

SICOLAB

The impressively quiet laboratory station



SICOLAB – The Silent Compressors for Laboratories

silent – compact – mobile

The versatile compressor station for laboratories and clean rooms

The SICOLAB oil-free compressor system was conceived by Dürr Technik, specifically to be stored and used at the technician's workbench. This is now possible, due to its extremely quiet, low-vibration operation and the compact size.

The SICOLAB has an appealing, modern look, which perfectly complements other equipment in the laboratory. Its space-saving design allows it to fit neatly under the laboratory desk, while the sound-dampening cabinet substantially reduces noise. The system features an intuitive user interface and a simple Plug-and-Play operation. True to Dürr Technik traditions, reliability and longevity all come standard.

Plug-and-Play

thanks to the quick-connect outlet

Adjustable outlet pressure

simply set the desired pressure up to 8 bar (116 psi)



Sterile filter (optional)

filtration grade 0.01 µm

Activated carbon filter (optional)

removes odor and other impurities from the compressed air

Mobility

swivel wheels

Endurance

designed to run even at 100 % duty-cycle

Automatic condensate evaporator

elimination of manual drainage

Ultra quiet

Low-vibration

Compact to fit under the lab desk

Modern design



Our air tanks feature a proprietary internal, anti-bacterial coating. When the application requires dry air, an optional membrane dryer can be integrated with the system. With this option, the system generates consistently dry, compressed air even at 100 % duty-cycle – perfection made by Dürr Technik.



←..... Air tank with anti-bacterial and anti-corrosion coating

←..... Recessed handles

←..... Secondary rear panel outlet connection

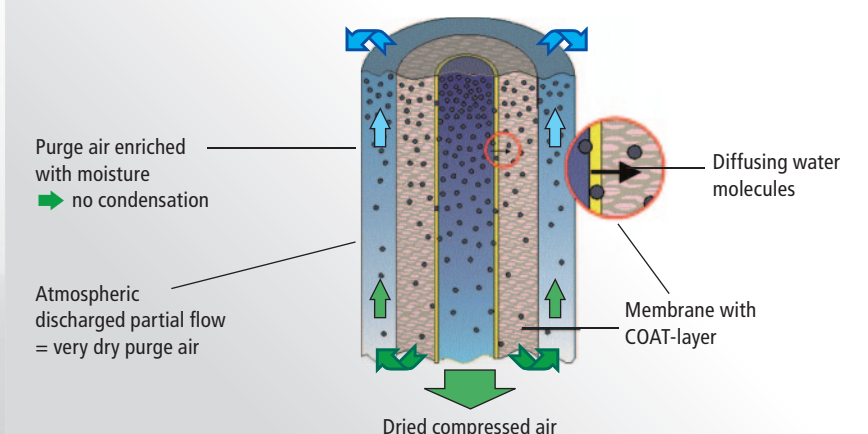
←..... Very long service life

←..... Membrane dryer 100 % duty-cycle (optional)

- Economical purge air consumption for improved energy efficiency
- Patented pressure limiting valve to optimize the starting process
- Flexible: dew point is adjustable to meet application requirements



Membrane drying function



Compressed air specifications

- Maximum operating pressure 8 bar (116 psi)
- Dew point reduced by up to 65 K (117 °Ra)
- Air quality according to ISO 8573-1 up to class 1:2:1

Ambiant conditions

- Relative humidity up to 95 %
- Operating temperature range from 5 °C to 40 °C (41 °F to 104 °F)

Your benefits

- Low noise
- Compact design
- Plug-and-Play
- 100 % duty-cycle
- Oil-free
- Low-vibration
- Very long service life
- Large variety of versions



Options

- Membrane dryer
- Sterile filter 0.01 µm
- Activated carbon filter
- Spiral coiled hose with compressed air gun
- Special voltages on request



TECHNICAL DATA SICOLAB

Type (metric units)	Air flow at 0 bar (l/min)	Air flow by 50 Hz at 5 bar (l/min)	Nominal pressure PN (bar)	Noise level at PN dB (A)	Weight (kg)	Receiver capacity (l)	Voltage (V)	Frequency (Hz)	Dimensions L x W x H (mm)
SICOLAB 062	73	37	7	45	66	25	230	50/60	580 x 510 x 653
SICOLAB 100	105	70	7	49	76	25	230	50/60	580 x 510 x 653
SICOLAB 200	195	145	7	52	93	25	230	50	580 x 510 x 653
Type (imperial units)	Air flow at 0 psi (cfm)	Air flow by 50 Hz at 72.5 psi (cfm)	Nominal pressure PN (psi)	Noise level at PN dB (A)	Weight (lb)	Receiver capacity (US gal)	Voltage (V)	Frequency (Hz)	Dimensions L x W x H (in)
SICOLAB 062	2.58	1.31	101.5	45	146	6.6	230	50/60	22.8 x 20.1 x 25.7
SICOLAB 100	3.71	2.48	101.5	49	168	6.6	230	50/60	22.8 x 20.1 x 25.7
SICOLAB 200	6.90	5.13	101.5	52	205	6.6	230	50	22.8 x 20.1 x 25.7

TECHNICAL DATA SICOLAB M with membrane dryer

Type (metric units)	Air flow at 0 bar (l/min)	Air flow by 50 Hz at 5 bar (l/min)	Nominal pressure PN (bar)	Noise level at PN dB (A)	Weight (kg)	Receiver capacity (l)	Voltage (V)	Frequency (Hz)	Dimensions L x W x H (mm)
SICOLAB 062M	73	32	7	45	68	25	230	50/60	580 x 510 x 653
SICOLAB 100M	105	59	7	49	78	25	230	50/60	580 x 510 x 653
SICOLAB 200M	195	122	7	52	95	25	230	50	580 x 510 x 653
Type (imperial units)	Air flow at 0 psi (cfm)	Air flow by 50 Hz at 72.5 psi (cfm)	Nominal pressure PN (psi)	Noise level at PN dB (A)	Weight (lb)	Receiver capacity (US gal)	Voltage (V)	Frequency (Hz)	Dimensions L x W x H (in)
SICOLAB 062M	2.58	1.13	101.5	45	150	6.6	230	50/60	22.8 x 20.1 x 25.7
SICOLAB 100M	3.71	2.09	101.5	49	172	6.6	230	50/60	22.8 x 20.1 x 25.7
SICOLAB 200M	6.90	4.32	101.5	52	209	6.6	230	50	22.8 x 20.1 x 25.7

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