

Oil-less Piston Air Compressors

ULTRACECO ESW

Compressed Air Systems for Hospitals and other Industries



Ultra Controlo - Pioneer in the development of piston compressors with a focus on medical application

Oil-less Piston Air Compressors

ULTRACECO ESW COLOSSUS

ULTRACECO is a registered trademark for the oil-free air compressor, designed and developed by Ultra Controlo, and implemented since 1997 with the aim of providing the best quality air that can be produced.

ULTRACECO is one of the impressive outcomes of over 30 years of experience implementing new technologies in compressed air systems and process control applied in industrial and hospital environments, by Ultra Controlo's Engineering Department.

Touch-Screen Controllers QuAir 3



Trouble free

With an ULTRACECO, you will get, once for all, free of all the dangers related to the production of poor air quality, due to the oil injection into air network, carried out by oil lubricated screw, vane or piston compressors in the existing installations.

Your facilities will get rid of other problems which results from the frequent oil spills in the ground or released to the environment during pressure release in idle operation of the compressor. Besides, you will avoid the huge costs of separation and collection of oils from the condensate network, ending all the filth that pervades the air plants equipped with lubricated compressors.

ULTRACECO® secrets

The installation of an ULTRACECO, provides complete peacefulness and security in production of compressed air.

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

The smart choice

Advantages

Stronger and reliable: due to its patented technology, the compressor works more for longer periods at higher pressure;

Fully covered: protection from moving parts and hot spots;

Compact and robust: for better transportation and placement, keeping the resistance;

Low maintenance: the first maintenance is only at 10,000 hours;

Stand-alone: the final user just has to connect the compressor directly to a tank or to the network;

Low vibration: the vibration of the entire module was drastically reduced to increase the compressor's life span;

Low air temperature and pulsation: to protect the air line;

Quick change of the belt: it can be changed in 5 minutes, without disassembling the compressor.

Features

The unique piston compressor and totally-enclosed fan-cooled motor provide a long life and clean powerful air

The oil-free models provide high-quality clean air;

While oil-free, the models support the maximum pressure of 1.0 MPa, accommodating the needs of customers who require high pressures;

An anti-dust filter kit is featured as a standard component for preventing dust from entering the crank chamber. This helps prevent unexpected problems.



Available Equipment

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

Applications

Foods and beverages;	Paper processing;
Tobacco;	Leisure services;
Fiber industry;	Painting;
Pulp;	Others.



ULTRACECO ESW

Totally Oil-free Air Compressor;
Reduced Operation Costs;
Permanently Clean Filters;
Prolonged Maintenance Intervals;
Low noise sound;
1 year warranty.

Preventive Maintenance

With the Oil-less Piston Compressors, ULTRACECO COLOSSUS, the preventive maintenance is performed within a few instants. They also represent savings in the costs of service and replacement pieces
2 years warranty.

Technical specifications

MODEL	PRESSURE		CAPACITY			MOTOR		WEIGHT	NOISE	DIMENSIONS		
	bar	psig	l/s	cfm	m ³ /h	kw	hp			L (mm)	W(mm)	H(mm)
ESW 101	10		1451,2	2,6	4,3	0,75	1	62	82	753	415	562
ESW 101 CA	10		1451,2	2,6	4,3	0,75	1	83	67	753	652	689'7
ESW 102	10		1452,5	5,4	9,0	1,5	2	91	83	853	448	01
ESW 102 CA	10		1452,5	5,4	9,0	1,5	2	126	67	853	687	833
ESW 103	10		1453,7	7,9	13,2	2,2	3	133	85	1043	455	791
ESW 103 CA	10		1453,7	7,9	13,2	2,2	3	170	68	1043	694	920
ESW 105	10		1455,5	11,8	19,8	4	5	148	90	1143	509	871
ESW 105 CA	10		1455,5	11,8	19,8	4	5	199	69	1143	748	1004
ESW 107	10		1459,0	19,4	32,5	5,5	7	246	90	1213	618	931
	14		2038,7	18,6	31,2	5,5	7	246	90	1213	618	931
ESW 107 CA	10		2039,0	19,4	32,5	5,5	7	290	69	1213	927	1127
	14		2038,7	18,6	31,2	5,5	7	290	69	1213	927	1127
ESW 110	10		2032,7	27,1	45,6	7,5	10	379	92	1343	655'6	956
	14		2031,7	25,0	42,0	7,5	10	379	92	1343	55	956
ESW 110 CA	10		2032,7	27,1	45,6	7,5	10	491	70	1343	964	1152
	14		2031,7	25,0	42,0	7,5	10	491	70	1343	964	1152
ESW 115	10		2037,7	37,9	63,6	11	15	405	95	1343	655	956
	14		2037,0	36,4	61,2	11	15	405	95	1343	655	956
ESW 115 CA	10		2037,7	37,9	63,6	11	15	517	70	1343	964	1152
	14		2037,0	36,4	61,2	11	15	517	70	1343	964	1152

Capacities measured acc. to ISO 1217, Annex C, latest version. Noise level measured at 1 m acc. PneuropCagi PN8NTC2.

Technical changes can be done without previous notice.

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



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Specifications including appearance subject to change without notice.