Industrial water strainers

RESULTS
• Designed a complete fluid automation solution
• Provided rugged, highly reliable stainless steel valves
• Packaged components in compact enclosure
• Offered direct or remote location mounting

APPLICATION
Industrial water strainers.

CHALLENGE
A water filtration equipment manufacturer was designing a strainer system with automated flushing capability. The design called for the strainer to detect differential pressure in the water stream, and upon reaching a designated point, open a valve to flush the system. The customer desired a compact unit with a DP switch and drain valve rugged enough to handle the sand and silt in the water stream.

SOLUTION
ASCO’s™ Integrated Solutions group was the only supplier with the expertise and product portfolio to provide a complete fluid automation solution. The group designed a compact system that included the DP switch, plus an ASCO 320 Series stainless steel solenoid valve that piloted a rugged ASCO 290 Series angle-body stainless steel valve. The components were packaged in a compact enclosure that could be mounted either directly to the strainer or in a remote location. This solution enabled the automated flushing system’s use in remote facilities where maintenance is not readily available.

Detected differential pressure triggering automated flushing, Emerson designed a compact fluid automation solution with rugged, highly-reliable stainless steel valves. Remote monitoring enables use across both staffed and unmanned facilities.