

GEA BGR

THE PIONEER AND SOLUTION
PROVIDER FOR CONDENSER,
HEAT EXCHANGERS &
INDUSTRIAL CONTROL VALVES

PREMATECNICA



COMPANY PROFILE



- ✔ GEA Energy System India Ltd was incorporated in 1985 as a Joint Venture Company (Technical Know-How) between the BGR Group and the GEA Energietechnik GMBH, Germany. GEA BGR was started to introduce Energy Saving Equipments for Industrial Sectors.
- ✔ Since our commencement, we are in the process of providing niche products such as Online Tube Cleaning System and Debris Filters to various clients all over the world. GEA BGR has mastered this technology in Design, Engineering, Manufacturing, and Servicing the products used in the Surface Condensers / Heat Exchangers of Power, Desalination, Nuclear, Oil & Gas, and other Industrial applications across verticals for the last 35 years.
- ✔ Now, GEA BGR Energy System India Ltd is a Public held company within BGR Group pursuing the opportunities for Online Tube Cleaning Systems and Debris Filters & Industrial Control Valves globally.

CAPABILITIES



- ✓ Desing & Engineering
- ✓ Manufacturing and Testing
- ✓ Total Quality Management
- ✓ Quality Certification
- ✓ Project Deliverables
- ✓ Field Engineering
- ✓ R&D Facility



