

PROVIDING EXCEPTIONAL ENGINEERED SOLUTIONS & SERVICES SINCE 1940

SIMPLE START-UP AND ENERGY CREDIT ELIGIBLE THANKS TO QUANTUMFLO

[MECO](#) was called to a high-rise office complex in downtown Greenville. The existing system used pressure reducing valves and constant speed 20 HP duplex pumps. Both pumps were leaking. One pump was being run all the time in manual and both thermal relief valves were discharging to drain constantly. There are two high-rise office buildings at this site and the customer wanted a new booster pump for each building.

The [QuantumFlo](#) Einstein program has an excellent sizing module. Given the suction pressure, the height of the building and the fixture count, we were able to come up with new pump sizing for each building. Both systems were close enough that we offered identical systems to further simplify their equipment. Due to the height difference, one system will normally run a few HZ slower than the other one.

The customer is now applying for energy credits after converting from a 20 HP motor running 24 hours a day, 365 days per year, to a 7-1/2 HP motor running a fraction of the time at a reduced speed.

The simplest part of this story? The Startup! We arrived onsite, vented the air out of the vertical stack pumps, checked the incoming voltage, made sure the valves were open, powered it up, entered the unlock code, put the pumps in automatic and it ran perfectly. We spent more time helping the customer make sure all the air was out of the system than we did with the actual "startup".



MECO STEAM TO WATER HEAT EXCHANGER SKID

A longtime customer contacted [MECO](#) regarding ongoing struggles with their shell and tube heat exchangers. Along with the primary goal of reducing maintenance costs, our customer desired increased heating capacity. After further review of their existing system, we discovered that condensate stall during startup conditions contributed to the problems with the steam-to-water heat exchanger.

[MECO](#) offered [Tranter](#) plate and frame heat exchangers and [Spirax Sarco](#) ancillary equipment to meet both of our customer's goals. As with many manufacturing facilities, outage duration was limited and it proved helpful for [MECO](#) to skid



mount the heat exchangers to shorten the overall installation time and expense.

MECO NOW REPRESENTING LOBEPRO

MECO is pleased to now be representing [LobePro](#) for the municipal market.



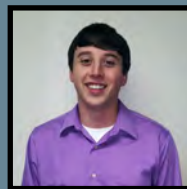
[LobePro](#) Rotary Pumps manufactures three lines of positive displacement, rotary lobe pumps: S-Series- Sludge, Mud, and Slurries; C-Series: Corrosives & Chemicals; and D-Series – Duplex Pumps. Each line is also available in API-Series: API 676 Compliant version.

Rotary lobe pumps are typically used to pump sludge to and from thickeners, separators (such as belt presses, centrifuges, and rotary presses), digesters, clarifiers. They are in fact suitable for pumping any wastewater sludge, with a low grit content and hard solids under 1/8", at flows up to 2000 GPM and pressures up to 150 PSI. [LobePro](#) can specify an in-line grinder, filter or knock-out tank should hard solids larger than 1/8" be present. [LobePro](#) manufacture the LARS (LobePro Affordable Rebuildable Seal), an oil lubricated mechanical seal which is long lasting, rebuildable, leak free, and proven in many tough applications.



A NEW FACE AT MECO

MEET: BRIAN LISCOMB



In February MECO welcomed Brian Liscomb to our team as Engineering Service Manager. Brian is originally from Gardiner, Maine but currently lives in Simpsonville, SC with his wife, Miranda, and his 2 children, Kaleb (8) and Briana (1.5). Brian studied Mechanical Engineering at the University of Maine and previously worked in instrumentation for the oil & gas industries. Brian enjoys watching football and hockey. You can find him cheering for the New England Patriots and the Boston Bruins.

TIM CRIDER TO RETIRE



We would like to congratulate Tim Crider on his retirement from MECO. Tim has a long history with the company dating back to February 1985 when he owned his own pump and repair company, Equipment Services, and rented shop space from MECO. He ran his repair business until September 1992 when he decided to sell all of his equipment to MECO and join the MECO team as our Shop Manager. Over the years, Tim has enjoyed working for a small company and is grateful for the independence and freedom MECO provided. During retirement, Tim plans to, "sit back and rest!" We thank Tim for his 23+ years of service directly with MECO and for his relationship spanning beyond his time employed here. Tim will be greatly missed by his colleagues and by our customers.



UPCOMING EVENTS:



1 SOUTH CAROLINA ENVIRONMENTAL CONFERENCE
MARCH 13-15, 2016; MYRTLE BEACH CONVENTION CENTER

2 AFSA NC/SC CONVENTION
APRIL 13-15, 2016; MYRTLE BEACH MARIOTT RESORT AT GRANDE DUNES

3 EASTMAN ECHEM EXPO
APRIL 28, 2016; MEADOWVIEW CONVENTION CENTER; KINGSFORT, TN

4 NCRWA ANNUAL CONFERENCE & EXHIBITION
MAY 16-19, 2016; SHERATON AT FOUR SEASONS; GREENSBORO, NC

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SIMPSONVILLE, SC

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SERVING THE CAROLINAS FOR 75 YEARS

Since 1940, Mechanical Equipment Company has been deeply involved in the Industrial, Utility, Water/Wastewater and Commercial growth in the Carolinas. As our first priority, a commitment to customer satisfaction has been the major factor in our success and growth. From a one-man company in 1940, we are now a firm with nine experienced outside sales engineers who are backed up by eight highly trained inside sales and engineering staff. We also offer a customer service and office staff of seven, as well as a service department.

Continued representation of several major principals for over fifty years is evidence that our primary commitment to customer satisfaction is the major reason for our stable expansion since 1940.

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