000	60,0	35,3	64	1750	670	1750	390	MSA 7,5/10	-	-	500
MSA 7,5/13 - 500	13	188	10	7,5	0,790	47,4	27,9	64	1750	670	1750	390	MSA 7,5/13	-	-	500
MSA 11/8 - 500	8	116	15	11	1,620	97,2	57,2	63	1750	670	1750	405	MSA 11/8	-	-	500
MSA 11/10 - 500	10	145	15	11	1,400	84,0	49,5	63	1750	670	1750	405	MSA 11/10	-	-	500
MSA 11/13 - 500	13	188	15	11	1,210	72,6	42,8	63	1750	670	1750	405	MSA 11/13	-	-	500
MSA 15/8 - 500	8	116	20	15	2,000	120,0	70,7	65	1750	670	1750	410	MSA 15/8	-	-	500
MSA 15/10 - 500	10	145	20	15	1,790	107,4	63,3	65	1750	670	1750	410	MSA 15/10	-	-	500
MSA 15/13 - 500	13	188	20	15	1,470	88,2	51,9	65	1750	670	1750	410	MSA 15/13	-	-	500
MSA DRY ④																
MSA 5,5/8 - 500 D	8	116	7,5	5,5	0,790	47,4	27,9	64	1750	670	1750	410	MSA 5,5/8	MDX900	20	500
MSA 5,5/10 - 500 D	10	145	7,5	5,5	0,630	37,8	22,3	64	1750	670	1750	410	MSA 5,5/10	MDX900	20	500
MSA 7,5/8 - 500 D	8	116	10	7,5	1,120	67,2	39,6	64	1750	670	1750	435	MSA 7,5/8	MDX1200	20	500
MSA 7,5/10 - 500 D	10	145	10	7,5	1,000	60,0	35,3	64	1750	670	1750	435	MSA 7,5/10	MDX1200	20	500
MSA 7,5/13 - 500 D	13	188	10	7,5	0,790	47,4	27,9	64	1750	670	1750	435	MSA 7,5/13	MDX1200	20	500
MSA 11/8 - 500 D	8	116	15	11	1,620	97,2	57,2	63	1750	670	1750	455	MSA 11/8	MDX1800	20	500
MSA 11/10 - 500 D	10	145	15	11	1,400	84,0	49,5	63	1750	670	1750	455	MSA 11/10	MDX1800	20	500
MSA 11/13 - 500 D	13	188	15	11	1,210	72,6	42,8	63	1750	670	1750	455	MSA 11/13	MDX1800	20	500
MSA 15/8 - 500 D	8	116	20	15	2,000	120,0	70,7	65	1750	670	1750	460	MSA 15/8	MDX1800	20	500
MSA 15/10 - 500 D	10	145	20	15	1,790	107,4	63,3	65	1750	670	1750	460	MSA 15/10	MDX1800	20	500
MSA 15/13 - 500 D	13	188	20	15	1,470	88,2	51,9	65	1750	670	1750	460	MSA 15/13	MDX1800	20	500

- Sizes and weights without packaging

① Also available with 340 liter tank

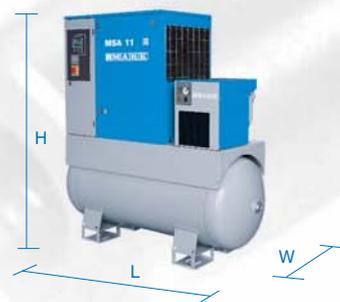
② Variations for 340 liter tank:

- weight reduced to 35 kg
- depth reduced to 20 mm
- height reduced to 65 mm

③ On request, MSA DRY units can be supplied with dryers adapted for extreme environmental conditions

④ Also available Inverter version (except 5,5 kW)

Our products are under constant development. We therefore reserve the right to make any product changes deemed



According to