SECTORS OF INTERVENTION

Power

Desalination

Oil&Gas

Chillers&District Cooling

Industrial Water

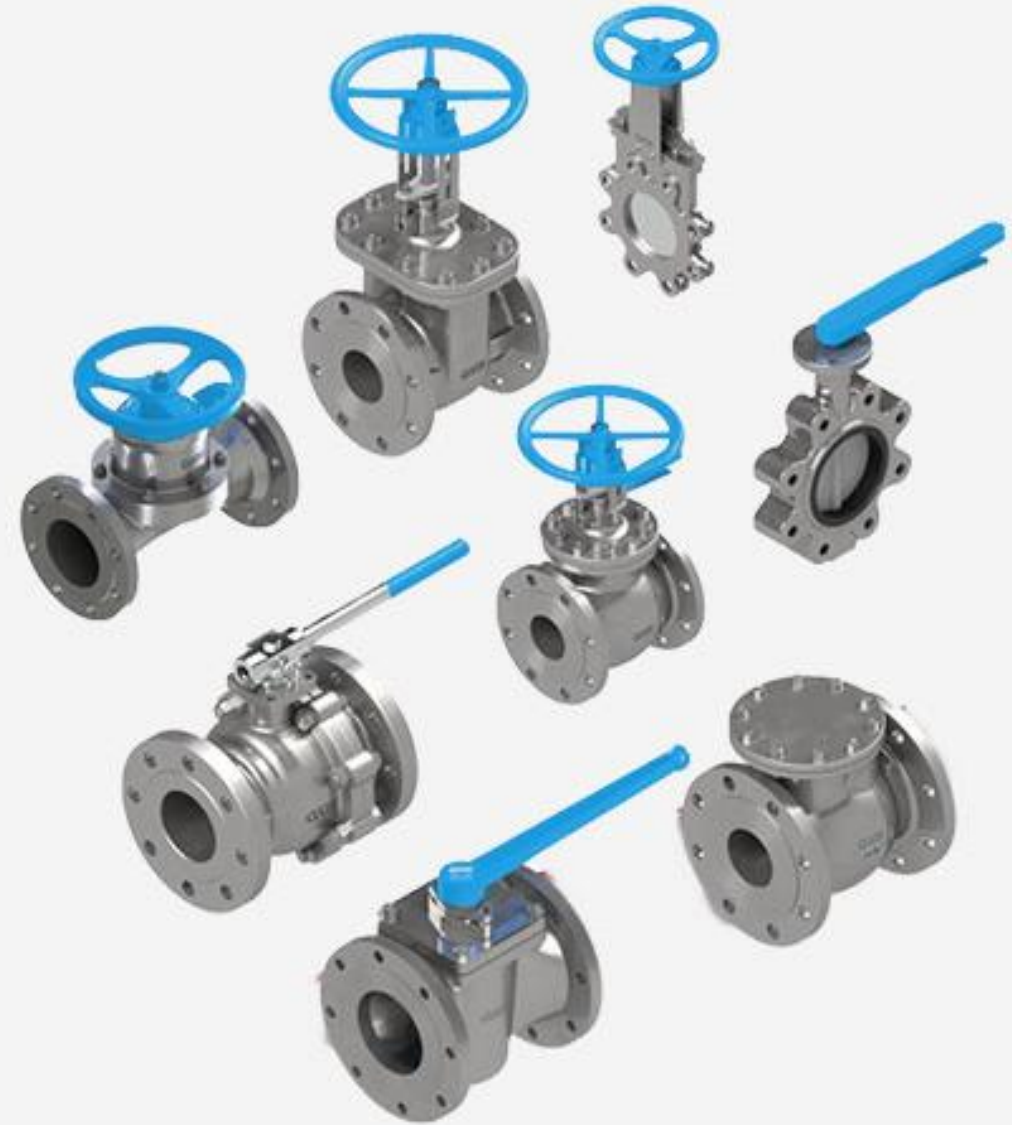
Steel Industries



Industrial Control Valves

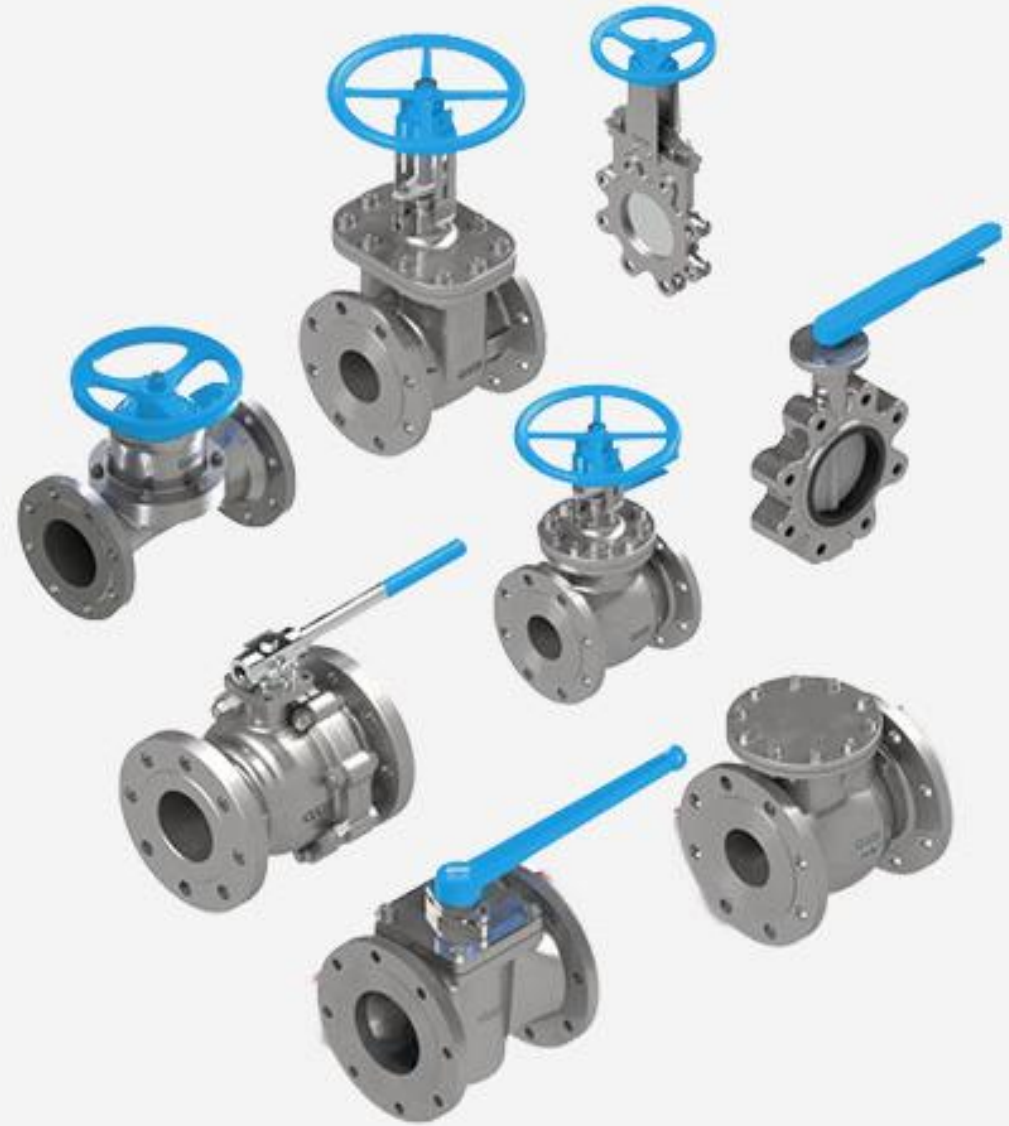
Axis Valves

- ✔ Axis industrial control valve (a unit of GEA BGR energy system India Ltd) is an Indian based company, pioneering in the field of precision industrial equipment manufacturer. We have been providing exemplary services to our customers for more than three decades with the brand concept of design excellence, high performance and continuous technological innovation.
- ✔ GEA BGR has established its capabilities into manufacturing and supply of wide range of industrial control valves for various applications across verticals to suite customers need.



Industrial Control Valves

- ✓ Butterfly valve
- ✓ Floating valve
- ✓ Globe valve
- ✓ Gate valve
- ✓ Check valve
- ✓ Plug valve
- ✓ Diaphragm valve
- ✓ Knife Gate valve



Debris Filter for Condenser

Cleanliness of the condenser is highly essential to the overall efficiency of the power plant as the condenser play an essential role in Power Generation.

Fouling of the Condenser becomes a major concern when debris such as shells, mussels, fish, algae, etc., are carried overwith the circulating (sea/river) water and blocks the water flow by choking the condenser.

GEA BGR Debris Filters automatically flush out the debris captured in the screen without affecting the plant's performance and any manual interference.



Condenser Online Tube Cleaning System

Fouling and Scaling of the Condenser Tubes happens to cause a major impact on a condenser's overall performance, which will eventually result in the loss of Power Generation.

GEA BGR Condenser Online Tube Cleaning System is installed to facilitate continuous cleaning of the Condenser Tubes with the Power Plant in operation. Condenser Online Cleaning is carried out by passing slightly oversized Sponge Rubber Balls across the condenser tubes.



Self Cleaning Strainer / Auxiliary Filter

Cooling (Sea / River) water may carry huge dirt particles which will most likely settle in the heat exchanger tubes, pumps, pipes, and nozzles, resulting in a continuous limitation in the efficiency of the Cooling Systems. We GEA BGR recommend installing a Self-Cleaning Strainer /Automatic Filter to protect the cooling system, which will improve the overall plant's efficiency.

