



# Hellan Fluid Systems



## STRAINERS



## SYSTEMS



## SOLUTIONS

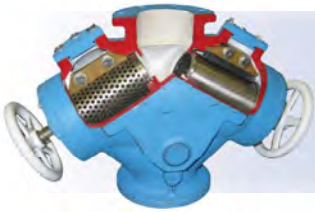
[Hellan Fluid Systems Products](#)



Instead of trapping solids like conventional basket strainers that necessitate frequent basket removal for cleaning, the Hellan Strainer discharges solids from the flow without disassembly. This difference reduces operational and maintenance costs and permits continuous flow of fluids.

Hellan strainers remove:

- algae
- zebra mussels
- sand
- grit
- debris
- machine cutting chips



Hellan industrial manual strainers employ handwheel equipped rotating screen(s) paired with a rigid scrapper bar to remove solids from the screen. Cleaning is accomplished by opening a valve on the sump flush line after rotating the handwheel.

Automatic strainers provide hands free operation by employing electric motors to rotate the screen(s) against the rigid scraper bar followed by the actuator opening the drain valve.



Benefits:

- Removes solids without stopping the flow
- Low operating cost
- Safety for employees
- High quality construction
- Exceeds major U.S. industrial codes and standards
- Exceeds major international standards
- Customizable to your project needs
- Low installation and maintenance costs

## SSI Standard Strainers

SSI Standard Strainers are for use in Industrial, Commercial, and HVAC applications. Fabricated strainer systems can be made to order with custom face-to-face dimensions for new and existing applications.



6" FB 1

### **Basket Strainer (FB Series)**

**Features:**

- Fabricated construction
- Filtration down to 40 micron
- Both compact and high capacity units are available
- Large strainer baskets

### **Y-Strainer (FY Series)**

**Features:**

- Low pressure drop streamlined design
- Large strainer screens
- Installation in both horizontal and vertical pipelines



8" FY1



10" FD 3

### **Duplex Strainer (FD Series)**

**Features:**

- Dual strainers for online maintenance
- Multiple configurations

### **Tee Strainer (FT Series)**

**Features:**

- Horizontal and Vertical installation
- Three flow configurations



2" FT 1



16" x 14" FF

**Suction Diffuser (FF Series)**

**Features:**

- Strainer, flow straightner, elbow & pipe reducer
- For pump applicatons

**Temporary Strainers  
(TB, TC & TP Series)**

**Features:**

- Cone, Basket & Plate strainers
- 100 to 300% open area ratio (OAR)



20" FA 1

**Automatic Strainer (FA Series)**

**Features:**

- Complete control system
- Intermittent or continuous mode
- Self cleaning (auto backwash)

**Tanks:**

- Accumulators
- Condensate Receivers
- Blow Down Tanks
- Flash Tanks
- Processing Tanks
- Mixing Tanks
- Surge Tanks
- Pressure Piping
- Custom Requests



**Skid Systems:**

- Custom built solution
- Plug and play installation
- Improves construction lead time by 25-30% in time to competition and operation
- 5-10% less construction waste onsite

**Applications**



FPSO



OEMs



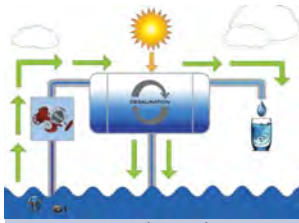
Fire Protection



Oil & Gas



Power Generation



Desalination



HVAC



Mining



Ethanol

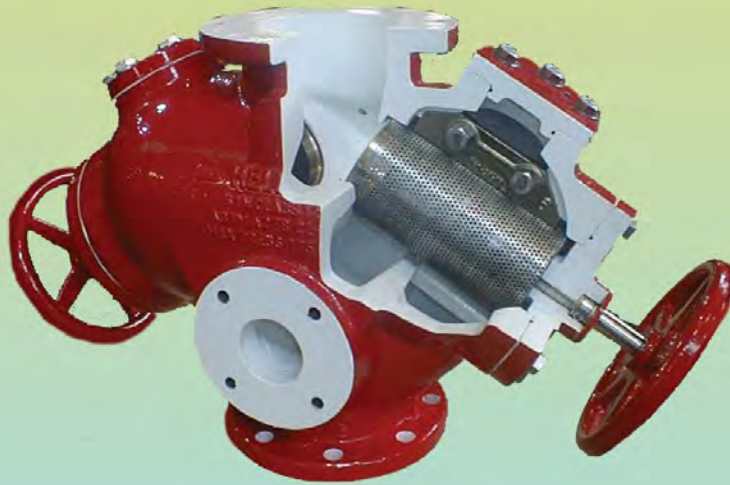


Hydro Dams





# Hellan Fluid Systems



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