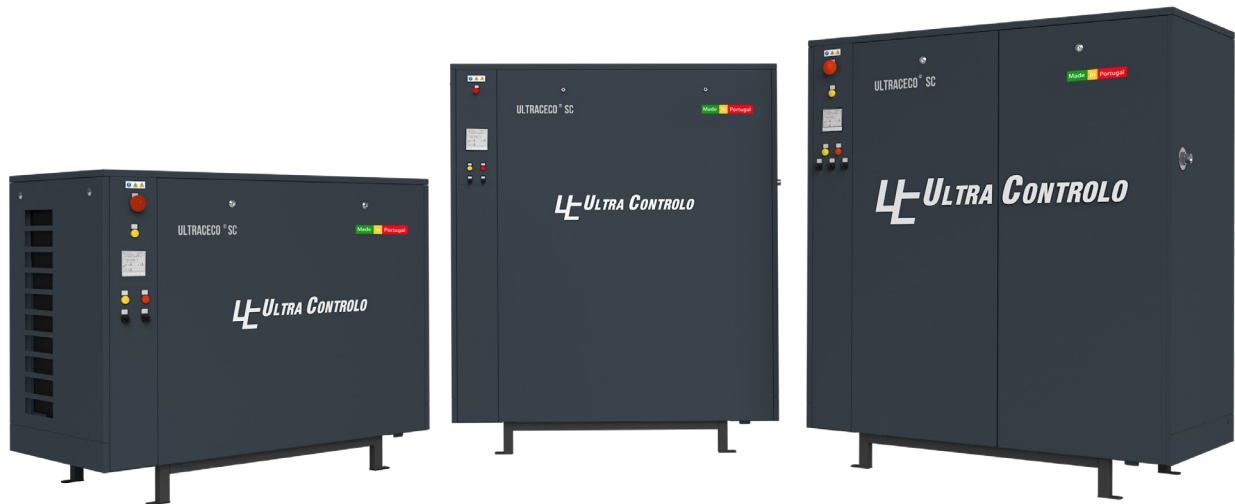


Oil-less Scroll Air Compressors

ULTRACECO SC

Industrial and Hospital Compressed Air Systems



ULTRACECO SC

At the forefront of compressed air and vacuum technology Ultra Controllo introduces the totally oil-less scroll compressor ULTRACECO SC series. This range of ULTRACECO SC compressors aims to satisfy all the needs of oil-free compressed air for many different industrial applications and medicine.

The basic configuration starts with a single skid (scroll + motor + base frame) complete stand-alone unit ready for operation and can evolve up to eight skids integrated in one controller.

The start and stop of the skids integrated in the compressor is done automatically through a powerful QuAir PLC controller with the aim of saving energy and lifetime of the basic scroll unit.

In addition to the compressor group, ULTRACECO SC can be completed as a work station integrating an air receiver, dryers and filters, thus making it a complete compressed air feeding plant. The air quality will match the application requirements.

With a permanent staff of engineers Ultra Controllo can take full responsibility for the compressed air infrastructure, ensuring better air quality in the desired class. With over 37 years servicing the industry, our aim is to always provide state-of-the-art products to meet and exceed your requirements. We always work in the best interests of those who elect us as supplier or our brands, contributing to their success and providing the energy to win.

THE SMART CHOICE

Inlet Air Filter

Filter elements for each scroll unit;
Pleated filter with extra large filtration surface;
High dust loading capacity and low-pressure drop;
High efficiency filtration rate down to 1 micron;
Very easy to replace by wing nut;
Housing with double chamber to avoid dust entrance.

Electric motor

Electric motor with high efficiency;
Housing with high heat dissipation;
Isolation IP 55, class F, B3 type.

Scroll unit

Air-cooled with integrated high capacity fan;
Scroll unit with very low speed assuring long lifecycle;
Low noise level;
Limited moving parts with few service requirement.

Belt tensioning

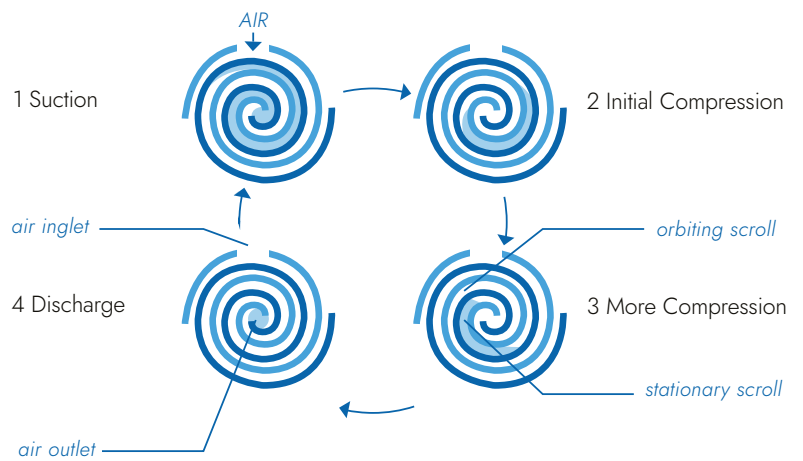
Very simple belt tensioning without possibility of misalignment;
Very easy accessibility.

High efficient after cooler

Large cooling surface assuring excellent water condensation;
Long lasting with all non-corrosive components;
Additional cooling system for low air temperature.



Working principle of scroll compressor ULTRACECO SC



Available Equipment

Complete air treatment units;
High efficiency filters;
High efficiency fridge dryers;
Adsorption dryers;
Sterile filters;
Electric control cabinets;
Variable speed systems;
Galvanized air receivers;
Stainless steel air receivers;
Automatic condensate drains;
Valves and pressure gauges;
Air pressure regulators;
Air hoses;
Safety valves;
Certifications and validations.

