

# CNG COMPRESSOR COMPARISON



DATA	GALILEO	OTHER GUYS
<b>Safety</b>	<i>Microbox designed to only run in safe mode, doors closed and locked</i>	<i>No other model has these features</i>
<b>Safety</b>	<i>Compressor will only operate a brief time with door open and only after a password has been entered into the CPU</i>	<i>No other model has these features</i>
<b>Fire Suppression</b>	<i>On board fire extinguisher system monitored by PLC. If charge in fire extinguisher gets low, CPU shuts it down.</i>	<i>No other model has these features</i>
<b>Fire Suppression</b>	<i>Microbox has an on board heat sensor to trigger fire suppression system. CO2 used to minimize cleanup</i>	<i>No other model has these features</i>
<b>Parts Availability</b>	<i>Compressor manufacturer's recommended parts list stocked by U.S. trained service provider</i>	<i>Parts not always stocked and may have long lead times</i>
<b>Delivery times</b>	<i>Equipment Available 90 to 120 days</i>	<i>Know of at least one situation where delivery is more than 52 weeks</i>
<b>Cabinet</b>	<i>Explosion proof cabinet—video available showing how cabinet contains any explosion</i>	<i>Cabinets are not explosion proof</i>
<b>Component Integration</b>	<i>Components are designed as a package and integrated prior to deliver to the site</i>	<i>Components come from different manufacturers and have to be integrated at the site</i>
<b>Installation</b>	<i>Since compressor system is delivered as a complete package, construction time is reduced</i>	<i>Compressor components must be individually installed and integrated lengthening construction time</i>
<b>Warranty</b>	<i>If customer buys service package they receive an extended 5 year warranty including parts and service</i>	<i>One year warranty, no service</i>
<b>Enersave</b>	<i>"Smart" Enersave system learns daily compressor duty cycle and adjusts run time of compressor to minimize energy use. Power savings estimated at 30%</i>	<i>Run time based solely on usage—no power saving feature.</i>
<b>Overhauls</b>	<i>approximately 8000 hours</i>	<i>Typically 5000 hours</i>
<b>Oil Change</b>	<i>2000 hours</i>	<i>2000 hours</i>

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<b>Oil Collection</b>	<i>Oil is removed during each stage of compression and stored in a vessel which is not pressurized so that oil can be removed as a liquid.</i>	<i>Oil storage vessel is pressurized releasing vaporized oil when it is opened.</i>
<b>Ball Valves</b>	<i>Special Galileo designed ball valves with longer life-outlast Hoke and Swedgelock</i>	<i>Hoke and Swedgelock</i>
<b>Force Feed lubrication system</b>	<i>Over pressuring is self resetting-no service call required</i>	<i>Over pressuring uses a burst disk which requires a service call to replace</i>
<b>Force feed flow sensor</b>	<i>Special Sensor monitors cyclinder lubrication flow; uses same lubricant as in the crankcase</i>	<i>No monitor</i>
<b>Interstage water removal system</b>	<i>Unique interstage water removal system removes water at each stage of compression; Can be used in conjunction with suction side dryer-will protect compressor when suction side dryer is in bypass mode for regeneration.</i>	<i>Suction side dryer only</i>
<b>Parts interchangeability</b>	<i>Parts on compressor are interchangeable; e.g. cylinders can be exchanged between low and high side</i>	<i>Parts are not interchangeable</i>
<b>Replaceable sleeves for cyclinders</b>	<i>Replaceable sleeve eliminates re-sleeving cylinder</i>	<i>Have to remove cylinder and take it to a third party to be resleeved</i>
<b>Cooling Air Sensor</b>	<i>Sensor monitors inlet cooling air to ensure that there is sufficient air flow. Minimizes downtime by controlling heat.</i>	<i>Units are air-cooled but no sensor monitoring air flow</i>
<b>Dispenser</b>	<i>Dispenser can be configured to include air hose and water</i>	<i>No other model has these features</i>
<b>Optional Final Discharge Gas Cooling</b>	<i>Gas at final discharge pressure is cooled to 15 degrees below ambient temperature; ensures full fill</i>	<i>No other model has these features</i>
<b>Optional Recapture of Evap Emissions</b>	<i>Optional feature to recapture evaporative emissions</i>	<i>No other model has these features</i>
<b>Oil Filters</b>	<i>Standard oil filter</i>	<i>Standard oil filter</i>
<b>Oil</b>	<i>Lexon windows placed in crankcase and crosshead to view lube cycles</i>	<i>No other model has these features</i>
<b>Oil</b>	<i>Oil in crankcase monitored by temperature sensor. If temp is too high, valve opens and oil flows to a heat exchanger to lower the temperature to acceptable levels</i>	<i>No other model has these features</i>
<b>Air Flow</b>	<i>Microbox is programmed do a complete air changeout every 10 minutes. Rear cooling fan comes on for ten seconds every hour</i>	<i>No other model has these features</i>