

WELCOME TO THE SEPTEMBER 2014 EDITION.

Welcome to the third edition of the Allied Filter Systems Newsletter, a publication which will be distributed quarterly to our customer network.

This newsletter will keep you informed about updates within our business, and will feature articles about new products, specific

application case studies as well as other information that may be beneficial to our relationship with your company.

Thank you very much for reading, and if there is anything you would like to see featured in the next edition, please feel free to contact us.

Chris Thompson DIRECTOR

NEW

Allied Filter Systems was proud to be selected to produce filter housings for a state-of-the-art power generation facility in the UK. See next page to find out more.



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Power generation plant, UK

The 10” duplexed basket filter..... **pg 2-3**

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CASE STUDY

POWER GENERATION PLANT, UK



The largest filter was a 10" duplexed basket filter which is to be used for oil filtration to 50 micron, with a flow rate capacity of 350 – 400m³/hr.

The unit featured two 10" ANSI 150 flanged IBF series basket filters,

flanged tees and Viton lined 10" butterfly valves. The overall size was around 2m wide x 2m high, and weighed approximately 1 Tonne.

The project also included two of our HD42 bag filters for oil and fuel filtration at 200 micron and flow rate of 90m³/hr.

All of the vessels and supporting documentation were inspected at our production facility by the client's nominated independent inspector, and were delivered on time to site during August.



ALLIED FILTER SYSTEMS WAS PROUD TO BE SELECTED TO PRODUCE FILTER HOUSINGS FOR A STATE-OF-THE-ART POWER GENERATION FACILITY IN THE UK.

PRODUCT FOCUS

CHOOSING A FILTRATION SYSTEM

When choosing a filtration system, the overall cost of ownership of the filter is a key consideration. Bag filters are very often an economical solution in many applications, but optimizing the choice of filter bag is critical to getting the most from the system. One especially important consideration is filter bag lifetime, particularly for continuous processes or batch sizes which require multiple changeouts.

Many customers have turned to our High Capacity ("HC") filter bags to provide the optimum solution for their process.

"HC" bags can be used in an existing installation by just changing the standard internal basket for a high capacity design. The HC bags have a surface area around 70% larger than a traditional filter bag, and therefore provide longer on-stream life.

HC bags can be made from any of our filter media, including our extended life fabrics, which can further enhance the lifetime benefits of the product.

For new applications, starting out with a high capacity system can also reduce the initial capital investment of purchasing a filter system. For example, if the desired flow rate is too big for a single size 2 bag, but perhaps only marginally, why buy two size 2 housings, when a single housing fitted with an HC basket can be the solution? Take that a step further to think about bigger units like a 4 bag vessel with high capacity bags, which would provide more filtration surface area than a conventional 6 bag unit and take up less space.

Additionally, fewer bag changeouts means less downtime, less filter disposal costs and lower filter storage space. HC baskets also reduce the internal void volume inside the vessel compared to conventional baskets, so there is less product loss too. The advantages are many.

One customer, who used to consume thousands of standard size 2 filter bags, discussed the cost of filter ownership issue with Allied Filter.

After consultation, they replaced all the baskets in their housings on site to fit our high capacity filter bags, citing the "unbearable" cost of cleaning standard baskets at every changeout, which is mandatory for their process, as the driving force. After having used the HC bags now for many months, the conclusion of their purchasing manager is simple.....

"We will never go back".



OUR PEOPLE

INVESTING IN THE FUTURE...

One year ago, Tom Rasburn started with us as our first apprentice in the position of sheet metal worker.

At the time of starting, Tom had little or no experience in any fabrication or welding.

After considering several training providers, we selected Alliance Learning in Bolton, one of the most well established centres in the North West. After his first year, Tom has gained many new skills in both fabrication and welding, as well as learning other parts of the production process such as metal finishing and pressure testing.

Tom has become a valuable member of the company and his progress has been quite astonishing to see. To quote a recent comment by one of his tutors that visited our factory,

“Tom has the potential to become apprentice of the year”.



FROM
START, TO...



In July, Martin Saunders and Adam Jones took part in the Manchester to Blackpool bike ride to raise money for the Christie. The 60 mile journey is predominantly country lanes, starting from Manchester United football ground and finishing on the South Promenade at Blackpool.

Martin and Adam, raised nearly £400 between them.

BIG
THANKS YOU FOR ALL YOUR DONATIONS.



TOTAL FIGHT

In August, Magali Davies took part in a Total Warrior Event in the Lake District. Total Warrior is the pinnacle of obstacle racing - with 25 to 30 punishing obstacles designed alongside ex-military personnel, it's a test of strength, stamina, mental determination and teamwork. Success is not about speed, it's about giving everything you have to cross the finish line. All members of the team were fundraising for a charity of their choice, Magali raised money for Children with Cancer UK, the leading national children's charity dedicated to the fight against all childhood cancers.

Around 2,400 children and teenagers are diagnosed with cancer every year in the UK, this charity's aims are to determine the causes, find cures and provide care for children with cancer. Magali said

“This challenge has been one great experience and I will definitely be doing it again next year, hoping more friends and work colleagues join us!”.

Would you like to contribute to the next edition?

Any praise, suggestions, or comments... charitable, home or workprocess? Share your story, and receive a £15 Amazon **THANK YOU VOUCHER.**

HAVE YOUR SAY

TO CONTACT US (send us your stories, comments or questions):

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