Ecotron Oil / Water Separators

Protect the Environment

AURORA®
Performance Compressed Air Systems

THE PROBLEM:
Oily condensate disposal

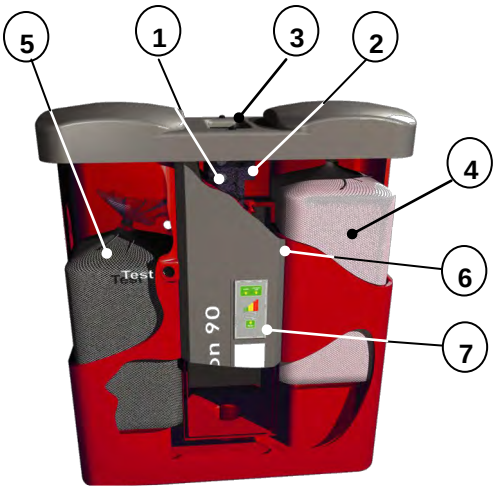
The condensate discharged by a lubricated air compressor contains a significant quantity of oil and solid particles that, if not properly removed will seriously pollute the environment.

In the last 10 years, several different oil / water separators have been launched into the market, but none of them offers a complete solution to the condensate problem: easy to select, install, test and maintain…….. until ***Ecotron™***. Because of the different type of compressors, lubricating oils, climates and temperatures throughout the year, drain traps used in the system, environment and pollution, sizing and selection of existing separators has been developed on field experience rather than with corrections factors. Problems of flooding caused by blockage of the filter elements are very common in the market. More often the procedure to replace a filter element is complicated and unfriendly . This is simply not the case with ***ECOTRON™.***

THE SOLUTION:

The new oil / water separator system has been engineered to specifically to solve these problems in a very unique way. The ***ECOTRON™*** incorporates a 2-stage filtering process that adsorbs the necessary amounts of contaminants without the need of complicated sizing formulas or the need to be installed perfectly level like many gravity separation units do.

IT ADSORBS EVERY TYPE OF OIL, EVEN A MIXTURE OF SEVERAL OILS FROM ANY TYPE OF CONDENSATE DRAIN!



HOW IT WORKS:

The system is based upon a simple process of filtration in 2 stages through 2 different filters. From the inlet connection, oily condensate is introduced into a noise & pressure reduction pre-chamber (1) to allow the condensate to flow smoothly and turbulent free inside the separator.

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

After this initial stage, the mixture of oil and water flows via gravity down through the first filter (4) which, thanks to it's physical characteristics, intercepts ***only*** the oil. 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.

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

Model	Compressor capacity SCFM	Dimensions W x D x H	Weight Lbs.	Inlet Connection Size	Outlet Connection Size	Compressor HP	Replacement kit
ECOTRON 25	88	21 x 7 x 26	18	1/2"	1/2"	15	KTRON 25
ECOTRON 50	177	21 x 7 x 26	20	1/2"	1/2"	40	KTRON 50
ECOTRON 90	318	29 x 11 x 33	40	(2) x 1/2"	1/2"	60	KTRON 90
ECOTRON 180	635	29 x 11 x 33	47	(2) x 1/2"	1/2"	125	KTRON 180
ECOTRON 300	1,059	43 x 17 x 50	130	(2) x 3/4"	3/4"	200	KTRON 300
ECOTRON 600	2,119	43 x 17 x 50	140	(2) x 3/4"	3/4"	400	KTRON 600

Capacity is based on a total air system condensate , operating in a 77°F (25 °C) ambient with 60% RH. Consult factory for other conditions.

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