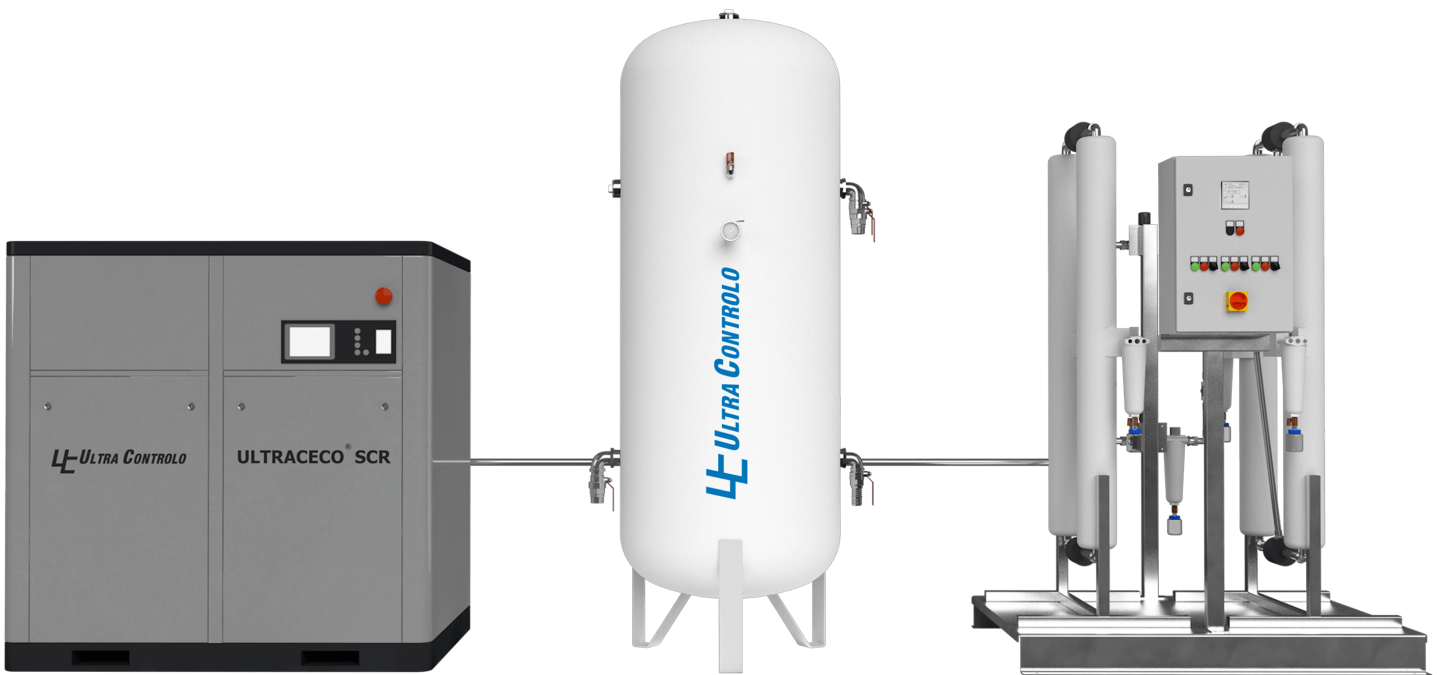


**ULTRA CONTROLO**

# ULTRAAR SCR®



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## ULTRAAR SCR

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### *ULTRAAR® SCR Systems*

ULTRAAR is a registered trademark for the totally oil-free medicinal compressed air supply systems, designed and developed by Ultra Controlo. Implemented since 1997, the aim is providing the best quality breathable air that can be produced by the Hospital. ULTRAAR is the result of over 30 years of experience implementing new technologies in compressed air treatment systems and process control applied in hospital environments, by Ultra Controlo's Engineering Department.

### *ULTRAAR® Secrets*

The installation of an ULTRAAR, rated as class IIb, active medical device, provides to any hospital a complete peace of mind and security in production of medicinal air, considered today by the European Pharmacopoeia, and fortunately, as a medicine. Possessing a medical compressed supply system, ULTRAAR, Hospitals enhance the quality of service given to patients, as they guarantee the delivery of medicinal air, truly breathable, completely free of contaminants.

Also, it provides an excellent contribution in reducing expenditure on the production of medicinal air and contributes to the preservation of our planet since it uses completely clean process and free of pollutants.

