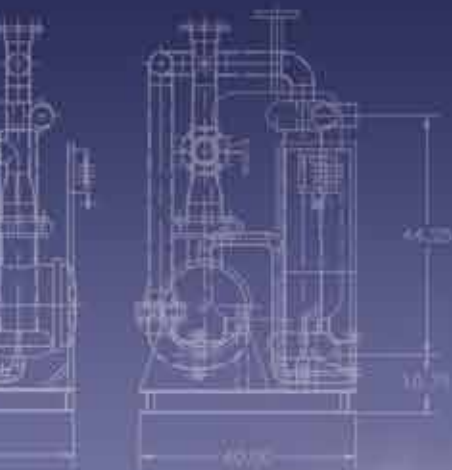


PRODUCT OVERVIEW



Filtration Systems™

VNF

Wherever Water Flows...

VAF INTRODUCTION

Wherever Water Flows...

Dear Valued Customer,

Thank you for your interest in VAF Filtration products and systems.

VAF Filtration Systems was incorporated in 1985 and has since provided filtration solutions worldwide. During this time, VAF has built its business while always striving for Simplicity, Quality and Integrity in its products, services and customer support. It is our belief that our relationship with each customer begins with the first enquiry and continues through the life of the product/system. Each application is carefully reviewed by highly qualified personnel. Customers are guided through the installation, startup and operational processes. Customer satisfaction is unsurpassed.

Our flagship product, the V-Series automatic self-cleaning screen filter product line, is used "Wherever Water Flows" and the removal of suspended solids is required. Individual filters and pre-assembled systems are used in applications for cooling towers, industrial water reuse, groundwater reinjection, well water, surface water, irrigation, seawater, intake water, wastewater and many more. V-Series filters are also used for pre-filtration to membrane or other micro-filtration technologies to reduce fouling and pre-filtration for UV systems to reduce "shadow effects."

The V-Series filters are competitively priced while manufactured in the USA with 316L stainless steel. Other materials are available for seawater or other corrosive environments. The V-Series' patented Bi-directional Hydrodynamic Drive (BHD) mechanism eliminates the need

for electric motors, limit switches, gear boxes, hydraulic pistons and external shaft seals as are found on other similar technologies.

Recently, the V-Series product line was certified by the Singapore Green Building Council for its water and energy savings features. In addition, the V-Series filters are available with NSF-61-372 or ASME Certification upon request.

As you will see in the following pages of this brochure, VAF also offers numerous other filtration technologies for various applications and has a wide range of micron sizes available, depending on the size of the particles to be removed. In addition to the V-Series self-cleaning filters, VAF offers a complete line of cyclone separators, self-cleaning intake screens and manual, semi-automatic and automatic strainers for larger debris.

Visit our website at www.vafusa.com to discover our V-Series "How It Works" video and to see many of our projects installed worldwide. Other products listed in this brochure are also shown on our website. Detailed brochures and drawing files (AutoCAD or PDF) may be requested at any time.

Please call us if you need filter or system application assistance and discover why our customers stay with us. Thank you again for considering VAF.

Sincerely,
VAF Management and Staff



VAF V-Series Technology

VAF V-Series automatic self-cleaning screen filters are used "Wherever Water Flows" and can remove suspended solids from 1500 to 10 micron. Individual filter and pre-assembled filtration systems are used in various applications.

V-Series Filters Provide State-of-the-Art Automatic Self-Cleaning

The patented Bi-directional Hydrodynamic Drive (BHD) improves screen cleaning efficiencies resulting in:

- 100% screen cleaning with controlled suction nozzle rotation in less than 15 seconds
- Flush waste less than 1% of system flow
- 70% fewer moving parts
- Priced competitively against all carbon steel body filters
- Individual flow rates from 7 to 2,274 m³/hr (30 to 10,000 gpm)
- Made in USA



Product Overview

V-200 Series Automatic Screen Filter



The V-200 Series is ideal for flow rates from 7 m³/hr to 50 m³/hr (30 to 220 gpm) offering the best value solution for automatic filtration from 10-1500 micron (plastic or stainless body).



V-Series Automatic Screen Filter



The V-Series patented BHD mechanism is the simplest and most efficient design resulting in the lowest flush flow rates and fewer moving parts. Filter range is 10-1500 micron.

