

Oil-less Scroll Air Compressors

ULTRACECO SCA

Compressed Air Systems for Hospitals and other Industries



ULTRACECO SCA

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

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 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. 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;
 Limited moving parts with few service requirement.

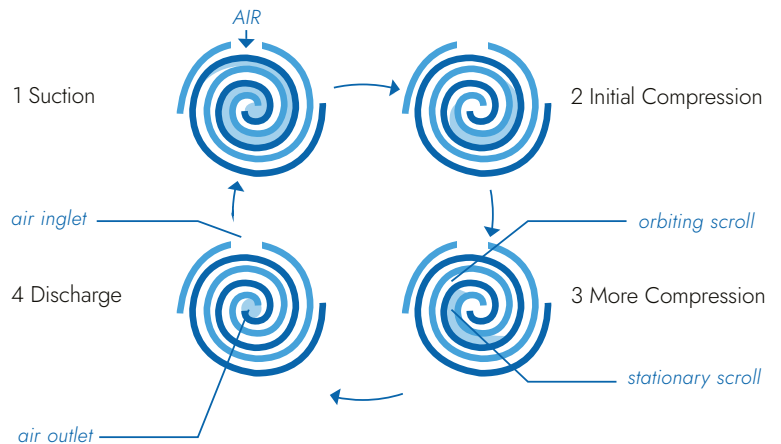
Belt tensioning

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 SCA



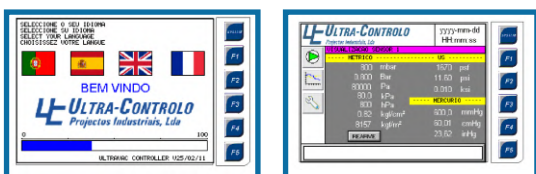
Available Equipment

Complete air treatment unit;
 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 compressed air temperature

Controladores QuVAC com painel tátil. Informação em tempo real!



Technical specifications

MODEL ULTRACECO-SCA	PRESSURE		CAPACITY				MOTOR 50/60 Hz 208 - 440 V		DIMENSIONS L x W x H	WEIGHT
	bar	psig	l/s	m3/min	cfm	m3/h	kw	hp	mm	kg
SCA 1	8	116	2,7	0,16	5,7	9,6	1,5	2	650 x 800 x 630	55
SCA 2	8	116	4	0,24	8,5	14,4	2,2	3	650 x 800 x 630	60
	10	145	3,4	0,2	7,1	12	2,2	3	650 x 800 x 630	60
SCA 4	8	116	6,7	0,4	14,1	24	4	5,5	1010 x 720 x 740	92
SCA 5	8	116	10	0,6	21,2	36	5,5	7,5	1010 x 720 x 740	93
	10	145	7,4	0,44	15,6	26,4	5,5	7,5	1010 x 720 x 740	93
SCA 7	8	116	14,2	0,85	30	51	7,5	10	1010 x 720 x 740	93
SCA 21	8	116	5,4	0,32	11,4	19,2	3	4	650 x 800 x 1120	120
SCA 22	8	116	8	0,48	17	28,8	4,4	6	650 x 800 x 1120	130
	10	145	6,8	0,4	14,2	24	4,4	6	650 x 800 x 1120	130
SCA 24	8	116	13,4	0,8	28,2	48	8	11	1010 x 720 x 1340	188
SCA 25	8	116	20	1,2	42,4	72	11	15	1010 x 720 x 1340	190
	10	145	14,8	0,88	31,2	52,8	11	15	1010 x 720 x 1340	190
SCA 27	8	116	28,4	1,7	60	102	15	20	1010 x 720 x 1340	190
SCA 31	8	116	8,1	0,48	17,1	28,8	4,5	6	650 x 800 x 1610	178
SCA 32	8	116	12	0,72	25,5	43,2	6,6	9	650 x 800 x 1610	193
	10	145	10,2	0,6	21,3	36	6,6	9	650 x 800 x 1610	193
SCA 34	8	116	20,1	1,2	42,3	72	12	16,5	1010 x 720 x 1940	284
SCA 35	8	116	30	1,8	63,6	108	16,5	16,5	1010 x 720 x 1940	287
	10	145	22,2	1,32	46,8	79,2	16,5	22,5	1010 x 720 x 1940	287
SCA 37	8	116	42,6	2,55	90	153	22,5	6	1010 x 720 x 1940	287
SCA 41	8	116	10,8	0,64	22,8	38,4	6	8,8	600 x 1600 x 1120	233
SCA 42	8	116	16	0,96	34	57,6	8,8	8,8	600 x 1600 x 1120	253
	10	145	13,6	0,8	28,4	48	8,8	16	600 x 1600 x 1120	253
SCA 44	8	116	26,8	1,6	56,4	96	16	22	1110 x 1440 x 1340	344
SCA 45	8	116	40	2,4	84,8	144	22	22	1110 x 1440 x 1340	380
	10	145	29,6	1,76	62,4	105,6	22	30	1110 x 1440 x 1340	380
SCA 47	8	116	56,8	3,4	120	204	30	40	1110 x 1440 x 1340	380

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

Reference Conditions: Absolute inlet pressure 1 bar (14.5 psig). Suction temperature 20 ° C