## THE SMART CHOICE

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### *Basic configuration*

- 1,2,3 or more oil-less compressors;
- 1,2,3 air treatment units and air dryers equipped with 'zero-loss' electronic condensate drains;
- 1 or more electrical control panel;
- 1,2 or more air receivers;
- 1,2 or 3 sets of pressure reduction system with pressure gauges including sterile filters, isolation valves and test valves;
- 1 set of valves and safety devices for smooth operation and long life of the equipment.

### *ULTRAAR® SCR end of troubles*

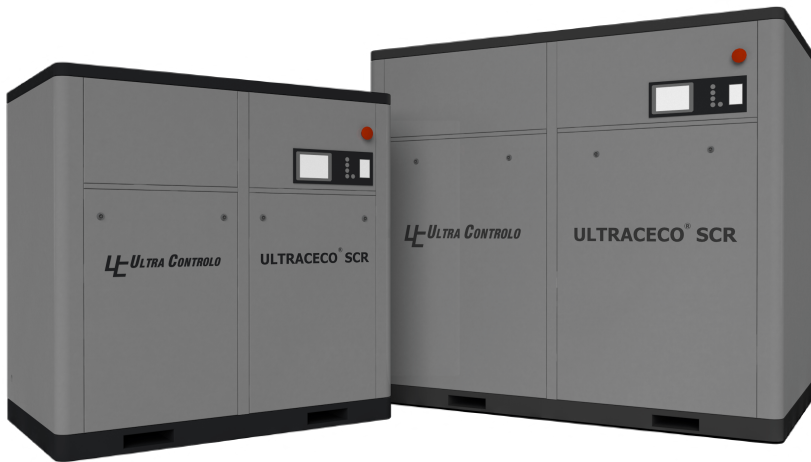
With an ULTRAAR, the hospital gets, once and for all, free of all the dangers involved with the production of poor medical air quality, derived from the oil injection into medical air network, carried out by oil lubricated screw, vane or piston compressors in the existing installations.

Hospitals will get rid of other problems due to the frequent oil spills in the ground or pushed to the environment during pressure release in idle operation of the compressor. Besides, hospitals will avoid the huge costs of separation and collection of oils from the condensate network, ending all the filth that pervades the 'medical' air plants equipped with lubricated compressors.

### *Regulation compliance*

ULTRAAR medical air supply systems produces breathable air in the safest way without any risks to health and with a quality that surpasses all international requirements in force, including European Pharmacopoeia.

ULTRAAR is constructed according to EN ISO 7396-1 standard and fulfills HTM 02 Technical Specifications. ULTRAAR® bears the CE-medical mark (CE 0120) complying the European Directive 93/42/EEC. ULTRAAR is manufactured under ISO 13485 Quality Management System.



## COMPONENTS

### Compressores ULTRACECO SCR

#### Innovative Air End Design

Patented taper rotor design optimized for efficiency;  
 Stainless steel coating robotically applied to rotors in both 1st and 2nd stages provides superior corrosion resistance and durability; Patented PTFE-free rotary coating designed for long life;  
 Coating specifically engineered to help ensure rotor tolerances remain consistent — maximizing discharge capacity over the life of the unit;  
 Stator housing coated to provide additional corrosion protection.

#### Patented Oil Mist Remover

Environmentally friendly solution to recapture gearcase oil mists;  
 Helps ensure oil free air compression;  
 Recycles gearcase oil to reduce oil toppers needed;  
 Helps promote a cleaner production environment.

#### Package Designed to Optimize Energy Efficiency and Oil Free Operation

SCR models feature a Patented No Inlet Valve Design;  
 Eliminates negative pressure at unloading — helping increase shaft seal reliability;  
 Fixed speed models feature patented 3 or 5 way solenoid valve Interstage air purging;  
 Provides energy savings when unloading;  
 Patented High Pre-Cooler Design;  
 Redundant cooler helps prevent thermal fatigue and cooler failure;  
 Helps reduce moisture content in compressed air.

#### Receivers

Receivers in vertical construction with capacities from 0.2 to 6 m<sup>3</sup>, hot-dip galvanized treatment, painted outside with epoxy, and fitted with safety devices: Calibrated safety valve, pressure gauge, manual drain valve and automatic electronic drain valve with stainless steel mesh filter. Prepared to receive an additional emergency compressor.