The V-Series patented BHD mechanism is the simplest and most efficient design resulting in the lowest flush flow rates and fewer moving parts. Filter range is 10-1500 micron.

Hydrocyclone Separator



VAF Hydrocyclone Separators are effective in removing suspended solids from water where the specific gravity (density) of the particles are heavier than the water. Flow rates from 1 to 1,171 m³/hr (4 to 7,800 gpm).

V-8000 Quad Automatic Screen Filter



The V-8000 Quad accommodates large flows while still maintaining a small footprint. The V-8000 joins the V-Series line utilizing the same efficient and simple cleaning technology.

Self-Cleaning Suction Screen



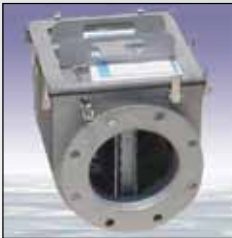
The Self-Cleaning Suction Screen is galvanized or epoxy coated and utilizes a heavy duty stainless steel screen designed to increase pump performance. Flow rate is 23 to 908 m³/hr (100 to 4,000 gpm).



BE-Series Automatic Brush Strainer

The self-cleaning screen strainer enables high quality filtration 200-4000 micron from different types of fluid sources, such as sewage, reservoirs, rivers, lakes and wells. It operates as low as 1 bar (15 psi).

VAF-Ultra Strainer Suction Side Pump Performance



VAF-Ultra Strainer has all 316L stainless steel components and the smallest footprint available. It promotes the highest NPSH improvement to increase pump performance.

MS/MB-Series Semi-Automatic Brush and Suction Filter



The MS/MB-Series filters combines high quality filtration with the simplicity of manual cleaning. Filter range is 120-3000 micron.

™ Systems



These filter skids are designed to significantly reduce maintenance costs, energy costs, and chemical usage with the energy-efficient, water saving ™ system for cooling towers! These packages are designed for single or multiple basins up to 16 zones: one filter skid to control multiple cooling towers or a single basin containing

hundreds of thousands of gallons. Available in various flow rates from 11 m³/hr (50 gpm) to virtually any flow rate specified.

Cooling Tower Systems



LCF & CTF-Series

These filter skids are designed for small or larger cooling tower filtration systems. They can be used for basin cleaning for basins that hold up to 76 m³ (20,000 gallons) and more as well as side stream applications. They have a compact footprint and are available in various flow rates from 11 m³/hr (50 gpm) to virtually any flow rate specified.



