

OIL-FREE SCROLL COMPRESSORS

CAPS AL SERIES



STEP-DRIVEN DEMAND CONTROL: SAVE UP TO 25% ON ENERGY COSTS

Energy savings are based on a pyramid control process. Our scroll compressors consist of modules that offer flexibility for varying air demand conditions.

OIL-FREE SCROLL TECHNOLOGY.

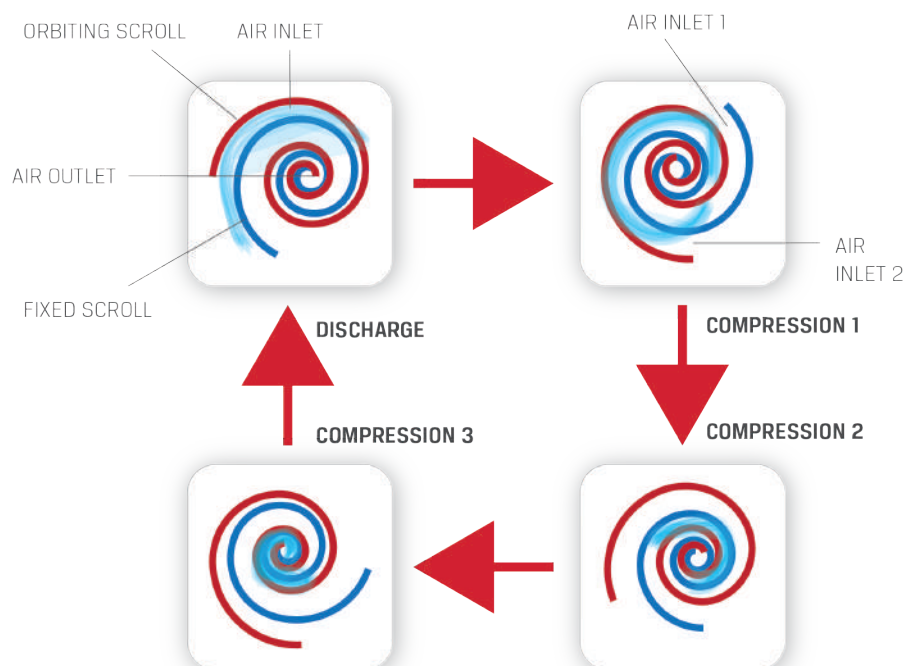
WHY OIL-FREE?

Compressed air oil vapour is the most difficult element to separate effectively. Filtration does not offer a complete oil vapour removal. Therefore, the most effective approach is to eliminate compressor oil in the compression process in the first place.

CAPS oil free scroll compressors are developed to operate without the use of any oil during the compression process, resulting in "Oil-Free" grade compressed air. It can easily achieve ISO 8573.1 air quality by pairing up with an appropriately selected dryer and filtration system. As there is no oil in the compression process, condensation treatment is unnecessary, which saves on operating costs. CAPS oil-free scroll compressors compliance to ISO8573-1 Class 0 Standard by TUV Germany.

PRINCIPLES OF AN OIL-FREE SCROLL COMPRESSOR

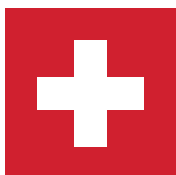
As demonstrated in the diagram, there is a pair of stationary and orbital scrolls within each airend. The orbital scroll compresses feed air from the outer rim along the stationary scroll towards the discharge port at the centre of the scroll airend.



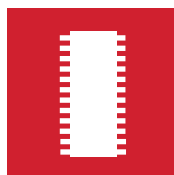


OIL-FREE APPLICATIONS.

CAPS oil-free scroll compressors provide pure, oil-free air for critical applications such as:



**MEDICAL AND
DENTAL**



ELECTRONIC



**FOOD AND BEVERAGE
PROCESSING**



PRINTING



SPRAY PAINTING



LABORATORY





KEY FEATURES AND BENEFITS

OPTIMISED SCROLL AIREND

The scroll airend is designed for optimum performance to match the varying air demands of your plant.

CORRUGATED AFTER COOLER

High performance after cooler and cooling fan enables the compressor to produce optimised compressed air.

SUCTION FILTER UNIT

Offers 99.9% of dust elimination and provides a clean, compressed air supply.

STEP-DRIVEN DEMAND CONTROL

Automatically operates the appropriate number of scrolls to match your air usage demands.

