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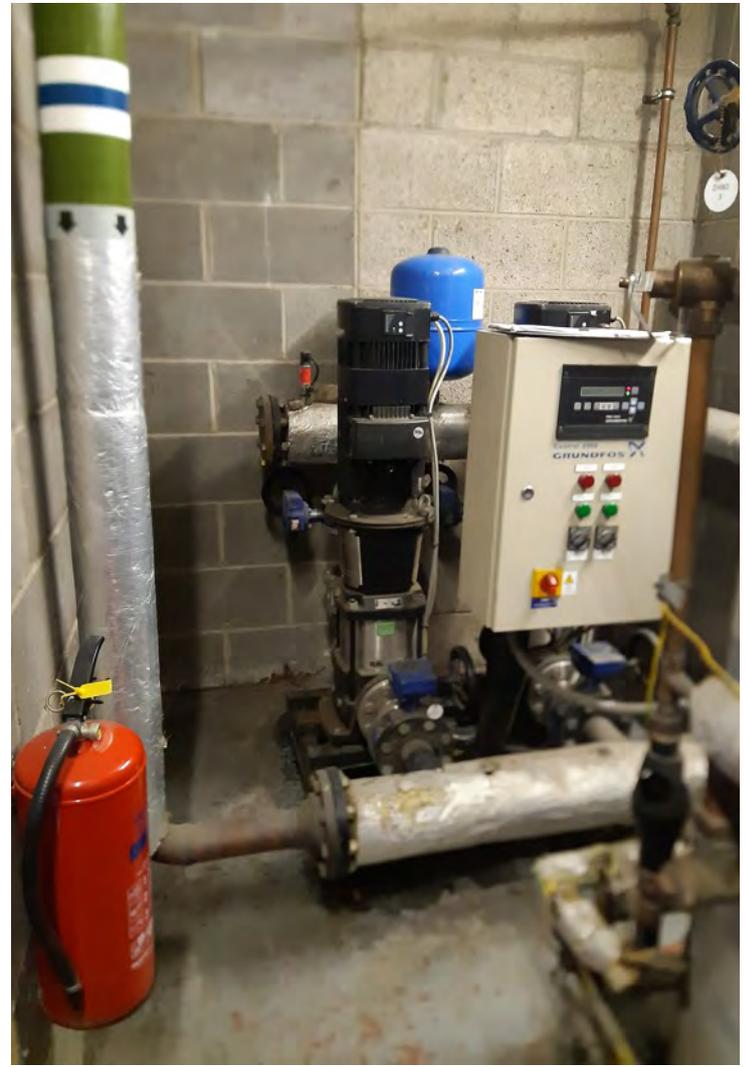
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NEWSLETTER JULY 2020

LEITH HOTEL GETS A BOOSTER PUMP UPGRADE

Here is a picture showing a new twin pump variable speed drive potable water booster set that we have been waiting to install.

The job was delayed due to the lockdown but the hotel is now up and running again. The pump set was built and then dismantled again so that we could get it inside the building and before we could install it in its designated place where it will work for many years.



This was the old set that was taken out and replaced. The whole operation started at 3pm and was done, dusted and commissioned by 8pm the same day which is good going.

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Here are the remains of the old pump set which had to be dismantled to allow us to remove it. You look at a pile of components like this and us older guys think to ourselves “ That could be up and running again with a bit of serious refurbishment” but the fact is that the client is much better advised to scrap the lot, get a new upgraded system installed and get on with life rather than trying to limp along with this old setup. It would actually cost more in labour trying to refurbish it. Such are the times in which we live !

SHL SPECIALIST MARINE PUMPS

To the right are two rather special marine pumps which were ordered by a regular customer of ours who is building a rig to carry out scientific analysis of sea water from a special survey ship, working out in the far ocean.

The pumps had to be made of DUPLEX stainless steel , have special mechanical seals fitted and be driven by IP67, marinated motors with heaters. To top it all off, a special marine paint finish was required which we have only been asked for on a couple of occasions before, by a few of our Offshore Customers. Once again, it was Crest Pumps who came up with the best option and we are pleased to report that the pumps turned up on time with all the documentation required and all the boxes ticked.



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THE MULTI-STORY FLATS STORY. CHAPTER TWO

Further to our installation of the new booster pump station at the multi-storey flats, we also eventually received the go ahead to replace the old pump system installed on the roof.

