

# Water Filtration

Protecting a natural resource



In industrial applications water treatment is employed to optimise processes such as heating, cooling, processing, cleaning and rinsing. Typically filtration is required in areas where scaling and corrosion occur. In scaling, precipitated mineral salts build up on metal surfaces in layers, as these layers grow the efficiency of heat exchangers will reduce through the insulating effect of the scale and thus energy costs will increase. Corrosion can lead to similar problems, but can also compromise the integrity of systems.

In order to achieve the specific requirement for each application removal of material, undesirable chemicals and biological contaminants must be achieved. Parker offers the broadest range of filtration products for the water service industry. From sub micron filtration in water cutting technologies to scale and corrosion particulate removal in boiler feed and post turbine waters.

Process water is typically filtered in large volumes with filters primarily being used in desalination and municipal water plants. Due to the volume of water filtered in these applications there is a requirement for larger diameter cartridges such as the PARMAX and MAXGUARD elements which are ideal for general clarification. This is because every reverse osmosis plant and water municipality requires a good level of pre-filtration to avoid costly and time consuming replacement of fouled membrane filters. Our CARBOFLOW range of carbon filters, are highly effective in removing chlorine from process water, providing performance that exceeds industry requirements.

When it comes to industrial water filtration, Parker domnick hunter can provide cost effective filtration solutions to meet your every need.

- | Applications           |
|------------------------|
| Water cutting          |
| Desalination           |
| RO membrane protection |
| Scale and rust removal |
| Boiler feed water      |
| Post Turbine Water     |





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*for all your filter requirements*