Oil and Gas

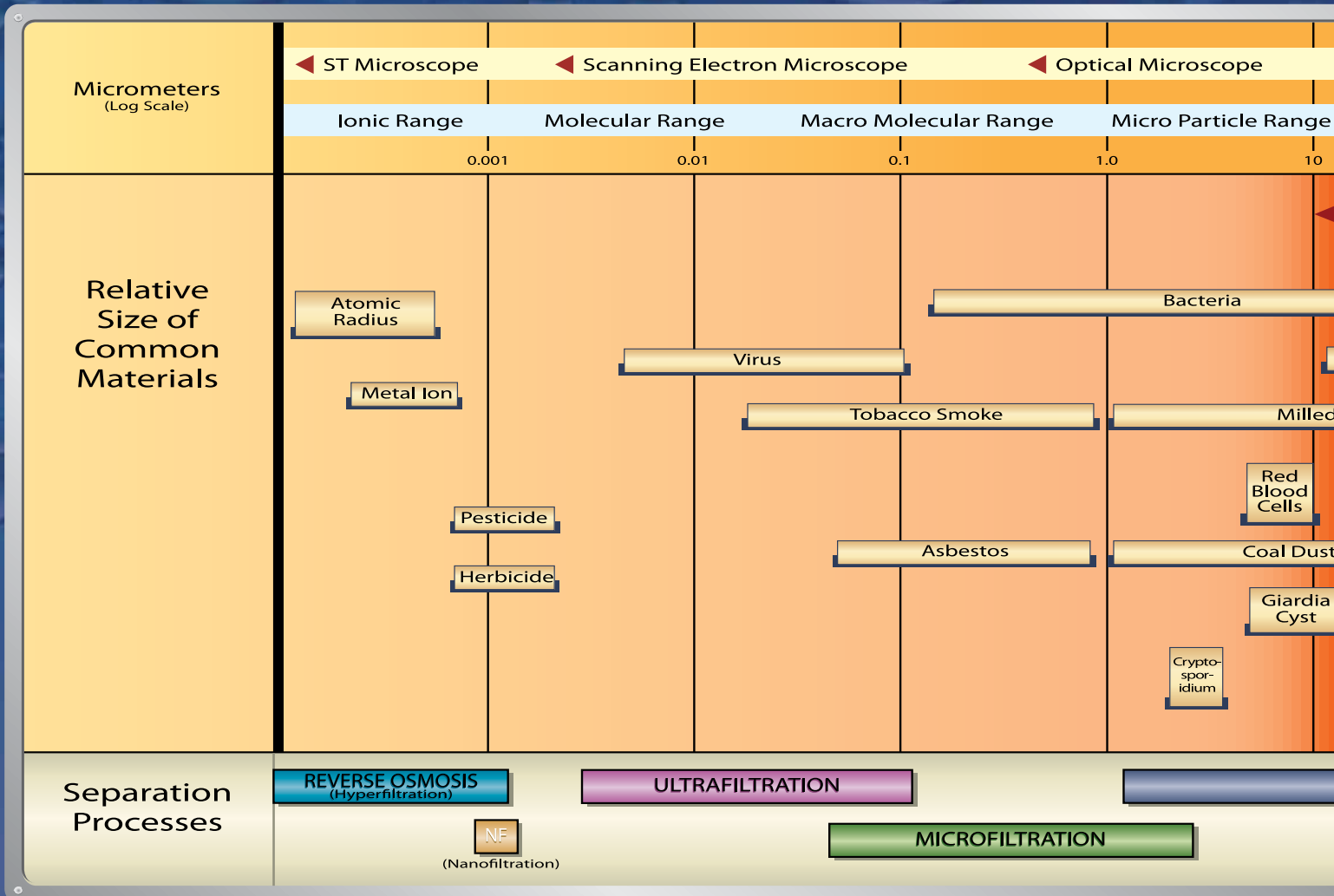
Filtration Systems

VAF provides custom skid mounted "plug-and-play" systems that include fully integrated pump, filter, controls and valves for ease of installation.