So sitting down with the lads we went over the Health & safety aspects of the job to allow us to prepare the RAMS.

The lift was the first thing that came up. Should our men all get in the lift together ? Answer -----NO !



Covid-19 two meter distancing is not an option in a lift. One at a time lads !

If the lift gets stuck and everyone is in it, how do we raise a warning. Go one at a time lads !

Should our men take an emergency supply of food and water with them should they get stuck in the lift ? Kendal Mint Cake and a bottle of Iron Bru.

High altitude sickness. Can we get pills for that ?

Emergency oxygen to counter the effects of high altitude ?

Should we stop the lift several times on the way up to allow time to acclimatise and counter the effects of high altitude ?

When on the roof, should we be wearing harnesses and clipped to the railings in case of high winds ?

Are parachutes a serious option ?

So as the discussion progressed and the conversation slowly returned to reality, it moved to which day we could install the new pump set.

“ Dougie is only available on Tuesday’s “ one of our lads piped up.

“Who is Dougie ? ” I enquired.

“He’s the man from the council who is there to supervise us “ I was told.

“ Why does he need to be there “ I rather naively asked.

“ His job is to stop us if anyone tries to throw themselves off the roof”

Our lads are big fellows. Dougie must be a brave man because I would not want to try to stop them.

Official Note.....
This is actually part of the official protocol for working on top of these tall buildings.

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The old pump unit sits waiting to be removed.



The new twin pump set sits waiting to be commissioned with the new lagging on the pipe work now complete.



Here is a last chance to admire the view from the rooftops. We are looking North over to Fife with Inchkeith Island in the foreground.

John,

Thank you very much for all you and your Teams hard work and effort to get the pump situation at XXXXXX House resolved. Hopefully the new systems will ensure that there will be no issues there for a while. Your assistance has been very much appreciated with dealing these issues. Cheers.

Regards

TAM.

Another satisfied customer, despite difficult circumstances. Well done boys !

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NEW PUMPS FOR EAST COAST BOILER HOUSE

Our readers will recall the last month's photographs of our Leith workshop "Stowed out" with big, shiny, new pumps, which were waiting for an installation date which had been delayed due to the virus epidemic.

As another sign of things gradually returning to normal, we got the green light last week to go ahead and so the first step was to strip out the old pumps from the boiler house and get the new pumps in place.



Two of the old pumps awaiting a journey to the scrap yard.

The new pumps are delivered to the boiler house on pallets and are carefully placed to tie up with the existing pipe work. These pumps will all be fitted with flexible bellows to allow for expansion in the system and to help reduce any vibration.



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Before this project was quoted out we had to survey the boiler house to not only ensure that we were providing pumps that will deliver the correct flow and pressure , but pumps which will provide a flow at the correct velocity to cut down noise in the system. The motor mountings have to be considered too as is the length of each pump to ensure what we offer is a viable replacement and will fit in place with a minimum of alterations.



Although the bucket pictured here is not mandatory, we don't know how good the integrity of the isolation valves is so it might just come in handy !

So with the first stages of this installation beginning to take shape we leave you with a picture of our youngest fully qualified engineer and electrician, "Young Josh", who looks as if he wishes he had stuck in at the school and got a nice office job instead ! Not to worry Josh, It will be alright on the night !



Young Josh,,,,,,,,,
,,he has always been a worrier .

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FOUR SPECIALIST CREST CHEMICAL PUMPS

It is quite unusual to be involved in something entirely new in the world of pumps as no matter what one finds oneself involved with, it transpires that someone has got their first and all you have done is re-invent the wheel again.

However, in a small way, this time around things are different.

The above photograph shows four 25mm PN16 flanged, Crest Chemical Pumps type CSP-AMX220FGACV.

These self-priming pumps are machined out of solid blocks of polypropylene and fitted with magnetic drives which means that they do not have mechanical seals fitted rendering them effectively leak proof.

On first sight of these little beauties, you can just tell that these are quality products that will be just perfect for the task we have bought them for.

We are using these pumps on a rather odd application for the MOD, working through Babcock International. The job is quite straightforward but the regulations surrounding the application make a guaranteed leak free environment essential to the operation.

However, we were a bit taken aback when we went to place the order for these pumps to be told that the factory had never built that model of pump before !

However, having dealt with Crest Pumps for many , many years, we were confident that Crest Pumps would execute the order to the same high standards that we have always enjoyed and come to expect, when working with them.



