

## KSI ECOCLEAN AFE

### Alternative Filter Elements for Third Party Filters

KSI produces an extensive range of alternative filter elements to fit other manufacturers filter housings. Our in-house technology ensures complete control of the production process and safeguards the KSI quality of each filter element. Our strong market position allows us to quickly respond to the latest

market demand and the large production volumes result in very competitive pricing levels.

We carry large stock for our customers, thus offering fast deliveries of most of the alternative filter elements.

KSI  
production

## ECOCOMP

### Filters for Compressors and Vacuum Pumps

Since 1998, KSI has supplied the compressed air industry with OEM-quality filters and oil separators for compressors and vacuum pumps. A huge storage space exclusively for this product group ensures that over 96% of all orders can leave the same day.

All **ECOCOMP** products are designed for maximum performance and are subject to systematic develop

ment. The **ECOCOMP** product range includes over 7000 original references.

Features:

- highest quality, best performance
- best materials, longest lifetime
- durable and solid industrial quality
- protects compressors, vacuum pumps and compressed air systems



## KSI – the Strong Partner for the Compressed Air Industry

### Engineering, Design, Manufacturing

Quality is decisive! And this is especially true when outstanding quality meets an interesting price-performance ratio. This is the case with **KSI Technologies**, which was founded in England during the spring of 2006 and supplies the entire UK and Irish compressed air market from their headquarters in Norwich UK.

The core business includes four product lines:

- **KSI ECOCLEAN** Filtration Technology
- **ECOTROC** Adsorption Technology
- **KONDRAIN** & **KONTREC** Condensate Management
- **KSI ECOCONTROL** Online System Monitoring

From this site our design engineers, technicians and mechanics develop and complete product ranges, prepare technical drawings, build and test prototypes. The manufacture and assembly of compressed air filter elements, Compressed air filter housings, condensate separator and desiccant dryers is also conducted in Norwich.

We would welcome the opportunity to give you a tour of the factory.

### Get in touch!

**KSI Technologies Ltd**

Unit 1, Sapphire Business Park,  
Roundtree Way  
Norwich NR7 8SQ

Tel 01603-558178  
info@ksi-ltd.co.uk  
www.ksi.eu/en

Visit  
our  
Website!



## KSI ECOCLEAN APF Compressed Air Filtration

High performance filtration and separation for treatment of compressed air and compressed gases in industrial supplier quality



110 mbar  
0,01 µ  
saturated

APF / ADVANCED  
PREMIUM  
FILTRATION



### Highest quality through manufacturing competence

**KSI ECOCLEAN** APF compressed air filters meet the strictest quality requirements and are economical in purchase price, operation and maintenance. The housing is made of die-cast aluminum and is protected with a cathodic dip coating (KTL) as well as an additional powder coating on the outside. The elements are built according to a new pleating technology that contributes to an extremely low differential pressure, making the APF range a market leading compressed air filter.

### The KSI ECOCLEAN APF | APE Plus-Effects +++

- + significantly reduced energy costs
- + **NEW:** high-density deep-bed pleating
  - approximately 250% larger filtration surface compared to a conventional pleated element
  - about 25% larger filtration surface compared to a conventional deep-bed pleated element

### Other Filter Types



# ECOTROC Desiccant Dryers ECOTROC Activated Carbon Adsorbers



## ECOTROC: KSI solutions in three different ranges

The **ECOTROC** range of desiccant dryers achieves pressure dew points up to -70 degree C in a reliable manner. The desiccant dryers are available in a compact range up to 110 cfm (ATK-APN), and a full range with welded vessels is available up to 705 cfm (ATKM) and 1,800 cfm with flange connection (ATK).

In addition, KSI offers **ECOTROC** activated carbon adsorbers to provide highest air quality with a residual oil content down to 0,003 mg/m³. The **ECOTROC** product group consists of the lighter ATK-APN aluminium version, ATCN standard welded version and the ATK version with flange connection.

## The ECOTROC Plus-Effects +++

- + delivery of ready-to-connect units
- + robust and solid construction
- + modular concept allows individualized designs
- + high-end plant construction ► high power reserves & safety
- + linear dew points ► constant compressed air quality
- + use of quality desiccants ► more safety in performance
- + floor fixation possible
- + design adapted to room conditions possible due to symmetry of piping and components
- + brand components ► simplified maintenance & high operational reliability

## Further dryer types:



# ECOTROC® ATW-S Heat-regenerated Adsorption Dryer



Heat-regeneration by heated blower air in countercurrent direction to the adsorption process. Cooling by blower air



no purge air  
**Zero Purge**  
compressed air  
loss-free

## Adsorption drying at it's best

The heat-regenerating adsorption dryers of the series **ECOTROC® ATW-S** are uniquely innovative, unbeatably efficient and remarkably reliable. Moreover, they can be individually adapted to all requirements and conditions. Premium quality, made in Germany.

The composition and continuous further development of existing, proven drying technologies are the basis of the new **ECOTROC® ATW-S** adsorption dryers. The use of state-of-the-art controls and continuously optimised drying processes guarantee the technical lead for these novel system solutions, which redefine the market for adsorption dryers.

## The ECOTROC® ATW-S Plus-Effects +++

- + High-end plant engineering ► High performance reserves & safety
- + linear dew points ► constant compressed air quality
- + intelligent process solution ► favourable energy costs
- + efficient, long-lasting desiccant ► constant, high compressed air quality
- + very low energy consumption
- + **Zero Purge:** no purge air needed
- + brand-name components ► Simplified maintenance & high operational reliability
- + modular system concepts ► price-efficient
- + dew point control optional ► safety plus and energy-saving
- + special versions possible, e.g. stainless steel version
- + also safely suitable for critical environments
- + intelligent control ► process safety & linear pressure dew point
- + energy cost reduction, e.g. through dew point control or loop cooler
- + optionally also with superheated steam heat exchanger
- + heat recovery optionally possible