

COAIRE

OIL LESS SCROLL
AIR COMPRESSORS



SCROLL

PRECISION BUILT AIR COMPRESSORS

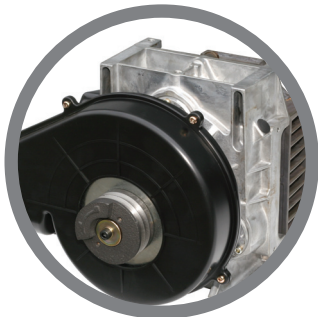
COAIRE'S OIL LESS SCROLL COMPRESSOR TECHNOLOGY

- The optimized output of the scroll airend is designed to maximize energy savings and output volume.
- The standard stainless steel tanks are designed to produce optimally-controlled air without any additional after cooler (for models M3 and M5).
- Corrugated type high performance after cooler and large capacity cooling fan enable the scroll air compressor to produce optimized air without any additional after cooler installation (for models M3 and M5).
- Energy savings through sequential control allow lower start up inrush with reduced power consumption.
- Energy savings are based on the pyramid control process. Coaire scroll compressor products consist of a series of compressors, which offer flexibility to various conditions required by independent or unmanned automatic operations. The control process proves to be the most effective energy saving device by utilizing the amount of air being consumed to minimize the power consumption.
- Coaire scrolls are precision built with the latest technology, such as machining, measurement, and other design and manufacturing processes.



Highly reliable and ultra quiet sound levels (as low as 49 dBa)

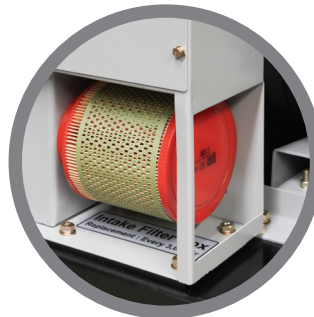
- The simple design of Coaire's scroll airend provides durability and low sound levels.
- When proper ventilation is provided, the heavy-duty Scirocco cooling fan offers stable cooling in ambient temperatures of up to 120°F.
- The suction filter system provides up to 99.9% of dust elimination and a clean, compressed air supply.



AIREND



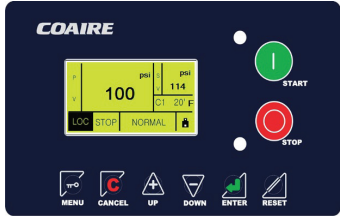
SCIROCCO FAN



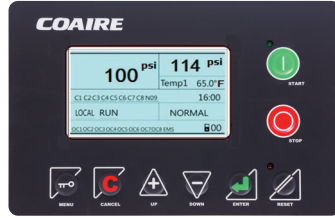
SUCTION FILTER

MULTI-FUNCTION CONTROLLERS

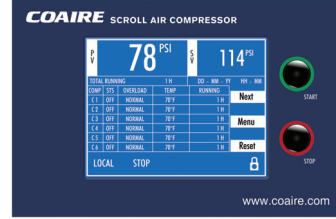
Coaire’s multi-function controllers allow tandem, time-shifting and emergency bypass operations with multilingual features and are CE-approved and meet EMI and EMC testing requirements.



CSOF-S3-10 Multifunction Controller



CSOF-S15-40 Micom Controller



CSOF-S50 Touch Screen Controller

All included controllers feature:

- Programmable timer with automatic pause, manual pause, operation, and load delay
- Alarm and shut down functions for pressure, upper, and lower limit temperature
- Hour meter includes operating hours and maintenance cycles with elapsed time
- Self-diagnostic detects pressure and temperature sensor operation
- Operating pressure
- Operation status
- On/off
- Alarm display
- Pressure setting
- Air discharge temperature tracking
- Multilingual interface

Micom controller adds:

- 5" LCD
- 160 item operation memory

Touch screen controller adds:

- Large 6" touch screen
- Operation of all scroll compressors within the package
- Multi-phase controller

Oil less scroll compressor applications

- Food processing
- Packing
- Mixer
- High-precision paint
- Medical equipment
- Medical-grade gas supply
- Dental
- Machining centers
- Semiconductor equipment
- High-precision printing
- Book binding
- Golf range clothes and shoe cleaning
- Pharmaceutical
- Drug and chemical product manufacturing
- Screen printing
- Packaging



VARIOUS OIL LESS SCROLL MODELS TO FIT ANY APPLICATION

Available in single and multiple scroll configurations, including multiples of 3 and 5hp units, up to 50hp packages.

CSOF-S SERIES

Type: Single (one compressor)

Models: CSOF-S3, CSOF-S5

- Available in 3hp or 5hp models
- Compact design for easy installation and space saving
- Wheel kit available for portable application (optional)
- Removable panels for easy inspection and maintenance
- Air receiver tank is not included



Type: Tandem (two compressors)

CSOF-S8 and CSOF-S10 compressors

- The combination of two compressors allow alternating operation
- The automatic on/off functions are synchronized with the air output demands
- Air receiver tank is not included



Type: Array (multiple compressors)

Array of multi-units of CSOF-S25, CSOF-S30, CSOF-S40 and CSOF-S50 compressors

- For optimal efficiency, a multi-control system is used to control the multiple compressors ranging from 3 to 10 units as required by the output air demands.
- Rotational control and emergency bypass operation
- The pull-down menu allows for easy operation
- Timer for daily or weekly scheduling
- Air receiver tank is not included