HEAVY-DUTY SIROCCO FAN

Cools the scroll airend and the 2-way cooling method of the aftercooler offers stable operation at maximal ambient temperature of 40°C.

ROTARY (TIME-SHIFTING) CONTROL PROCESS

Used to offer sequential operation as programmed for the operation time to balance the average usage hours and to maximise the overhaul cycles.

ENERGY EFFICIENCY

Energy savings through a sequential controller. By sequentially starting the series of airends, the inrush or starting current affecting the peak loading is minimised.



PRODUCT SPECIFICATIONS.



Model	Max Working Pressure	Flow Capacity		Nominal Power	Power Supply (V/Ph/Hz)	Inlet/Outlet Connections	Noise	Approx Weight	Dimensions (mm)		
	Barg	M3/min	CFM	kW		(Inches)	dB(A)	Kg	Height	Width	Depth
AL3	8.0	0.271	9.6	3	415/3/50	1/2	49	175	1070	700	740
	9.9	0.219	7.7	3		1/2	49	175	1070	700	740
AL5	8.0	0.416	14.7	4		1/2	50	185	1070	700	740
	9.9	0.352	12.4	4		1/2	50	185	1070	700	740
AL7	8.0	0.687	24.3	7		1	52	330	1020	640	1180
	9.9	0.571	20.2	7		1	52	330	1020	640	1180
AL10	8.0	0.832	29.4	8		1	53	340	1020	640	1180
	9.9	0.704	24.9	8		1	53	340	1020	640	1180
AL15	8.0	1.248	44.1	12		1	56	485	1260	750	1280
	9.9	1.056	37.3	12		1	56	485	1260	750	1280
AL20	8.0	1.664	58.8	16		1	58	620	1625	750	1280
	9.9	1.408	49.7	16		1	58	620	1625	750	1280
AL25	8.0	2.080	73.5	20		1	59	750	2040	750	1280
	9.9	1.760	62.2	20		1	59	750	2040	750	1280
AL30	8.0	2.496	88.1	24		1	62	1080	1260	1600	1280
	9.9	2.112	74.6	24		1	62	1080	1260	1600	1280
AL40	8.0	3.328	117.5	32		1	63	1250	1625	1600	1280
	9.9	2.816	99.4	32		1	63	1250	1625	1600	1280
AL50	8.0	4.160	146.9	40		1	65	1420	2040	1600	1280
	9.9	3.520	124.3	40		1	65	1420	2040	1600	1280

Maximum operating temp = 40°C

FAD is full package performance as per ISO1217:1996 Annex C (20°C)

SERVICE EXCELLENCE.

THE CAPS DIFFERENCE

Experience the difference with CAPS' expert industrial equipment servicing. Our **factory-trained technicians** will run a **full diagnostic inspection** on your machine to ensure it keeps running as it should. Using **genuine spare parts** and **model-by-model technical knowledge**, you can rest assured that your machine is in good hands.



ALL MAKES +
MODELS



24/7 SERVICE
NETWORK



FACTORY-TRAINED
TECHNICIANS

BREAKDOWN SUPPORT

Our industry leading breakdown support operates 24 hours a day, 365 days a year. Our technician's combined depth of experience means that we can rapidly find solutions to customers concerns, minimising the effect of delays and downtimes. CAPS invests heavily in a spare parts inventory to ensure there is always a large selection of compressor spares in stock for emergency 24/7 repairs.

OUR FLEXIBLE SERVICE PROGRAMS

The best way to avoid breakdowns is to have your equipment serviced regularly. CAPS flexible service and support programs are designed to minimise equipment faults and unscheduled downtime which can cost you thousands straight off your bottom line. CAPS offers routine maintenance for all makes and models of air compressors, power generators, blowers and related ancilliary equipment.

WHAT OUR CUSTOMERS ARE SAYING

"CAPS have supported us very well, with downtime kept to a minimum. Their service staff are well trained, and responsive to our needs."

- David, Bluescope Steel

GET IN TOUCH.

24/7 SUPPORT: 1800 800 878

WEBSITE: CAPS.COM.AU

SHOP: CAPSSHOP.COM.AU

EMAIL: INFO@CAPS.COM.AU

BRANCH LOCATIONS

PERTH (HEAD OFFICE) | KALGOORLIE | MELBOURNE | SYDNEY
NEWCASTLE | ADELAIDE | BRISBANE | MACKAY | DARWIN

SOLVING YOUR AIR AND POWER CHALLENGES.