



Bilfinger Water Technologies

# Vee-Wire<sup>©</sup> Technology in Industrial Processing

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# Vee-Wire® Technology in your industrial process



**Johnson** screens™

World Leader  
in Filtration Technologies

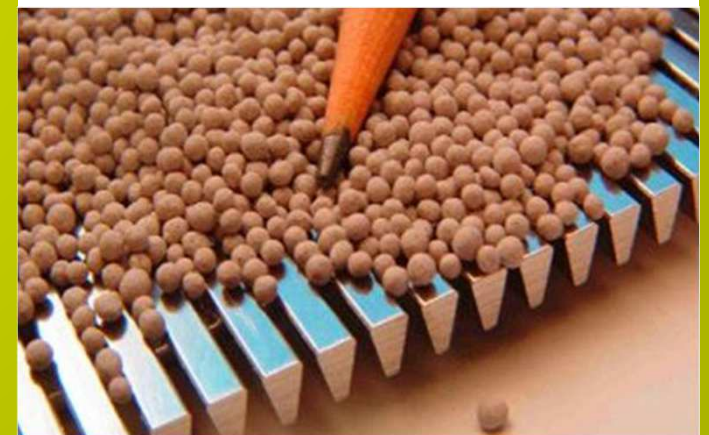
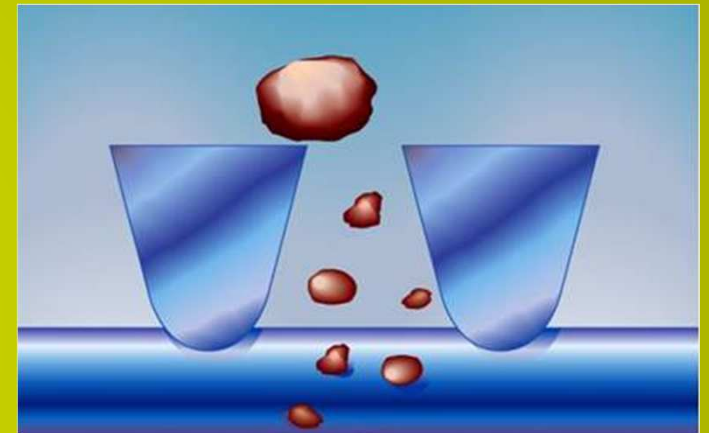
for

- Process Industries
- Water Production and Treatment
- Refining and Petrochemical Applications



# Vee-Wire® Features

- High Open Area
- Continuous Slot Opening
- Optimized Screen Design
- Quick On-Site Installation
- Vee-Wire Profile
- Two Points Contact of Particles
- Smooth Surface
- Strong All-Welded Construction
- Easy Cleaning

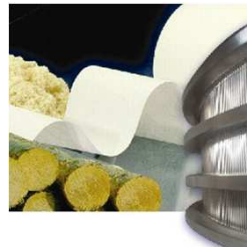




# Vee-Wire<sup>®</sup> Technology in your industrial process



Water Well



Pulp & Paper



Water Intakes



Food & Beverage



Water Treatment



Hydrocarbon  
Processing Industries



Architecture



Mining

# Vee-Wire® Technology in Food & Beverage processing



## Screens and equipment for

### ▪ Starch industry

- Fugal screens for different kind of centrifuges
- Sieve bends and pressure boxes for fiber removal
- Intake screens for process water

### ▪ Sugar industry

- Fugal screens for continuously and discontinuously working centrifuges
- Rotating screens for first level and fine fiber separation
- Extraction tower panels
- Flat panels for washing, juice screening
- Candle filters for juice filtration



# Vee-Wire® Technology in Food & Beverage processing

## Screens and equipment for

- **The bio-fuel processing**
- **Corn wet milling**
  - for Steeping tanks, as lateral distributors or collectors
- **Ethanol processing**
- **Malting and Brewing**
  - for Lauder tubes, Germination, Kilning, Ultra Filtration, Steeping, Malt extraction



## Vee-Wire® Technology in Pulp & Paper processing



- Screen baskets and rotors
- Pressure screens
- Extraction and pulper plates
- Pulper rotors
- Top separators and screen panels
- Drum screens
- Bow screens
- Channel screens of all types
- Screw press baskets and spirals
- Process water systems





