



ECOTRON

CONDENSATE FILTERING SYSTEM
BY DV SYSTEMS



COMPLETE CONDENSATE DISPOSAL SOLUTION

- › Easy to install, service, test & maintain
- › Suitable for most systems:
 - Every type of compressor
 - Most types of oils or emulsions
 - 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

Model capacities range from 88 to 2119 SCFM

www.dvcompressors.com

ECOTRON
BUILT BETTER
100+ YEARS OF ENGINEERING & MANUFACTURING EXCELLENCE



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The condensate discharged by a lubricated air compressor contains a significant quantity of oil and solid particles that will seriously pollute the environment if not removed. This mixture is classified as hazardous waste that cannot be discharged into municipal sewage systems unless the oil and contaminants are removed. The Ecotron Condensate Filtering System ensures that all oil contaminants contained in discharged condensate are effectively removed, protecting our environment.

HOW DOES IT WORK

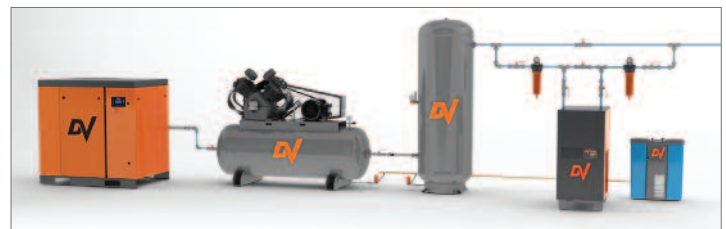
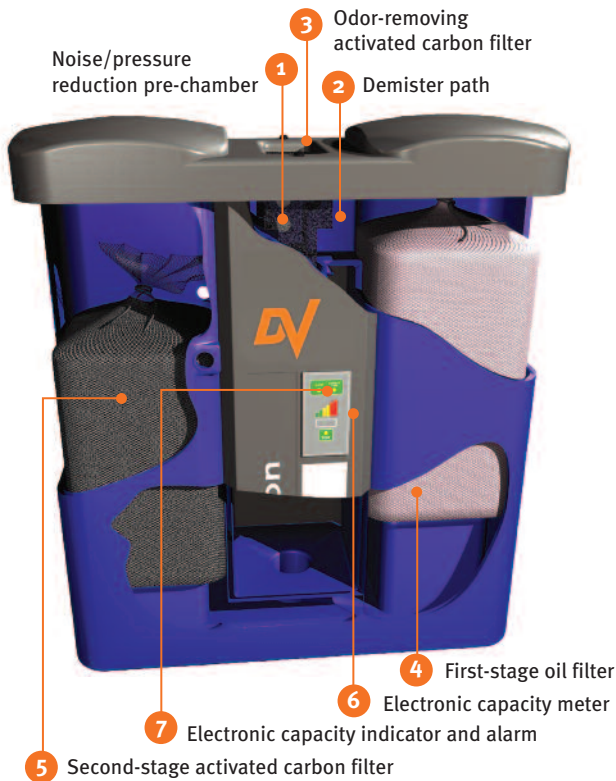
The system is based upon a simple process of filtration in 2 stages through 2 different filters.

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) 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.



Model	Total System		Dimensions A x B x C	Weight (lb.)	Inlet	Outlet	Repl. Kit
	SCFM	HP					
Ecotron 25	88	20	7" x 20 1/4" x 25 1/4"	17.6	1/2"	1/2"	KTRON25
Ecotron 50	177	40	7" x 20 1/4" x 25 1/4"	19.8	1/2"	1/2"	KTRON50
Ecotron 90	318	75	10 1/4" x 28 1/4" x 32"	39.6	1/2"+1/2"	1/2"+1/2"	KTRON90
Ecotron 180	635	150	10 1/4" x 28 1/4" x 32"	46.2	1/2"+1/2"	1/2"+1/2"	KTRON180
Ecotron 300	1,059	250	16 1/2" x 42" x 49"	129.8	3/4"+3/4"	3/4"+3/4"	KTRON300
Ecotron 600	2,119	500	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.



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As we are continually trying to improve our products, specifications are subject to change without notice.