*We project and conceive Medical Air Plants ULTRAAR® ESW with 1 to 8 compressors and with other different configurations. Besides, we can recommend you the best solutions for your needs according to the work regime and your technical specifications. We can also optimize the existent Medical Air Plant, reducing the operation costs.*

*For any enquiry, feel free to contact our Engineering Department.*

## PROVEN QUALITY, YEAR AFTER YEAR

Perfect control of the air quality delivered to the patient, totally risk-free;  
 Clean air production process complying with the directive 96/61 EEC, environmentally friendly;  
 Pressure losses permanently very low keeping, over use, a constant flow;  
 Ultragest control and unclogged filter ensure low power consumption and money savings in spare parts.  
 Electric Control Box  
 Analogue Control;  
 Digital Control;

## Technical Specifications

FIXED SPEED – 60 HZ

MODEL ULTRACECO SCR	POWER		PRESSURE psig	PERFORMANCE m <sup>3</sup> /min	WEIGHT kg	DIMENSIONS	dBA
	hp	kw				W x D x H mm	
SCR 22	30	22	125	3.3	1130	60.3 x 45.3 x 65	69
SCR 30	40	30	125	4.0	1200	60.3 x 45.3 x 65	70
SCR 37	50	37	125	4.7	1200	60.3 x 45.3 x 65	71
SCR 45	60	45	125	6.5	1520	78.8 x 51.2 x 70.9	72
SCR 55	75	55	125	7.7	1520	78.8 x 51.2 x 70.9	72
SCR 75	100	75	125	11.1	1810	88.6 x 51.2 x 70.9	72
SCR 90	125	90	125	15.4	2380	84.6 x 59.8 x 77.8	77
SCR 110	150	110	125	17.3	2540	84.6 x 59.8 x 77.8	79
SCR 132	175	132	125	21.0	3900	114.2 x 75.2 x 75.8	77
SCR 145	200	145	125	22.8	3900	114.2 x 75.2 x 75.8	78
SCR 160	215	160	125	25.3	4000	114.2 x 75.2 x 75.8	78
SCR 200	250	200	125	33.1	5200	126 x 82.3 x 76.8	80
SCR 240	300	240	125	36.7	5200	126 x 82.3 x 76.8	81
SCR 45	60	45	125	6.7	1660	78.8 x 51.2 x 70.9	65
SCR 55	75	55	125	7.9	1660	78.8 x 51.2 x 70.9	65
SCR 75	100	75	125	11.3	1490	78.8 x 51.2 x 70.9	70
SCR 90	125	90	125	15.6	2280	84.6 x 59.8 x 71.9	75
SCR 110	150	110	125	17.6	2440	84.6 x 59.8 x 71.9	76
SCR 132	175	132	125	21.8	3800	98.4 x 63 x 75.8	74
SCR 145	200	145	125	23.7	3800	98.4 x 63 x 75.8	75
SCR 160	215	160	125	26.2	3800	98.4 x 63 x 75.8	75
SCR 200	250	200	125	33.1	4800	110.2 x 70.9 x 76.8	75
SCR 125	300	240	125	36.9	4800	110.2 x 70.9 x 76.8	76

## Technical Specifications

VARIABLE SPEED – 60 HZ

MODEL ULTRACECO SCR-X	POWER		PRESSURE psig	PERFORMANCE m <sup>3</sup> /min	WEIGHT kg	DIMENSIONS	dBA
	hp	kw				W x D x H	
						mm	
SCR-X 37	50	37	125	4.6	960	60.3 x 45.3 x 65	72
SCR-X 55	75	55	125	7.7	1350	78.8 x 51.2 x 70.9	70
SCR-X 75	100	75	125	10.9	1580	88.6 x 51.2 x 70.9	72
SCR-X 90	125	90	125	15.4	2480	84.6 x 59.8 x 77.8	77
SCR-X 110	150	110	125	17.3	2530	84.6 x 59.8 x 77.8	79
SCR-X 55	75	55	125	8	1330	78.8 x 51.2 x 70.9	66
SCR-X 75	110	75	125	11.4	1420	78.8 x 51.2 x 70.9	69
SCR-X 90	125	90	125	15.6	2380	84.6 x 59.8 x 71.9	75
SCR-X 110	150	110	125	17.6	2430	84.6 x 59.8 x 71.9	76
SCR-X 160	215	160	125	26.2	4000	98.4 x 63 x 75.8	75
SCR-X 240	300	240	125	36.9	5100	110.2x70.9x76.9	76



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