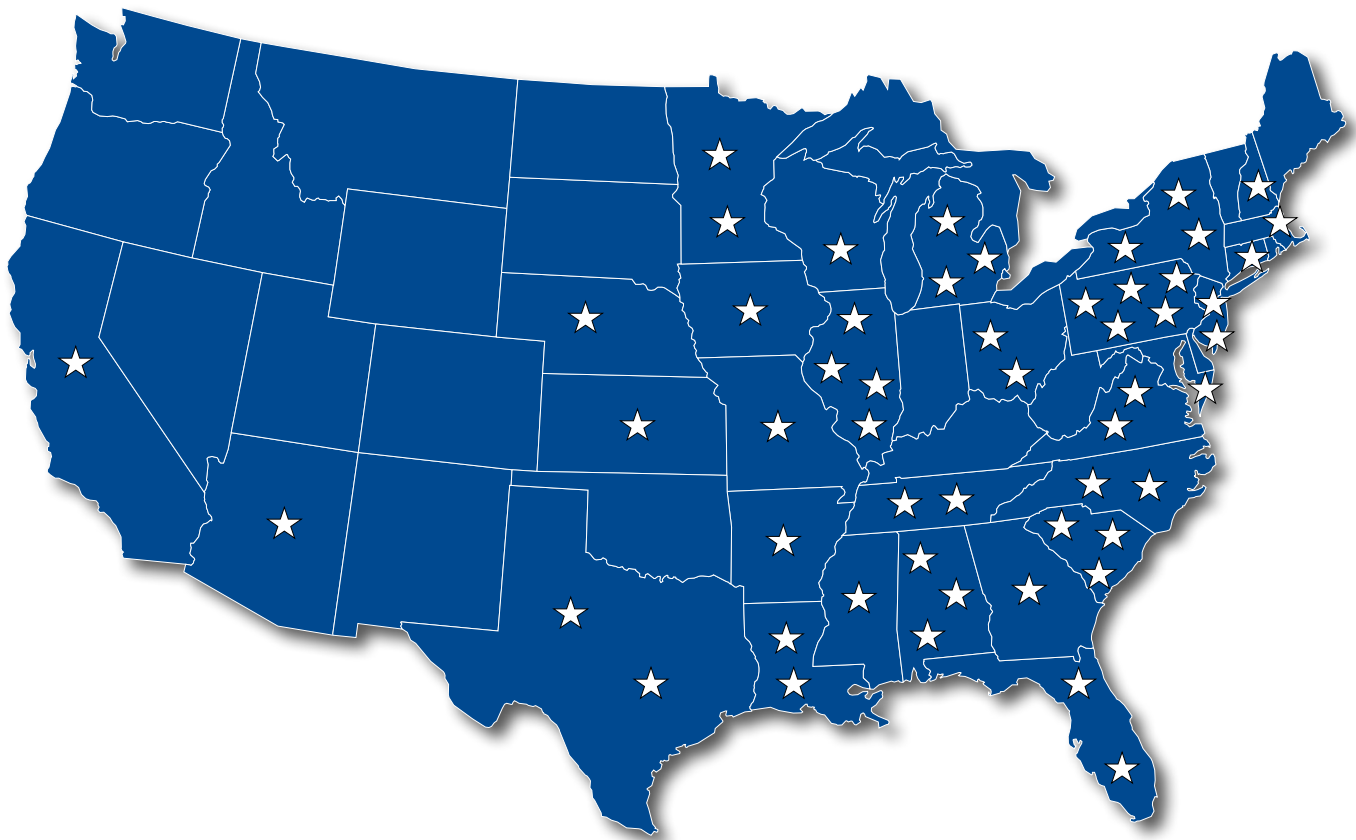


# PRATT®

a MUELLER brand

## NUCLEAR VALVE LINE

Over 40 Years Experience In The Nuclear Market



**MUELLER**

### A TRADITION OF EXCELLENCE

Over 50 years ago, Pratt® began providing butterfly valves to the nuclear power industry. In the infancy of the industry, Pratt was called upon to manufacture quick closing butterfly valves for containment isolation applications at nuclear power facilities across the United States and internationally. Ranging in size from 10 to 48 inches, the valves were designed to close in seconds using spring loaded actuators to isolate the containment structure and prevent the escape of radioactive materials.

Over the years other vendors have come and gone as Pratt has continued to lead the market by designing and manufacturing valves uniquely suited to the nuclear power industry. When the American Society of Mechanical Engineers (ASME) implemented their authorization program to ensure the quality of products provided to the industry, Pratt was one of the first valve manufacturers to obtain an N-Stamp and NPT-Stamp certification. Today, more than half of the butterfly valves installed in nuclear power plants across the United States bear the Pratt® name. Since 1972 Pratt has continuously maintained our N-Stamp and NPT-Stamp certification, having recently passed an ASME audit for the 12th time. We were there when the first nuclear power plants were built and we are here today to continue our tradition of providing excellent products and services to the industry.