CSOF-D SERIES

Models: CSOF-D3, CSOF-D5

Dryer, filter and receiver tank all integrated into one compressor

- Available in 3hp or 5hp models
- All-in-one functions including air dryer
- Stainless tank is built-in.
- Dew point: 50°F (for lower dew point., please consult your distributor)



CSOF-M SERIES

Models: CSOF-M3, CSOF-M5

Built-in 10 gallon stainless steel tank

- Available in 3hp or 5hp models
- Automatic on/off through CSOF-M3-CSOF-M5 pressure sensors
- Micom controller
- Removable panels for easy inspection and maintenance



CSOF BASE MOUNTED SERIES

Models: CSOF-BH, CSOF-BV

- Available in 3hp or 5hp models
- Aluminum compressor body
- Aluminum after cooler
- Specialized internal coating for excellent durability
- Integral fan for maximum cooling
- Low noise
- Low vibration
- Pivot type belt tensioner
- Vertical and horizontal configurations
- Compact size for OEM applications
- Control box (optional)



Suitable filtration and air dryer must be incorporated to all Coaire scroll air compressors to comply to ISO 8573-1 Class 0 guidelines. For details, please visit www.iso.org.

SPECIFICATIONS

CSOF-S Series

Model	Max Working Pressure		Capacity		Motor	Power	Sound Level	Dimensions (LxWxH)	Discharge Air Outlet	Weight
	KGF/cm ² G	psig	LPM	CFM	kW	HP	dBA	inches	inches	lbs
CSOF-S3PL	8.0	115	240	8.5	2.2	3	49	22x25x31	1/2	385
CSOF-S3PH	9.9	140	203	7.2						
CSOF-S5PL	8.0	115	400	14.1	3.7	5	50	22x25x31	1/2	407
CSOF-S5PH	9.9	140	340	12.0						
CSOF-S8PL	8.0	115	640	22.6	2.2X1	3X1	52	26x47x41	1	727
CSOF-S8PH	9.9	140	545	19.2	3.7X1	5X1				
CSOF-S10PL	8.0	115	800	28.2	3.7X2	5X2	53	26x47x41	1	750
CSOF-S10PH	9.9	140	680	24.0						
CSOF-S15PL	8.0	115	1200	42.3	3.7X3	5X3	56	30x51x50	1	1070
CSOF-S15PH	9.9	140	1020	36.0						
CSOF-S20PL	8.0	115	1600	56.4	3.7X4	5X4	58	30x51x64	1	1367
CSOF-S20PH	9.9	140	1360	48.0						
CSOF-S25PL	8.0	115	2000	70.5	3.7X5	5X5	59	30x51x81	1	1653
CSOF-S25PH	9.9	140	1700	60.0						
CSOF-S30PL	8.0	115	2400	84.6	3.7X6	5X6	62	63x51x50	1	2380
CSOF-S30PH	9.9	140	2140	72.0						
CSOF-S40PL	8.0	115	3200	112.8	3.7X8	5X8	63	63x51x64	1	2755
CSOF-S40PH	9.9	140	2720	96.0						
CSOF-S50PL	8.0	115	4000	141.0	3.7X10	5X10	65	63x51x81	1	3130
CSOF-S50PH	9.9	140	3400	120.0						

Due to ongoing product development, specifications listed on this page are subject to change without prior notice.

SPECIFICATIONS

CSOF-D Series

Model	Max Working Pressure		Capacity		Motor	Power	Sound Level	Dew Point	Tank Volume	Filtration	Dimensions (LxWxH)	Air Outlet	Weight
	KGF/cm ² G	psig	LPM	CFM							inches	NPT	lbs
CSOF-D3PL	8.0	115	240	8.5	2.2	3	49	50	10	5	28x30x59	1/2	462
CSOF-D3PH	9.9	140	205	7.2									
CSOF-D5PL	8.0	115	400	14.1	3.7	5	50	50	10	5	28x30x59	1/2	485
CSOF-D5PH	9.9	140	340	12.0									

CSOF-M Series

Model	Max Working Pressure		Capacity		Motor	Power	Sound Level	Tank Volume	Dimensions (LxWxH)	Air Outlet	Weight
	KGF/cm ² G	psig	LPM	CFM				gallons	inches	NPT	lbs
CSOF-M3PL	8.0	115	240	8.5	2.2	3	49	10	28x30x59	1/2	451
CSOF-M3PH	9.9	140	205	7.2							
CSOF-M5PL	8.0	115	400	14.1	3.7	5	50	10	28x30x59	1/2	473
CSOF-M5PH	9.9	140	340	12.0							

CSOF-BH/BV Series (Base Mounted Type)

Model	Max Working Pressure		Capacity		Motor	Power	Sound Level	Dimensions (LxWxH)	Air Outlet	Weight
	KGF/cm ² G	psig	LPM	CFM				inches	NPT	lbs
CSOF-BH3PL	8.0	115	240	8.5	2.2	3	49	38x28x28	1/2	200
CSOF-BH3PH	9.9	140	205	7.2						
CSOF-BH5PL	8.0	115	400	14.1	3.7	5	50	38x28x28	1/2	200
CSOF-BH5PH	9.9	140	340	12.0						
CSOF-BV3PL	8.0	115	240	8.5	2.2	3	49	26x26x33	1/2	180
CSOF-BV3PH	9.9	140	205	7.2						
CSOF-BV5PL	8.0	115	400	14.1	3.7	5	50	26x26x33	1/2	180
CSOF-BV5PH	9.9	140	340	12.0						

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VALUE, QUALITY DRIVEN

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