

Breathing Air Purifier

ULTRATECH

Industrial Hospital Air Systems



Breathing Air Purifier ULTRATECH

ULTRATECH was the first equipment launched in Portugal by Ultra-Controlo, with conformity certification for the parameters of the Europeans Pharmacopoeia monograph.

ULTRATECH is an air processing unit capable of producing breathable air from air which comes from any type of compressor and which is installed in any location.

ULTRATECH was designed with a range of products able to maintain the equipment for a long period of time, 100% operational, without the need for frequent and premature maintenance.

Guarantees

High efficiency filters with a guarantee of 6.000 to 10.000 hours of continuous service without the loss of initial filtration characteristics, providing significant energy savings and extended replacement intervals. Minimum 3-5 years of continuous service for the adsorbent of the drying tower.

Key Benefits

- Adsorption dryer composed of molecular sieve towers;
- Has an activated charcoal tower;
- CO catalyser made up of an OX tower
- Filter free from binding agents, with a high particles content;
- Very low initial pressure drop resulting in energy savings;
- Filters fitted with "zero-loss" drains, with-out the wasting of air;
- Automatic drains with test buttons for operational control of the unit;
- Monitoring and digital control system, ULTRAGEST, for a very significant reduction in the power consumption and maintenance costs of the whole medical air plant;
- With digital dew point indicator.

Dimensions

MODEL	ARTICLE	NOMINAL FLOW INLET	REG. AIR FLOW AVRAGE	AIR OUTLET (MIN)(O2)	LOSS OF HEAT
		Nm3/h1	Nm3/h1	Nm3/h1	mbar
ULTRATECH 2	053.08.00409	35	5,3	28,5	180
ULTRATECH 3	053.08.00411	80	12	65,2	190
ULTRATECH 4	053.08.00412	100	15	81,6	220
ULTRATECH 5	053.08.00414	150	23	121,7	320
ULTRATECH 6	053.08.00415	225	34	183,2	220
ULTRATECH 7	053.08.00416	300	45	244,7	280
ULTRATECH 8	053.08.00418	375	56	306,1	350



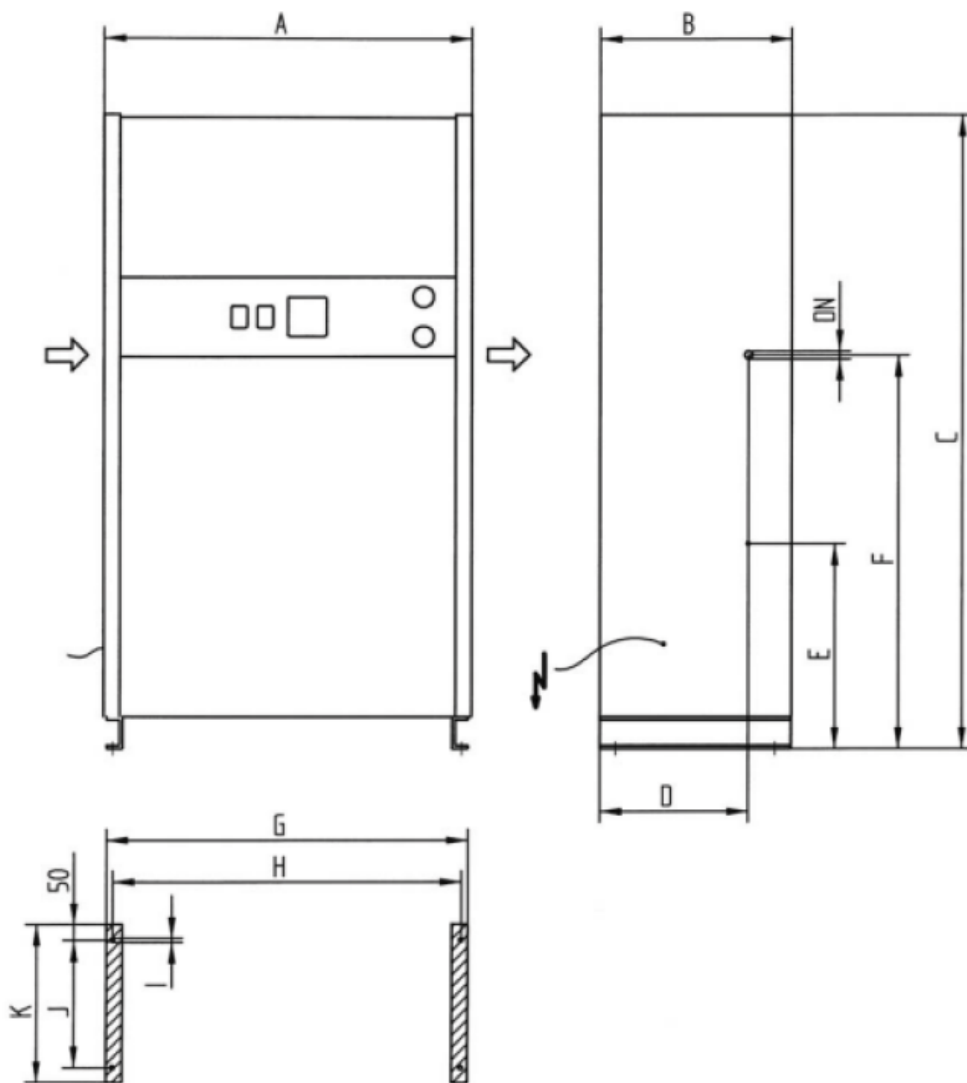
7 STAGES OF FILTRATION

1. High efficiency micronic filter
2. High efficiency sub-micronic filter
3. Adsorption drying columns
4. CO oxidation column
5. CO₂, NO and SO reduction Column
6. Activated charcoal column
7. Particle Separator Filter

Oxygen quality in accordance with the European Pharmacopoeia

Particles	< 1 µm
Oil (fluid phase)	<0.01 mg/m ³
Oil vapor and hydrocarbons	<0.003 mg/m ³
CO ₂	< 500 ppm
CO	< 5 ppm
SO ₂	< 1 ppm
NO _x	< 2 ppm
Nominal Dew Point	- 46 °C
Maximum Dew Point	- 70 °C
Tastes and smells	Absent

Dimensions



MODEL	DN	A*	B*	C*	D*	E*	F*	G*	H*	I*	J*	K*
ULTRATECH 2	G 1 / 2	650	340	1060	255	310	700	640	620	6,5	215	315
ULTRATECH 3	G 3 / 4	940	450	1610	315	415	900	920	880	13	350	450
ULTRATECH 4	G 1	940	450	1610	315	415	900	920	880	13	350	450
ULTRATECH 5	G 1	1140	600	1980	465	535	1125	1120	1080	13	500	600
ULTRATECH 6	G 1	1140	600	1980	465	535	1125	1120	1080	13	500	600
ULTRATECH 7	G 1 1 / 2	1140	600	1980	465	535	1125	1120	1080	13	500	600
ULTRATECH 8	G 1 1 / 2	1580	700	2190	530	660	1250	1520	1520	13	600	700

* (mm)