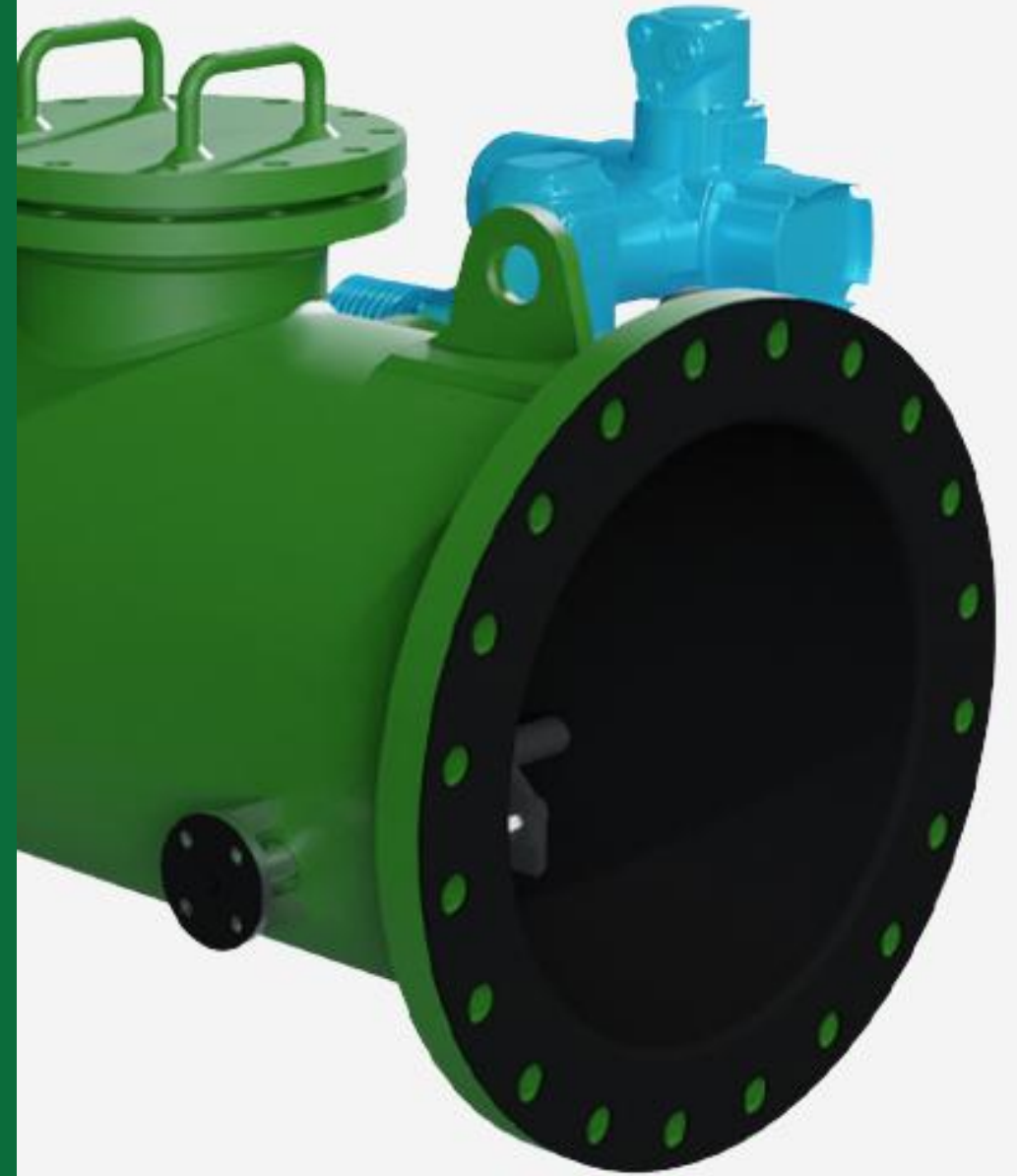
The Self-Cleaning Strainer in the Auxiliary Cooling Water (ACW) Line is important filtering equipment for removing smaller particles. The Self-Cleaning Strainer is devised as a secondary / Tertiary filtering system along with the traveling band screens.



Heat Exchanger Tube Cleaning System

Fouling and Scaling of the Heat Exchanger Tubes are the significant aspects that influence the performance of heat exchangers when cooling water is used as a circulating medium.

In GEA BGR, we provide an Online Tube Cleaning system for continuous cleaning of the Heat Exchanger tubes with the plant in operation.



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