



ECOTRON

CONDENSATE FILTERING SYSTEM BY DEVAIR

ECOTRON OFFERS A COMPLETE SOLUTION TO THE CONDENSATE DISPOSAL PROBLEM

- › Suitable for all systems:
 - every type of compressor
 - every type of oil or emulsion*
 - every type of drain
- › Two-Stage filtration process
- › Same capacity for every type of oil
- › Same capacity for every type of compressor
- › No stagnant oil and water volumes
- › No bacteria growth
- › Electronic status indicator
- › Small footprint
- › **Easy to install and service**

* For Poly-glycol oil contact our Technical Department.



Model capacities range from 88 to 2119 SCFM

AIR COMPRESSORS YOU KNOW YOU CAN TRUST



The condensate discharged by a lubricated air compressor contains a significant quantity of oil and solid particles that, if not properly removed, will seriously pollute the environment. This mixture is classified as hazardous waste that cannot be discharged into municipal sewage systems unless the oil and contaminants are removed.

DEVIAIR **ECOTRON CONDENSATE FILTER** OFFERS A COMPLETE SOLUTION TO THE CONDENSATE PROBLEM:

- › EASY TO SIZE
- › EASY TO INSTALL
- › EASY TO TEST AND MAINTAIN

HOW DOES IT WORK

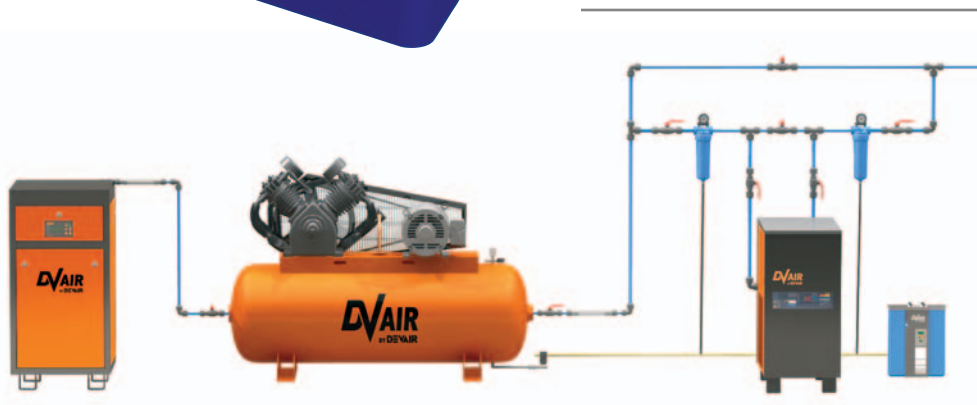
The system is based upon a simple process of filtration in 2 stages through 2 different filters.

From the inlet connection, condensation is introduced into a noise/pressure reduction pre-chamber (1) to allow the condensate to flow smoothly inside the separator.

In this chamber, solid particles are retained by the demister path (2), and any residual, de-compressed air is discharged from the top part (3) through an odor-removing activated carbon filter.

After this initial stage the mixture of water and oil flows via gravity down through the first filter (4) which, thanks to its physical characteristics, intercepts "only" the oil, and the water is consequently free to flow into the second stage of filtration where a deep bed of activated carbon (5) adsorbs any residual traces of oil, before the water is discharged from the outlet port.

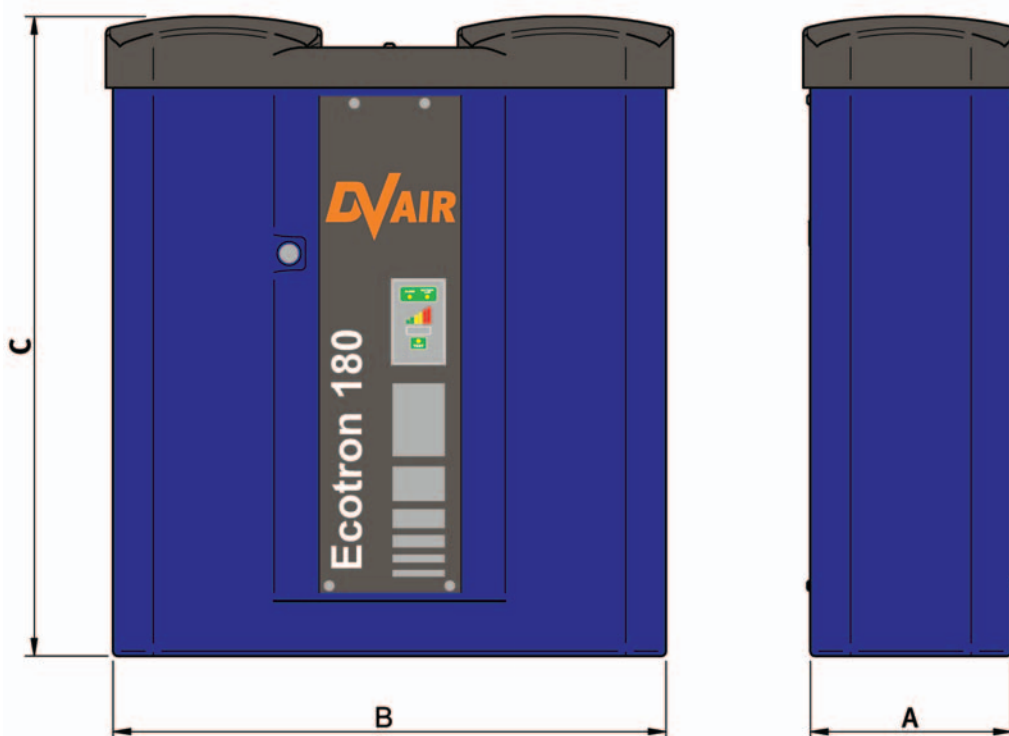
A patented electronic device (6) located next to the first filter (4) which gradually indicates the efficiency level of the first filter, allowing an easy check up of the unit. When the filter (4) is saturated an ALARM is shown (7) in the display, and a remote free contact advises the operator when the filters must be replaced.





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Model	SCFM	Dimensions A x B x C	Weight (lb.)	Inlet	Outlet	Repl. Kit
Ecotron 25	88	7" x 20 1/4" x 25 1/4"	17.6	1/2"	1/2"	KTRON25
Ecotron 50	177	7" x 20 1/4" x 25 1/4"	19.8	1/2"	1/2"	KTRON50
Ecotron 90	318	10 1/4" x 28 1/4" x 32"	39.6	1/2"+1/2"	1/2"+1/2"	KTRON90
Ecotron 180	635	10 1/4" x 28 1/4" x 32"	46.2	1/2"+1/2"	1/2"+1/2"	KTRON180
Ecotron 300	1,059	16 1/2" x 42" x 49"	129.8	3/4"+3/4"	3/4"+3/4"	KTRON300
Ecotron 600	2,119	16 1/2" x 42" x 49"	138.6	3/4"+3/4"	3/4"+3/4"	KTRON600

Correction factors for different ambient air temperatures and different relative humidity.

Temp. °C - hum. %	10 °C - 50 %	18 °C - 55 %	25 °C - 60 %	35 °C - 70 %
Factor	2	1.5	1	0.45

Discharge contains less than 5ppm of oil.