As you can see, our confidence in Crest was well placed and these four excellent pumps are the result. We can predict that once the chemical world realises that this product is available, it will become a best seller and we suspect that this order will be the first of many. Crest Pumps manufacture a whole range of different pump designs in a multitude of materials for every chemical application

imaginable. If you have any requirements for corrosive resistant pumps whether it be acid, alkaline, or just plain sea water, please get in touch where our sales people will be glad to advise.

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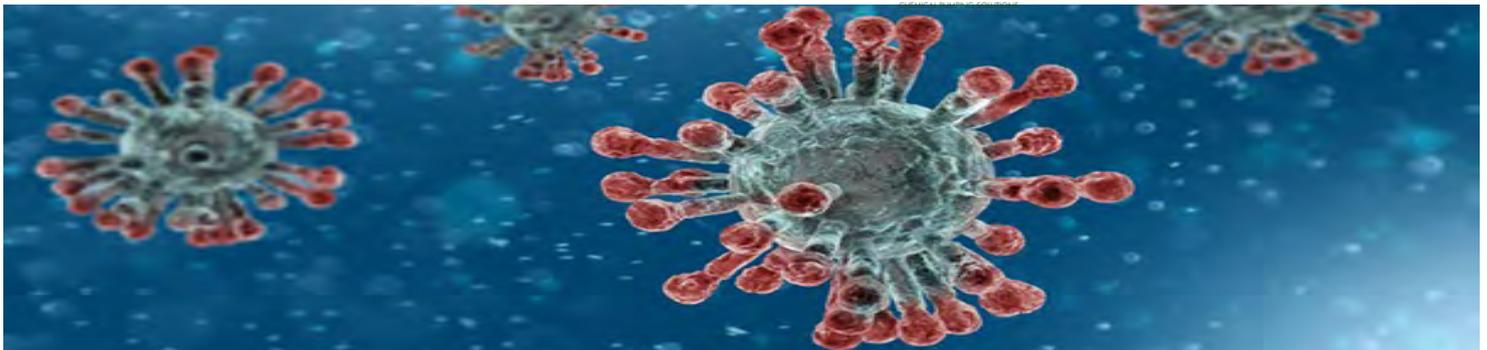
CREST VSL 316 STAINLESS STEEL PUMP & COVID -19 WASTE DISPOSAL TANK SYSTEM



Another interesting order we received at the start of the month was for a VSL 15 Stainless Steel Crest Pump like the one shown above, complete with a 600mm diameter x 500mm deep stainless steel tank and sealed lid system, which the pump sits on top of. The pump is immersed into the liquid and does not have a mechanical seal fitted which allows it to cope with running dry for short periods without causing any damage. The tank system comes complete with two rotating CIP nozzles, an anti-vacuum valve, a pressure relief valve, fittings for a specialist level control system and a 0.2 micron breathable Hydroclean filter to remove water particles suspended in air. .



This hand built pump and tank system is being used to collect effluent from a test laboratory which has recently landed a government contract worth many millions, to develop a vaccine to combat the Covid-19 virus. We hope that our client makes the breakthrough that they are looking for and it would be nice to think that if they do get such a result, that Ferrier Pumps was able to have made a small contribution in helping to combat this nasty virus.



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REPAIRS, REPAIRS, REPAIRS



The workshops in Aberdeen , Glasgow and Edinburgh continue to be busy .

The picture of the `trolley shows a collection of relief valves and gauges that have been fully refurbished and re-calibrated .

Multi stage pumps are still being refurbished , tested and palletised ready for a return to our customer.

And again, ventilation fans appear on a weekly basis which generally require new bearings and the electrics tested.

The repair and maintenance side of things has continued as normal despite the Corona-19 virus disrupting most other aspects of our business.

If any of you customers out there require any anything refurbished and brought back to 100% health, let us hear from you.



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NEW PRESSURISATION UNIT FOR RAF BASE



Above is a picture of a nice new twin Wilo Pressurisation Set which we installed last week.

These units have come a long way in improved reliability compared to the older designs.

Like many things in the world of pumps, electronics have taken an increasingly important role in operating and monitoring such equipment.

Above you can see the digital display which gives status, alarms and fault signals.

This takes out a lot of the guesswork should a fault in the system be detected.



