

HIGH PRESSURE BOOSTERS



NITROGEN MCH - BOOSTER FOR HIGH-PRESSURE APPLICATIONS

NITROGEN MCH series is a range of boosters for the compression of air, nitrogen and technical gases up to 300bar. Compact, efficient and reliable, they are the ideal solution for filling cylinders or cylinder bundles.

Each booster is equipped with an external filtering system with two activated carbon filters, which always guarantee maximum purity even for the most demanding applications (eg. laser cutting). Furthermore, an enhanced cooling system makes the NITROGEN MCH series boosters also suitable for **INTENSIVE USE** in hot, poorly ventilated or tropical environments. All pumping units are equipped with electrical panel and pressure monitoring system for automatic shutdown and re-start.



TECHNICAL FEATURES

- High pressure lubricated piston compressor
- Compatible with air, nitrogen, technical gases
- Inlet pressure from 2 to 8 bar
- Discharge pressure up to 200 or 300bar
- Double filtration with activated carbon
- Automatic start and stop function
- Fully removable cabinet

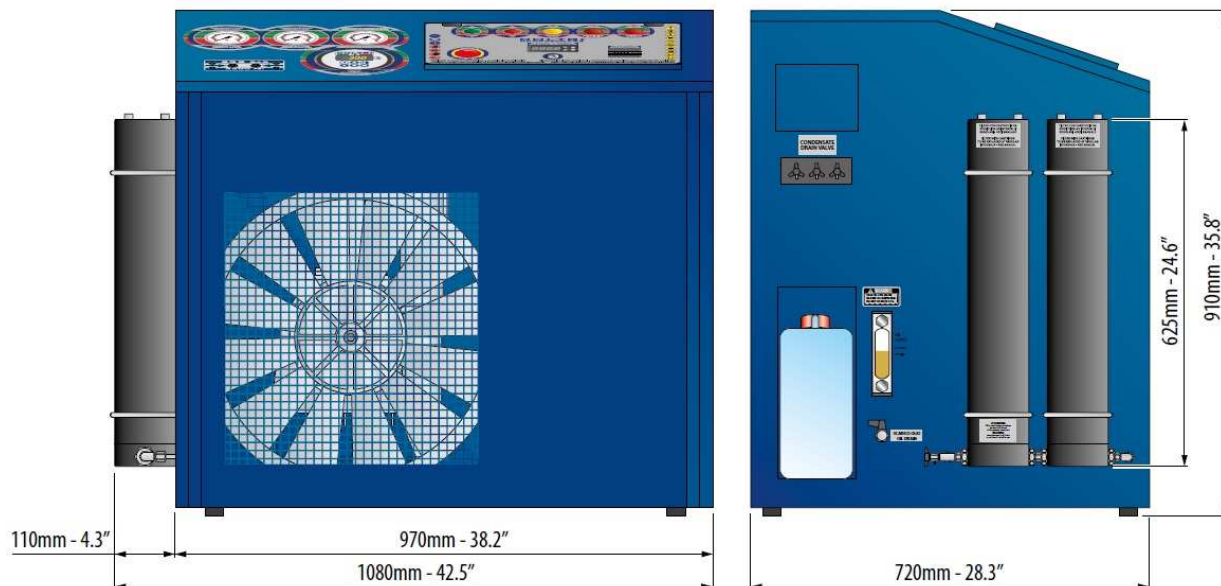
APPLICATIONS

- Technical gas high pressure storage
- Laser cutting of metals
- Thermal treatments of ferrous and non-ferrous metals
- Food packaging storage (MAP)
- Pest control and fire prevention in silos and food warehouses
- Inertization of chemical and pharmaceutical products
- Inertization of flammable material deposits
- Spray metallization and sintering of metal powders
- PCB re-flow and wave-soldering
- Bottling and tapping of beer, wine and juices
- Tire vulcanization
- Aluminum degassing



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DIMENSIONS



TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	MODEL		
	MCH-4	MCH-5	MCH-7
Dimensions LxPxA [mm]	1080x720x910	1080x720x910	1080x720x910
Weight [kg]	170	170	210
Inlet pressure [bar-g]	2 - 8	2 - 8	2 - 8
Discharge pressure [bar-g]	200 - 300	200 - 300	200 - 300
Flowrate max. [Nm ³ /h]	14	21	26
Connections inlet/outlet	1/2"GF - 7/16"UNF	1/2"GF - 7/16"UNF	1/2"GF - 7/16"UNF
Power [kW]	4,0	5,5	7,5
Power supply	400V / 50Hz / 3P	400V / 50Hz / 3P	400V / 50Hz / 3P
Noise level [dB]	70	70	70
Transmission	Belt	Belt	Belt
Cooling	Air	Air	Air

TYPICAL INSTALLATION LAY-OUT