# Vee-Wire<sup>®</sup> Technology in hydro carbon processing

- **Refining**

Catalytic reforming, hydrocracking, hydro treating, molecular sieve, sulfur removal, catalyst regeneration, alkylation, isomerization, hydrogen, MTBE, HDS

- **Petrochemical**

Ammonia conversion, paraxylene, propane, PTA, styrene monomer dehydrogenation, gas dehydration, methanol, LAB, cymene, PSA, mercury removal, benzene absorption

- **Natural Gas**

Molecular sieves, activated and promoted alumina, activated carbon, silica gel, amine, glycol, sulfur plant, mercury removal, IGCC, coal gasification





# Vee-Wire<sup>®</sup> Technology in Mining



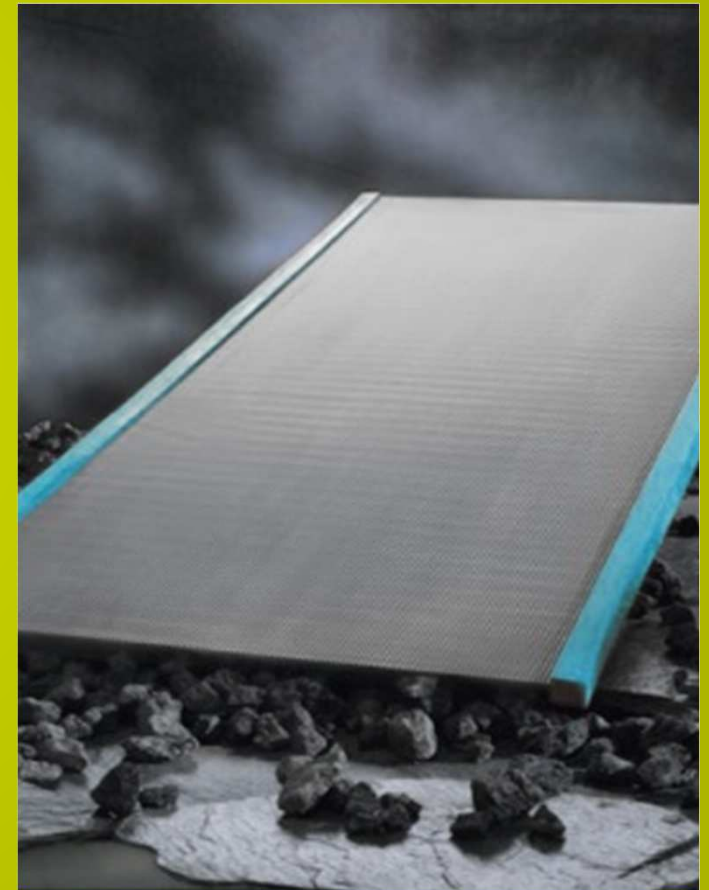
- **Flat Panels**

Resi-Flex Polyurethane systems , Resi-Flex Hard Chrome systems  
and Resi-Flex Perforated Plate systems

- **Centrifuge Baskets**

- **Sieve Bends**

- **Rubber Screening Systems**



## Vee-Wire® Technology in Water Well

- **Pre-Packed Screens (Muni-Pak)**  
Ceramic beads as filter media
- **Standard Tube Screens**
- **Pipe Based Screens**
- **Reinforced Screens**



# Vee-Wire<sup>®</sup> Technology in Water Intakes

## High performance Intakes

- Available from 90 to 4.430 m<sup>3</sup>/h
- Construction as horizontal T-Intake or vertical S-Intake
- Also for shallow water up from 60 cm
- Air Backwash system for continuously cleaning



# Vee-Wire<sup>®</sup> Technology in der Water Treatment

## Triton Underdrain System

- High Capacity system with optimize filtration efficiency
- Large open area
- Smooth robust plug-free retention surface
- Effective washing by air/water
- Several layers of filter media may be used without risk
- Reduced number of backwash cycles = higher production (m<sup>3</sup> per m<sup>2</sup>)





## Vee-Wire® Technology in Architectur



- Column covers
- Floor gratings
- Ceiling and wall claddings
- Urban furniture
- Light columns
- Ventilation covers
- Sculptures





**Thank you for your attention!**