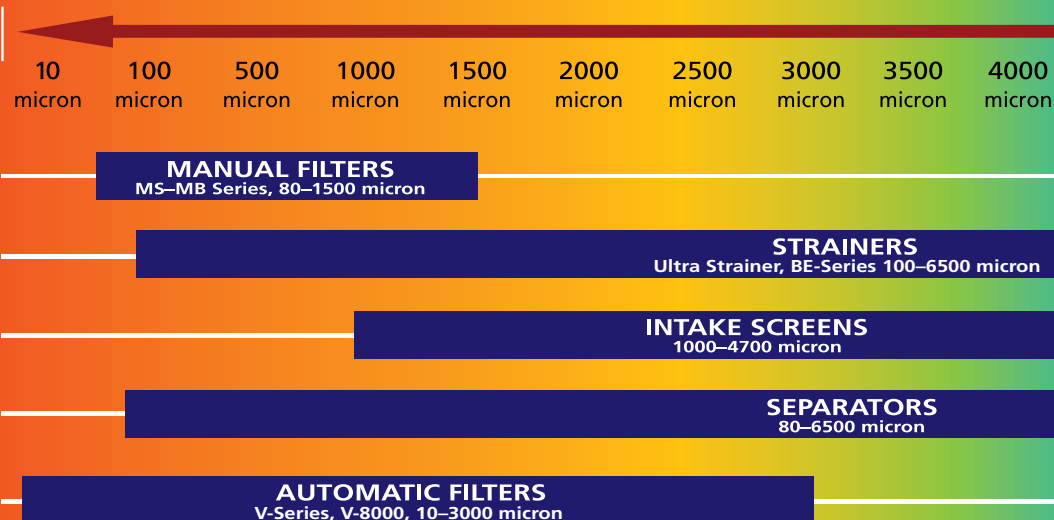


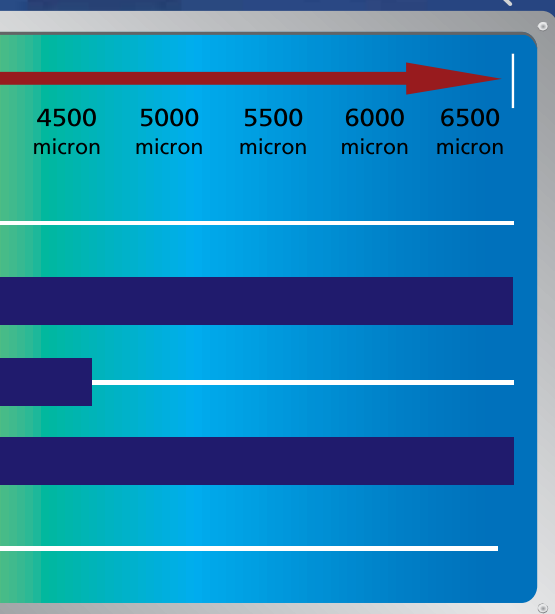
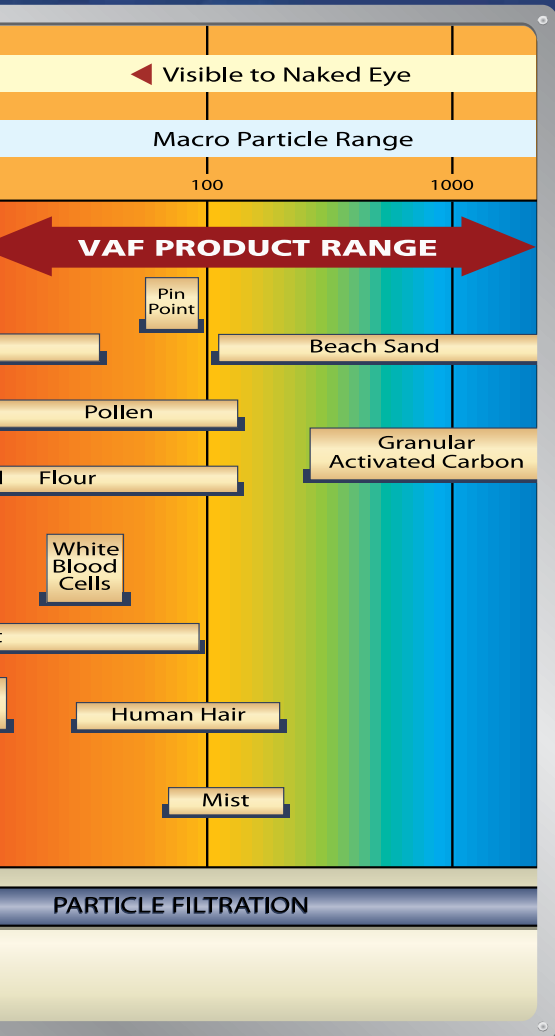
Fish Hatchery

Particle Size Matrix



**VAF product range
can remove
particulate from
10 – 6500 micron.**





Applications

Agriculture
 Aquaculture
 Aviation
 Ballast Water
 Car Industry
 Car Wash
 Chemical Industry
 Cooling Water
 Drinking Water
 Electronics
 Food & Beverage
 Food Industry
 Golf & Turf
 Greenhouses & Nursery
 High Rise Building
 HVAC
 Injection Molding
 Metal Processing
 Mining
 Oil & Gas
 Petrochemical
 Pharmaceutical
 Plastic Industry
 Potable Water
 Power Generation
 Pulp & Paper
 Pump Seals
 Reinjection
 Pre-RO Filtration
 Seawater Filtration
 Spray Nozzle Protection
 Steel Industry
 Textile Industry
 Wastewater