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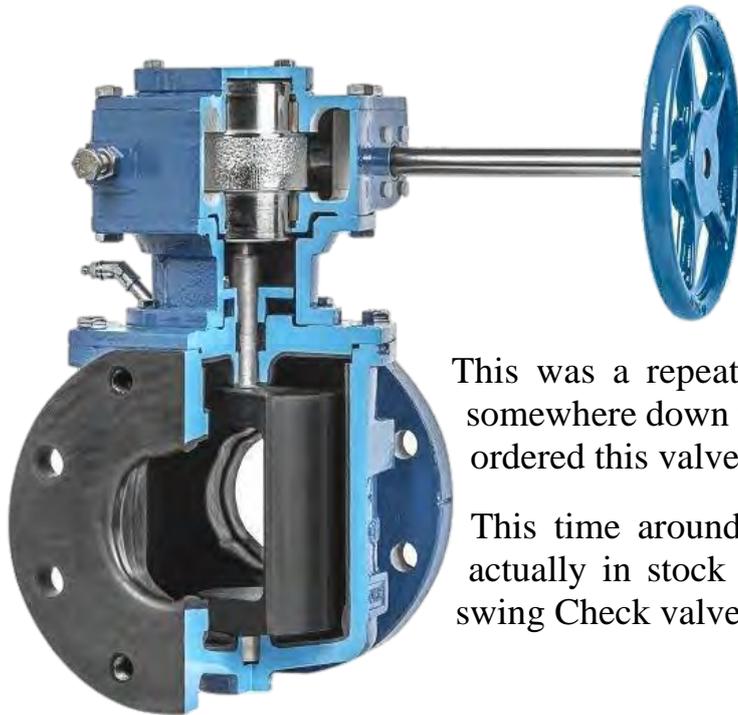


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LARGE ECCENTRIC PLUG VALVE ORDER



One interesting order we received last month was for a 14" De Zurik Eccentric Plug valve in Cast Iron with PTFE packed gland similar to the one pictured above..

This valve is fitted with WRAS wetted parts and comes with a geared handwheel.

This was a repeat order for use at a Water Treatment Plant somewhere down the Borders and we recalled that when we last ordered this valve, it was on an eleven months delivery.

This time around, when we went to order the valve, it was actually in stock along with two DN350 BS5153 Metal Seat swing Check valves which our customer also required.

Our customer was delighted as they were expecting the same eleven months lead time on the new valve and a barrage of traditional excuses such as, "not much we can do, we will see what can be done, computer says no story" and so to cut the story short, the kit was delivered to site without fuss and promptly installed. It's possible that we just got lucky and were able to pick up part of a cancelled order, or perhaps, due to the Covid-19 virus, this equipment, had been allocated for another project which has since been delayed, but either way, it seems it is an ill wind that blows nobody any good !



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GENERATOR TO POWER A LARGE HORTICULTURAL TWIN BOOSTER IRRIGATION PUMP SET



The picture above shows a 33KW generator we recently sold to one of our agricultural customers who is using it to power up the twin booster pump set pictured below which were supplied together as a package set for irrigation.

This arrangement will allow our client to provide much needed water across many acres of land, fed from a series of reservoir ponds that are dotted around the estate. These ponds were originally put in place to provide an emergency source of water in the event of fire. The generator is fitted with extra large fuel tanks to enable extended use between filling and is super silent so to not disturb the local bird life when nesting. The generator fuel tanks are also fully bunded to provide complete containment in the event of any leakage. Instead of the generator stopping and starting manually or by means of a pre-set timer, it is controlled through a telemetry system operated by a mobile phone. This way the generator and pump system will not run when it is a rainy day or at any other time other than when the farmer deems that irrigation is necessary. Given the remote location of the equipment, this saves the farmer having to embark on a forty minute round trip every time he wants to irrigate his plantation. Progress is indeed a wonderful thing !



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TWO NEW PUMPS FOR A POSH SKOOL

Here is a story about what happens when things don't go right for a change.

We were asked to take out two old pumps that had been in service for many, many, years.

That was no problem, all we had to do was measure the flange sizes and the length of the pump body and provided we get the flow and head right for the new pumps all would be well.

To make our life even easier, we selected pumps with slotted flanges rather than drilled flanges.

All went well until we went to fit the new pumps.

It transpired that the slotted flanges on the new pumps only go down from PN16 to PN 10 and what we required was PN6 !!

So we took away the spool pieces and drilled them out to suit. We then went back to site.



That is when we discovered that the old pumps had tiny tapping points to allow transducers to be fitted and the new pumps were then drilled to accommodate this.

