

# INFILCO

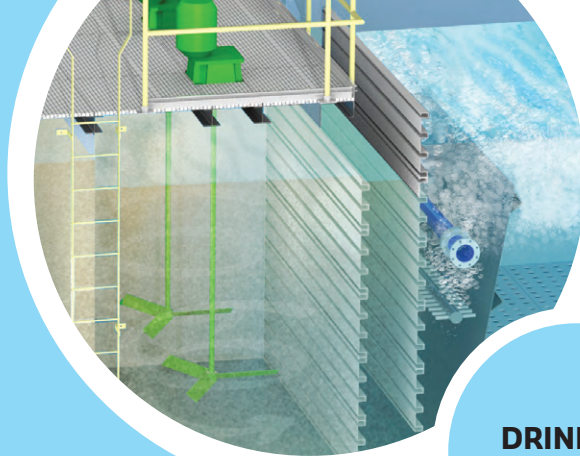
PACKAGE SYSTEMS:

**AquaPAK**

**PulsaPAK™**

**AccelaPAK®**

**FERAZUR®/MANGAZUR®**



**DRINKING  
WATER**

A COMPLETE RANGE  
OF TREATMENT CAPABILITIES  
IN A COMPACT PACKAGE PLANT

**suez**  
environnement

  
Degrémont

## PRODUCT FOCUS: PULSAPAK® PACKAGE POTABLE TREATMENT PLANT

### COMPLETE RANGE OF TREATMENT CAPABILITIES IN A COMPACT PACKAGE PLANT

**PulsaPAK®** produces superior-quality drinking water thanks to two proven technologies: the **Pulsator®** Clarifier with tube-settling modules and a dual media gravity filter. This system's innovative use of basic water chemistry principles addresses a wider range of treatment issues than conventional package plants. The **PulsaPAK®** provides not only flocculation and filtration of solids, but also treats the turbidity and color often found in raw water supplies.

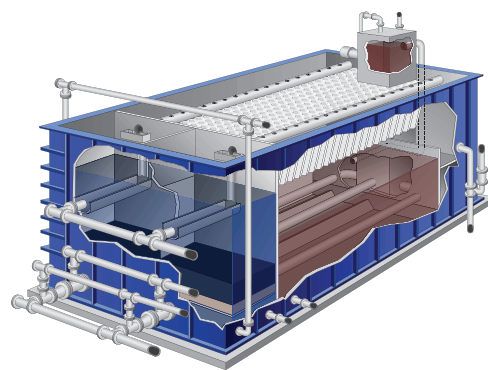
**PulsaPAK®** – just 10 feet wide and 12 feet high with length varying according to flow rate – requires minimal space, yet its six standard sizes can handle flows ranging from 100 to 700 gpm. With its reliable process stability, **PulsaPAK®** meets all potable water production guidelines.

### OPTIMIZED TO MEET THE NEEDS OF MUNICIPALITIES AND INDUSTRY

- Compact size, proven technology, competitively priced
- Two-stage treatment process produces excellent-quality drinking water
- Available in six sizes from 100 to 700 gpm.
- Easy installation and startup
- Clarifier has no submerged moving parts that require maintenance

### APPLICATIONS:

- DRINKING WATER CLARIFICATION AND FILTRATION
- TOC AND COLOR REMOVAL



## PRODUCT FOCUS: FERAZUR®/MANGAZUR® BIOLOGICAL IRON, MANGANESE, AND ARSENIC REMOVAL

### THE BIOLOGICAL ALTERNATIVE TO CONVENTIONAL REMOVAL OF METALS

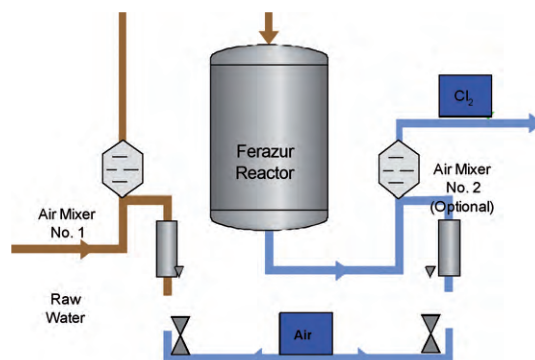
**Ferazur®/Mangazur®** employs naturally occurring bacteria to accelerate the oxidation rate and removal of iron, manganese, and arsenic. The precipitate is removed using Biolite™ "S," our specially developed inert filter media that requires no periodic replacement. The bacteria remain in the filter media even after backwashing, allowing continual operation for indefinite time periods. This biological process yields filtration rates of up to 20 gpm/ft², depending on raw water quality. Compact and easy to operate, the prefabricated unit is ideal for small communities or to retrofit existing plants.