To see more projects,

Applications



SEAWATER FILTRATION
Offshore Platform North Sea
& South China Sea



WATER FILTRATION
Brewery-Tokyo



SEAWATER FILTRATION
Offshore Atlantic



PROCESS WATER
Leather Factory
Vietnam



POND WATER FILTRATION
Irrigation-Dubai



COOLING TOWER
Chemical-Singapore



COOLING TOWER
Medical-Melbourne



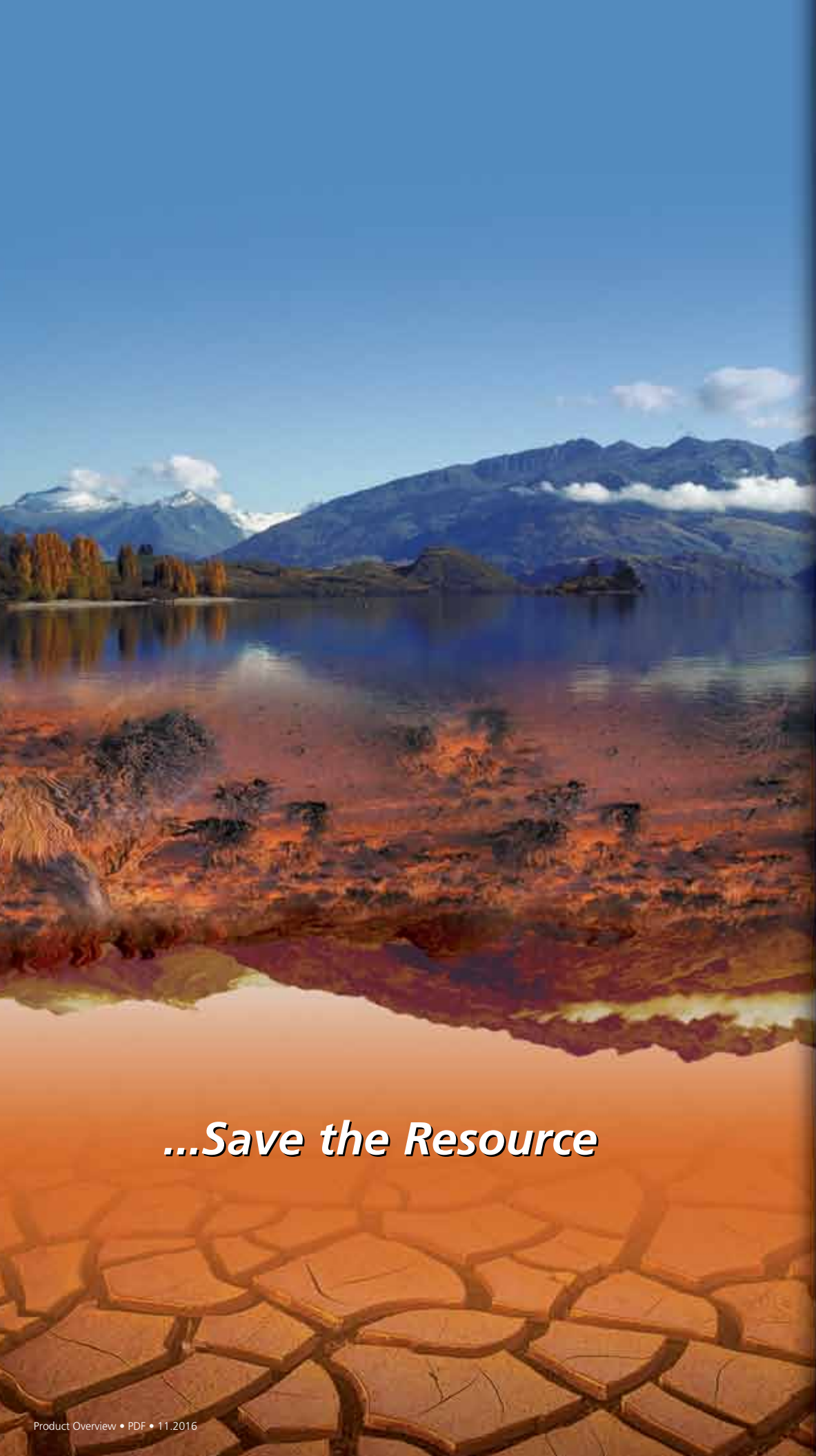
WELL/MUNICIPAL WATER
Landscape Irrigation
Saudi Arabia



WATER REINJECTION
Petroleum-Indonesia



COOLING WATER
Geothermal-New Zealand



...Save the Resource



Filtration Systems™

To view the V-Series in action,
scan the QR code with your
smart phone or go to
www.vafusa.com.



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