Taha Kimia TajhizCo.

Core Lab

Sanchez Technologies

# Jet Impingement
## Datasheet

## Reservoir Fluid Analysis-PVT \
## Special Fluid Analysis

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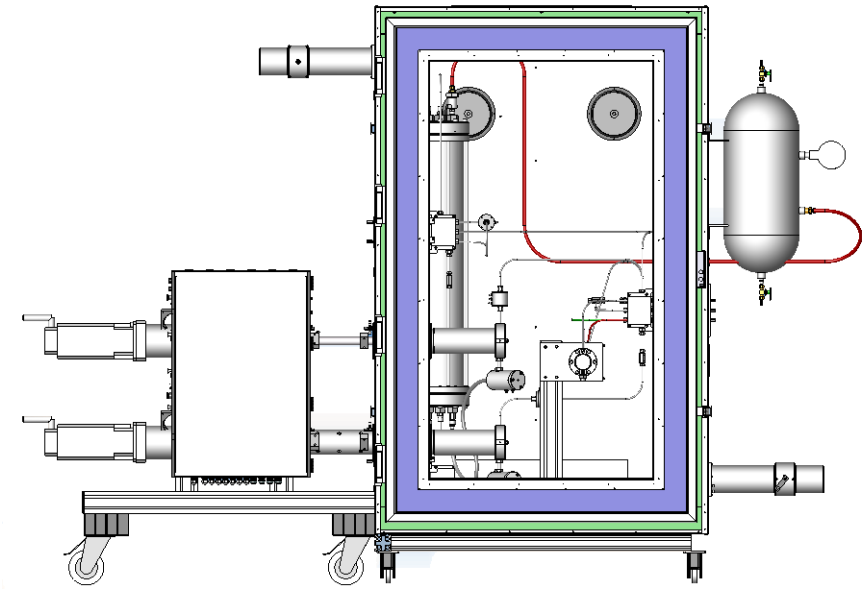
# Jet Impingement



## General Features

*The equipment enables to perform corrosion tests on pipelines materials simulating a fluid circulation on a lining.*

| Specifications | |
|---|---|
| Working Temperature | Ambient to 150°C |
| Pumps Pressure | 15 bar |
| Cell Pressure | 10 bar |
| Cell Volume | 40 ml |
| Flow Rate | Ambient to 1000 ml/min |
| Pumps Volume | 2 x 1000 ml |

*With two synchronized pumps for a continuous flow circulation fluid, a liquid is projected on coaxial electrode which permits to measure a potential difference.*
*An automatic system can realize fluid mixing before injection thanks to an integrated mixer where the liquid is saturated in gas (H2S).*
*The device also provided inhibitor additions in order to measure their electrode corrosion impact.*
*The apparatus is integrated in a climatic air bath allowing a temperature regulation in real dynamic fluid conditions (150°C).*

*It's possible, with the synoptic or with the electric cabinet, to control the pumps (pressure regulation, constant flow rate, constant volume) , to control the temperature of climatic air bath, and record the*

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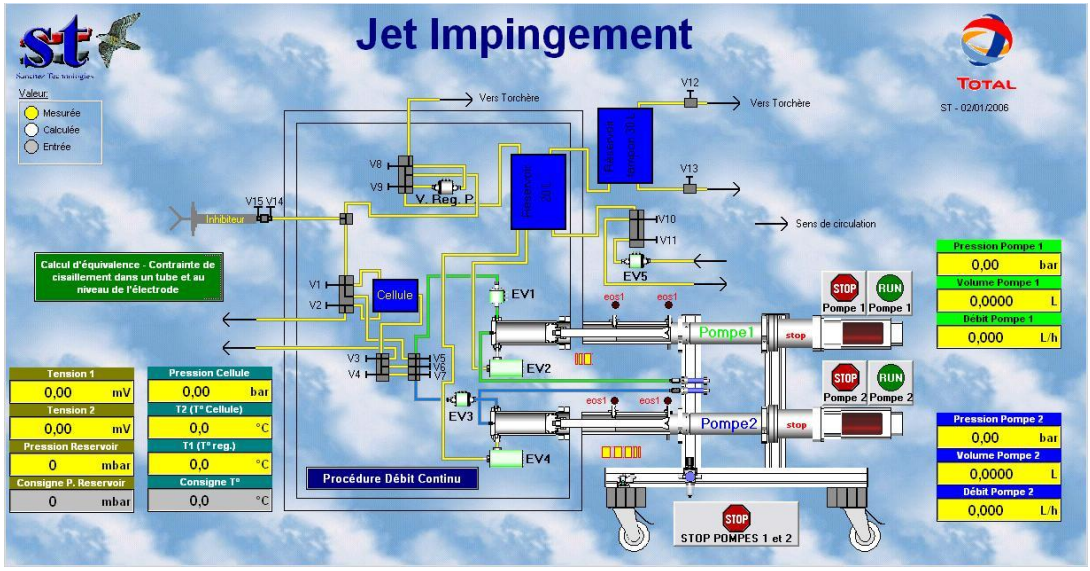
*values of the different parameters (pressure, temperature, equivalence calculation, tube shearing stress, electrode shearing stress,…)*

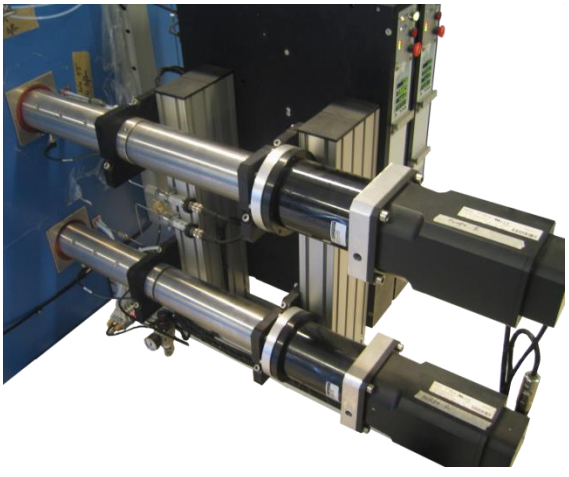
*This equipment is composed of following items:*

- *A Cell*
- *Double Pumps*
- *Climatic Air Bath*
- *20 L Hastelloy Tank in the Climatic Air Bath*
- *30 L Buffer Tank*
- *Automatic Valves*
- *High Accuracy Pressure Sensors*

*Example of synoptic*




*Double Pump*



*Buffer Tank*