### PROCESS ADVANTAGES MAKE FERAZUR®/MANGAZUR® THE NATURAL CHOICE

- Lower capital and operating costs through the elimination of chemicals, less frequent backwashing and maintenance, and reduced filter size
- Higher metals retention on the Biolite™ "S" allows longer filter runs
- Requires less water for backwashing
- Water quality does not deteriorate over time as in some conventional greensand systems
- Environmentally friendly process requires no oxidizing chemicals

### APPLICATIONS:

- IRON, MANGANESE AND ARSENIC REMOVAL
- GROUNDWATER TREATMENT
- GRAVITY OR PRESSURE FILTERS



## PRODUCT FOCUS: AQUAPAK DAF PACKAGE POTABLE TREATMENT PLANT

### COMPLETE RANGE OF TREATMENT COMPATIBILITIES IN A COMPACT PACKAGE PLANT

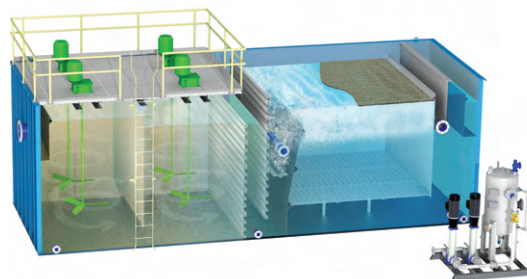
The **AquaPAK** produces superior-quality water thanks to two proven technologies: the **AquaDAF**® clarifier and a dual media gravity filter. This system's innovative use of basic water chemistry principles addresses a wider range of treatment issues than conventional package plants. **AquaPAK** provides not only flocculation and filtration of solids, but also treats the turbidity and color often found in raw water supplies. **AquaPAK** - just 10 feet wide and 12 feet high with length varying according to flow rate – requires minimal space, in many sizes that can handle flows from 50 gpm to 2.5 mgd. With its reliable process stability, the **AquaPAK** meets guidelines for most water treatment applications.

### OPTIMIZED TO MEET THE NEEDS OF MUNICIPAL AND INDUSTRIAL CLIENTS

- Compact size, proven technology, competitively priced
- Two-stage treatment process produces excellent-quality drinking water
- Nine standard sizes from 50 to 1,750 gpm
- Easy installation and startup

### APPLICATIONS:

- CLARIFICATION AND THICKENING
- TOC AND COLOR REMOVAL
- ALGAE REMOVAL
- TERTIARY TREATMENT



## PRODUCT FOCUS: ACCELAPAK® TREATMENT PLANT

### CUSTOMIZE A COMPACT TREATMENT SYSTEM TO YOUR NEEDS

The **AccelaPAK**® combines all the necessary components for clarification or softening and filtration in a single, compact system. This constant-rate treatment system incorporates a raw water controller, high-rate solids contact softener-clarification unit, filters, and chemical feeders.

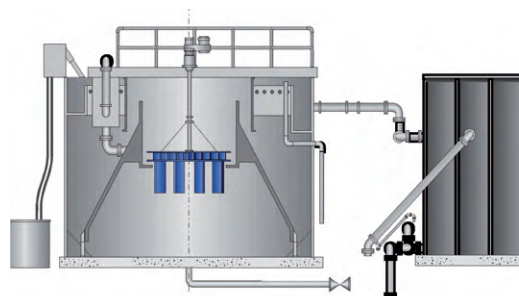
The **AccelaPAK's** modular design is based on a system of interchangeable components. This practical and economical approach allows a variety of combinations to meet a range of treatment and operational requirements. Capacities range from 30 to 350 gpm.

### CONFIGURE ACCELAPAK® TO YOUR SPECIFICATIONS, YOUR FACILITY, YOUR APPLICATION

- Potable water and service water treatment of well, surface, municipal or industrial or reuse applications
- Advanced wastewater treatment for the reduction of suspended solids, phosphorus, and other contaminants
- Removing heavy metals from industrial wastewater
- Engineered for ease of installation, economy, dependability

### APPLICATIONS:

- SMALL COMMUNITIES, SUBDIVISIONS
- INDUSTRIAL PLANTS
- RESORTS AND PARKS



## COMPLETE TREATMENT SOLUTIONS

Infilco Degremont offers an array of water, wastewater and industrial treatment solutions for any size client. Headworks, clarification, filtration, biological and disinfection systems are several of the product disciplines in our portfolio.

If interested in this product, check out some of our complementary products:

- AquaDAF® Clarifier
- Accelator® Clarifier/Softener
- Greenleaf® Filter System
- Monoflor-HD® Nozzle Underdrains
- DensaDeg® Clarifier/Thickener
- ABW® Automatic Backwash Filter

## PILOTING SERVICES

Infilco Degremont offers pilot systems and services for this and many other of our product offerings. Pilot studies are a practical means of optimizing physical-chemical and biological process designs and offer the client several benefits, such as:

- Proof of system reliability
- Optimal design conditions for the full-scale system
- Free raw water lab analysis
- Regulatory approval

If interested in a pilot study for this system, please contact us for a proposal and more information.

## SERVICES - INFILCARE™

### PART SALES

Infilco Degremont sells parts and components for most INFILCO brand equipment as well as parts for demineralizers, thickeners, nozzles, pressure filters, and valves. We offer reliable spare parts at competitive prices. We maintain records of previous installations to quickly identify your requirements. Many items are shipped directly from stock for quick delivery.



### REBUILDS, RETROFITS AND UPGRADES

Infilco Degremont offers cost-effective rebuilds and upgrades for INFILCO provided systems, no matter what year they were built. If you are interested in an economical alternative to installing a whole new system, contact us for a proposal.



## CONTACTS

[WWW.DEGREMONT-TECHNOLOGIES.COM](http://WWW.DEGREMONT-TECHNOLOGIES.COM)

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