

Valcor: Designer and Manufacturer of High Quality Flow Control Devices

Valcor Engineering Corporation designs and manufactures valves for nuclear, aircraft, space, industrial, and scientific applications. Since 1951, Valcor's involvement with supplying components for difficult applications with high-pressure, flow, temperature, and vibration under extreme environmental/seismic conditions has been continually expanding. Today, Valcor manufactures over 100,000 solenoid valves and other fluid system components per year!

Valcor Engineering originally started out in the aircraft and space industries. Applications include both commercial aircraft and space components to major programs. We have also supplied hydraulic, fuel and pneumatic solenoid valves, APU shut-off valves, pressure and flow regulators, and pressure vessels for military programs including naval nuclear, fixed wing, rotary and unmanned aircraft.

In 1970, Valcor expanded and began designing and manufacturing high quality flow control components to the nuclear industry, with most activity centering on solenoid operated valves and regulators. Within Valcor, the Nuclear Group is structured as one of three integral corporate business units, which allows us to focus very clearly to develop, design and produce products for the nuclear industry worldwide, and be extremely responsive to individual customer needs. Our business is split approximately 50/50 between the domestic and international markets.

Most of our products are either ASME "N" stamped process valves for various fluids (including hydraulic fluid applications), or Class 1E air pilot valves for pneumatic actuators. There are also many special designs within our installed base of well over 15,000 "N" stamped units. Our products range in application from reactor coolant pressure boundary isolation to cryogenic, liquid sodium and marine (nuclear navy) services. These products generally are less than 4" NPS, and are used extensively in both domestic and international nuclear programs.

We have also signed license agreements and other supply arrangements with well-known former suppliers to the nuclear marketplace to manufacture and supply their unique nuclear product lines:

a. Hoke Inc. (Cresskill, NJ) for the supply of instrument isolation valves and manifolds

b. Circle Seal Controls (Corona, CA) for the supply of inline check valves and solenoid valves.

c. Fox Valve (E. Hanover, NJ) for the supply of cavitating venturis and eductors

These relationships have greatly expanded our supply capability beyond our traditional ASME Section solenoid valves.

In 2020, Valcor underwent a highly successful ASME re-certification audit for our "N," "NPT" and "NS" certification/stamps. We are excited that this

renewal now extends to welded piping systems, subassemblies, and component supports, and pressure vessels. This, in turn, opens significant new markets to us for the supply of complete systems, such as skid-mounted process packages requiring an extensive degree of installed instrumentation components.

For more information on our products and services, please visit www.valcor.com, call us at (973) 467-8400 or email us at nuclear@valcor.com.



- ▶ Constructed to meet the requirements of ASME Section III
- ▶ Products include safety and non-safety SOVs, PRVs, orifices, venturis and eductors
- ▶ Qualified to ASME QME-1, IEEE-323, 344, 382 and Reg Guide 1.180
- ▶ Supporting new builds and existing plants worldwide



Valcor Engineering Corporation

Contact us to learn how Valcor can help meet your specific flow control needs
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