Back to the workshop, back to site and this time we got the result we wanted.

Phew ! Three trips instead of one.

All's well ends well !

If we call it a job creation scheme can we get a government grant for doing this ?

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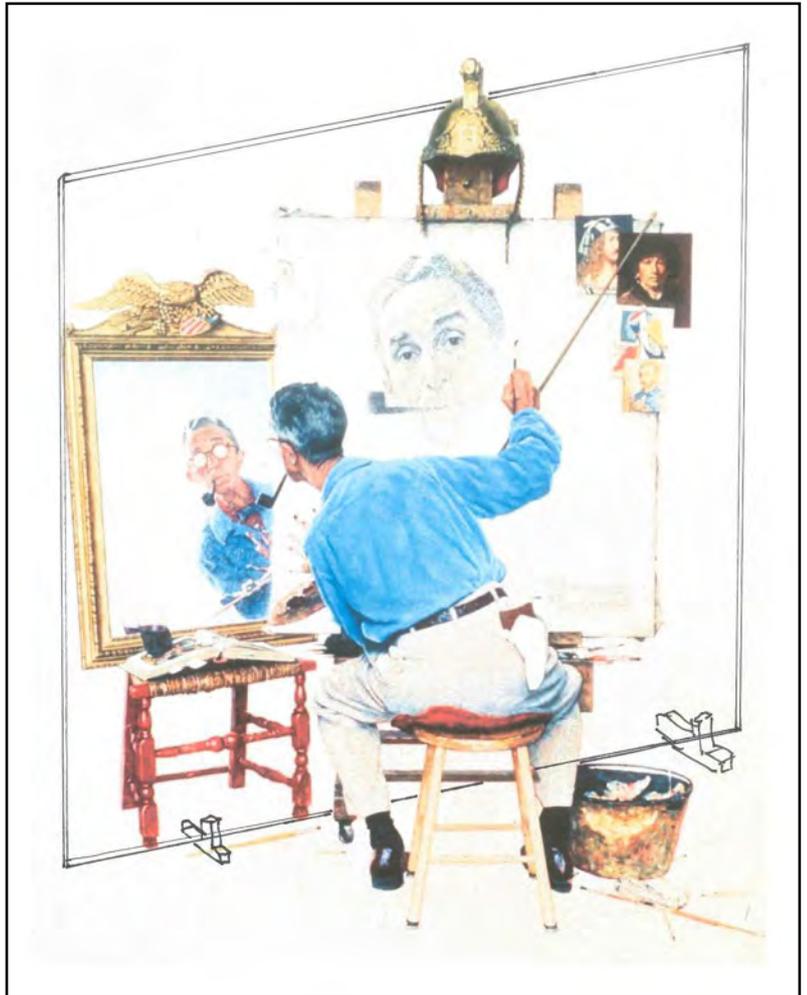
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CORONA-19 VIRUS UPDATE

Over the last three months, we have all had to adapt the way we go about our daily business to be safe for ourselves and others and avoid catching this nasty virus. Special face masks and other PEP equipment have all come into play, gloves, alcohol wipes and hand sanitiser, quarantine areas as well as one man one van policies have all come into play. Last month, we showed pictures of the Perspex screens we have erected throughout our offices to try to avoid the spread of the disease.

The picture to the right shows how the great American artist Norman Rockwell, mindful of the need for self-isolation, would have adapted his technique to paint his famous "Triple Self Portrait" utilising a similar screening system.

Norman was a great artist, with a well-developed sense of humour and he would have heartily approved of our little addition to his work. Look up his pictures on the internet. It would take a very dull person not to enjoy his paintings.



Self isolation It worked for
The Count of Monte Cristo

Other strategies have been to lock oneself away in a log cabin deep in the mountains with a half bottle of sherry and a 1954 Ferguson tractor manual. It's amazing how time flies !

That aside, in our next newsletter, we hope to be able to announce that this pandemic is all over bar the shouting. Everyone is heartily sick of the self-isolation and other measures we have all had to take so let's hope we can all get back to normal soon.

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Ferrier Pumps is one of the UK's leading pump suppliers and a manufacturer of cold water booster sets.

We have a vast range of pumps in stock including submersible pumps, well & borehole pumps, pressure vessels and many more.

Whatever pump, part or spare you need, we can call upon over 40 years experience to ensure you get exactly what you need, when you need it.

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