

# CO<sub>2</sub> dryer combination

The oil-less JUN-AIR compressors are available with a CO<sub>2</sub> dryer combination, which consists of an adsorption dryer mounted in combination with a Hopcalite filter transforming CO into CO<sub>2</sub>. The content of CO in the air is reduced in order to comply with the European standard for air breathing quality, "Pharmacopeia". Compressors mounted with CO<sub>2</sub> dryer combination are the obvious choice for respirators, laboratories etc. where CO in the outlet air has to be reduced to a minimum. The pressure dew point of this dryer range is as low as -40°C. Bacteria become inactive at a pressure dew point of -23°C, whereas the risk of corrosion is eliminated at -30°C. JUN-AIR compressors designated with a "D" followed by CO<sub>2</sub> in the model description (e.g. 2000-40MD2 CO<sub>2</sub>) are fitted with a CO<sub>2</sub> dryer combination. The figure after "D" refers to the size of the dryer.



Dryer type	Compressor model	Pressure dew point @ 7 barg
D2 CO <sub>2</sub>	OF302	-40°C
D2 CO <sub>2</sub>	1000	-40°C
D2 CO <sub>2</sub>	2000	-30°C
D3 CO <sub>2</sub>	2000	-40°C
D3 CO <sub>2</sub>	4000	-30°C
D6 CO <sub>2</sub>	6000	-40°C

Purge loss: 20%.

International breathing air			
European Pharmacopeia 4 <sup>th</sup> Ed.			
Carbon monoxide	CO	[ppm]	< 5
Carbon dioxide	CO <sub>2</sub>	[ppm]	< 500
<b>Water vapour / Pressure dew point</b>			<b>&lt; 67 ppm (-27°C @ 7 bar)</b>
Sulphur dioxide	SO <sub>2</sub>	[ppm]	< 1
Nitrous fumes	NO <sub>x</sub>	[ppm]	< 2
Nitrogen dioxide	NO <sub>2</sub>	[ppm]	< 2
Oil vapour / Residual oil content		[mg/m <sup>3</sup> ]	< 0,1
Oxygen	O <sub>2</sub>	[%]	= 21 (+/-2)
Odour and Taste			free

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