Advantages

High quality compressed air
Compression exempt of oil or grease
Without gearbox
Belt driven
Energy saving:
- no idle running
- progressive starting acc. to air demand
Low noise level
Low compressed air temperature

Technical Specifications

MODEL ULTRACECO-SC	PRESSURE		CAPACITY				MOTOR 50/60 Hz 208 - 440 V	
	bar	psig	l/s	m3/min	cfm	m3/h	kw	hp
SC 1	8	116	2,7	0,16	5,7	9,6	1,5	2
SC 2	8	116	4	0,24	8,5	14,4	2,2	3
	10	145	3,4	0,2	7,1	12	2,2	3
SC 4	8	116	6,7	0,4	14,1	24	4	5,5
SC 5	8	116	10	0,6	21,2	36	5,5	7,5
	10	145	8,3	0,5	17,5	29,7	5,5	7,5
SC 7	8	116	14,2	0,85	30	51	7,5	10
SC 21	8	116	5,4	0,32	11,4	19,2	3	4
SC 22	8	116	8	0,48	17	28,8	4,4	6
	10	145	6,8	0,4	14,2	24	4,4	6
SC 24	8	116	13,4	0,8	28,2	48	8	11
SC 25	8	116	20	1,2	42,4	72	11	15
	10	145	16,6	0,99	35	59,4	11	15
SC 27	8	116	28,4	1,7	60	102	15	20
SC 31	8	116	8,1	0,48	17,1	28,8	4,5	6
SC 32	8	116	12	0,72	25,5	43,2	6,6	9
	10	145	10,2	0,6	21,3	36	6,6	9
SC 34	8	116	20,1	1,2	42,3	72	12	16,5
SC 35	8	116	30	1,8	63,6	108	16,5	16,5
	10	145	24,9	1,49	52,5	89,1	16,5	22,5
SC 37	8	116	42,6	2,55	90	153	22,5	6
SC 41	8	116	10,8	0,64	22,8	38,4	6	8,8
SC 42	8	116	16	0,96	34	57,6	8,8	8,8
	10	145	13,6	0,8	28,4	48	8,8	16
SC 44	8	116	26,8	1,6	56,4	96	16	22
SC 45	8	116	40	2,4	84,8	144	22	22
	10	145	33,2	1,98	70	118,8	22	30
SC 47	8	116	56,8	3,4	120	204	30	40

Technical Specifications

MODEL ULTRACECO-SC	NOISE	DIMENSIONS L x W x H		WEIGHT	
		mm	ich	kg	ls
		SC 1	65	650 x 800 x 630	25,59 x 31,5 x 24,8
SC 2	67	650 x 800 x 630	25,59 x 31,5 x 24,8	60	132
	67	650 x 800 x 630	25,59 x 31,5 x 24,8	60	132
SC 4	68	1010 x 720 x 740	39,76 x 28,35 x 29,1	92	203
SC 5	68	1010 x 720 x 740	39,76 x 28,35 x 29,1	93	205
	68	1010 x 720 x 740	39,76 x 28,35 x 29,1	93	205
SC 7	68	1010 x 720 x 740	39,76 x 28,35 x 29,1	93	205
SC 21	68	650 x 800 x 1120	25,59 x 31,5 x 44,1	120	265
	69	650 x 800 x 1120	25,59 x 31,5 x 44,1	130	287
SC 22	69	650 x 800 x 1120	25,59 x 31,5 x 44,1	130	287
SC 24	70	1010 x 720 x 1340	39,76 x 28,35 x 52,8	188	414
	70	1010 x 720 x 1340	39,76 x 28,35 x 52,8	190	419
SC 25	70	1010 x 720 x 1340	39,76 x 28,35 x 52,8	190	419
SC 27	70	1010 x 720 x 1340	39,76 x 28,35 x 52,8	190	419
SC 31	68	650 x 800 x 1610	25,59 x 31,5 x 63,4	178	392
	69	650 x 800 x 1610	25,59 x 31,5 x 63,4	193	425
SC 32	69	650 x 800 x 1610	25,59 x 31,5 x 63,4	193	425
SC 34	70	1010 x 720 x 1940	39,76 x 28,35 x 76,4	284	626
	70	1010 x 720 x 1940	39,76 x 28,35 x 76,4	287	633
SC 35	70	1010 x 720 x 1940	39,76 x 28,35 x 76,4	287	633
SC 37	68	1010 x 720 x 1940	39,76 x 28,35 x 76,4	287	633
SC 41	63	600 x 1600 x 1120	23,62 x 62,99 x 44,1	233	514
	63	600 x 1600 x 1120	23,62 x 62,99 x 44,1	253	558
SC 42	63	600 x 1600 x 1120	23,62 x 62,99 x 44,1	253	558
SC 44	63	1110 x 1440 x 1340	43,7 x 56,69 x 52,8	344	758
	63	1110 x 1440 x 1340	43,7 x 56,69 x 52,8	380	838
SC 45	63	1110 x 1440 x 1340	43,7 x 56,69 x 52,8	380	838
	63	1110 x 1440 x 1340	43,7 x 56,69 x 52,8	380	838
SC 47	68	1110 x 1440 x 1340	43,7 x 56,69 x 52,8	380	838

Capacities measured acc. to ISO I217, Annex C, latest version. Noise level measured at 1 m acc. PneuopCagi PN8NTC2.

Technical changes can be done without previous notice.

Reference conditions: Inlet absolute pressure 1 bar, Suction temperature 20°C (68°F).