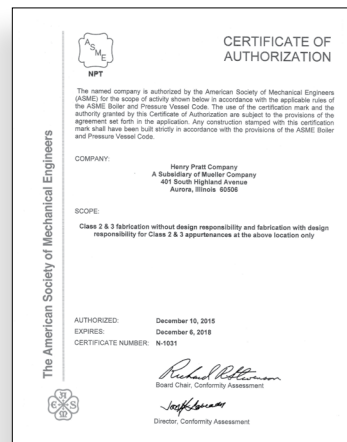
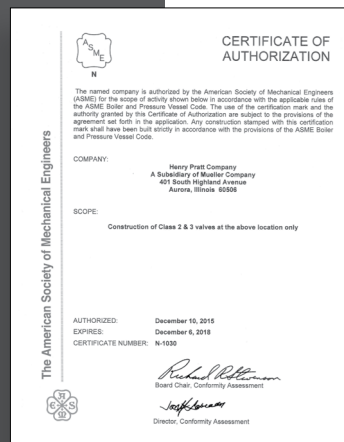
### REPLACEMENT VALVES TO MEET TODAY'S REQUIREMENTS

Many of the original butterfly valve suppliers serving the nuclear power industry no longer exist or, if they are still in business, they no longer hold an N-Stamp. Pratt has the capability to replace those "extinct" valves with superior quality butterfly valves with the same face-to-face dimensions, weight and operating characteristics as the original valve, all under our N-Stamp Program.



### REPAIR AND REFURBISHMENT

In addition to supplying valves for new projects, we also offer parts and services for refurbishment and repair of existing valves to meet today's requirements. We can also rebuild most existing nuclear butterfly valves and make them function as brand new. We stand behind our work by providing a new valve warranty with every valve refurbishment.



*Pratt® has been and continues to be the dominate supplier of butterfly valves for the nuclear industry with Pratt valves in 90% off all plants in the United States.*

### FIRST OF A KIND PRATT 96 INCH STAINLESS STEEL BUTTERFLY VALVES FOR A NUCLEAR POWER STATION.

Throughout its operation a nuclear Power Station located off the James River at the shore of the Atlantic Ocean has experienced extensive pipe, equipment, and valve erosion and corrosion problems. This was due to the plant's circulating water coming from a river/ocean juncture. The 96 inch Pratt Butterfly Valves located in this service have been affected by salt water and biological conditions prominent to brackish salt water service.

In 2005, Pratt inspected sixteen 96 inch special coated cast iron/ductile iron valves that had been in service since the late 80's. After the evaluation, complete valve replacement was recommended. Based on the evaluation, the customer sought our recommendations for a valve design that would have a longer, if not indefinite service life. These valves were also being used for Safety Related Service, unique in valves of this size. With the help of a metallurgist, the valve design called for an entirely stainless steel construction with certification required for a Safety Related application.

After a truly collaborative effort from many vendors, plants, departments, Pratt fabricated eight stainless steel butterfly valves with a shaft lock (to facilitate servicing the operator) and the Pratt PK Posi-Loc Disc Locking Device (to ensure personnel safety). This is the first nuclear power plant to install safety related stainless steel Butterfly Valves in diameters above 48 inches.

### 78 AND 120 INCH AWWA BUTTERFLY VALVE SUPPLIER AGREEMENT FOR NEW NUCLEAR PLANT CONSTRUCTION

Four new Nuclear Power Plants under construction in South Carolina and Georgia have installed Pratt Triton® Butterfly Valves. This design was chosen after extensive engineering and procurement analysis to satisfy system conditions in condenser and cooling water isolation.

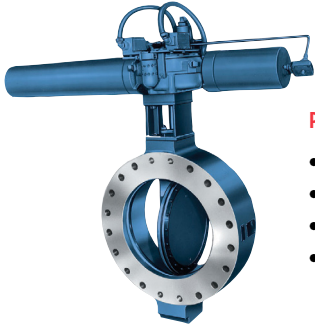
The Pratt Triton® valve selected will minimize future maintenance, provide tight shut off, ensure ease of control and will remain installed for the life of the plant.

### RE-BUILD OF VARIOUS SIZE BUTTERFLY VALVES FOR NUCLEAR POWER STATION

Pratt utilizes its valve expertise to support Nuclear Power plants in valve refurbishment and replacement parts. One ongoing project includes butterfly valves ranging from 16 to 108 inch for a Nuclear Power Plant in Michigan. These valves are shipped to our centrally located Hammond, Indiana facility and refurbished to like new condition. Pratt specialists perform these efforts and deliver in support of an on-time plant outage.

# NUCLEAR VALVE LINE

## Pratt® Nuclear Products



### PRATT® SERIES 1200 NUCLEAR VALVE

- Available in 6"-48"
- Specific for Air
- AMSE Class 2 & 3
- ANSI 150#



### PRATT® SERIES 1400 NUCLEAR VALVE

- Available in 3"-24"
- Specific for Water
- AMSE Class 2 & 3
- ANSI 150#



### PRATT® SERIES 1100 NUCLEAR VALVE

- Available in 6"-36"
- Specific for Water
- AMSE Class 2 & 3
- ANSI 150#



### PRATT® TRITON® RUBBER SEATED BUTTERFLY VALVE

- Available in 24"-162"
- Specific for Water
- Rubber seat-in body configuration
- Available in flanged and mechanical joint ends

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**For more information about Pratt fluid systems valves, please visit [www.prattvalve.com](http://www.prattvalve.com) or call Pratt customer service at 800.423.1323.**

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