

HTHP Core Aging System**Model RCAS-250****Part No.: 185-250****(Zhejiang, CHINA)*****...Quality is Everything...***

General Features

The core aging system consists in saturation at reservoir conditions with brine and then with crude oil so as to restore its reservoir wettability. The oven for temperature reservoir conditions contains as many as you want core holders.

ITEM	Description	Specifications
1	Working Pressure	10000 PSI (70MPa)
2	Working Temperature	Ambient to 250°C (480°F)
	Pore Pressure Circuit	69 MPa (690 bar)
3	Sample Size Diameter	Adjustable upon request
4	Sample Length	Adjustable upon request
5	Number of Samples	Adjustable upon request

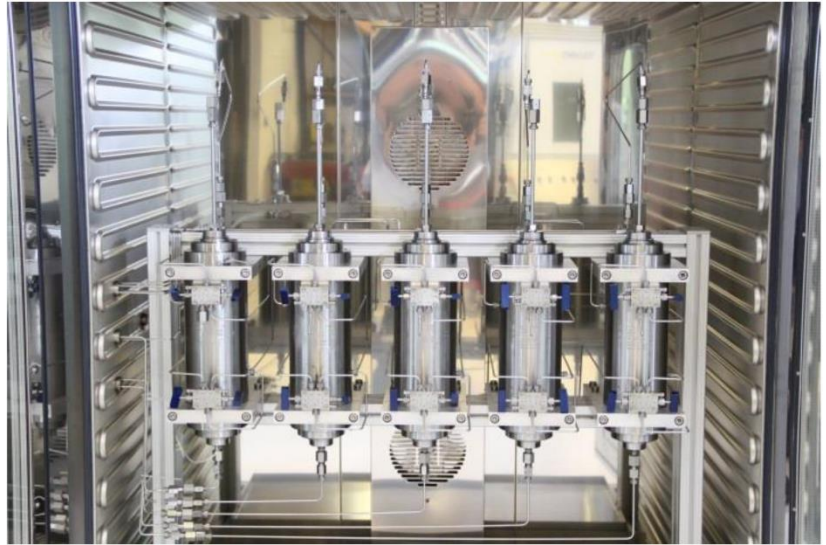
The principal is first saturation of a cleaned core plus with brine. After saturation is completed the pores remain water, this water is displaced by oil injection leaving water films on the pore walls.

During several weeks the core containing crude oil and connate water is left at reservoir conditions pressure and temperature. The wettability changes on oil-invaded pores. The wettability changes are dependent of the stability of the water wet films, trapped between the pore core surface and the oil. The pore walls can only become oil-wet if contacted by oil due to the rupture of these films. The core will have a mixed wettability state status.

Each core holder is connected to the confining pressure circuit with one insulating valve and one purge valve with quick fastens fittings to facilitate operation. In pore circuit, each cell has two valves. Each core holder is connected also to a pore injection circuit with insulating valves. The pore pressure circuit is supplied with a back pressure regulator adjustable manually from 2MPa (20 bar) to 69MPa (690 bar). The cell is pore pressure insulated and kept during weeks for aging.

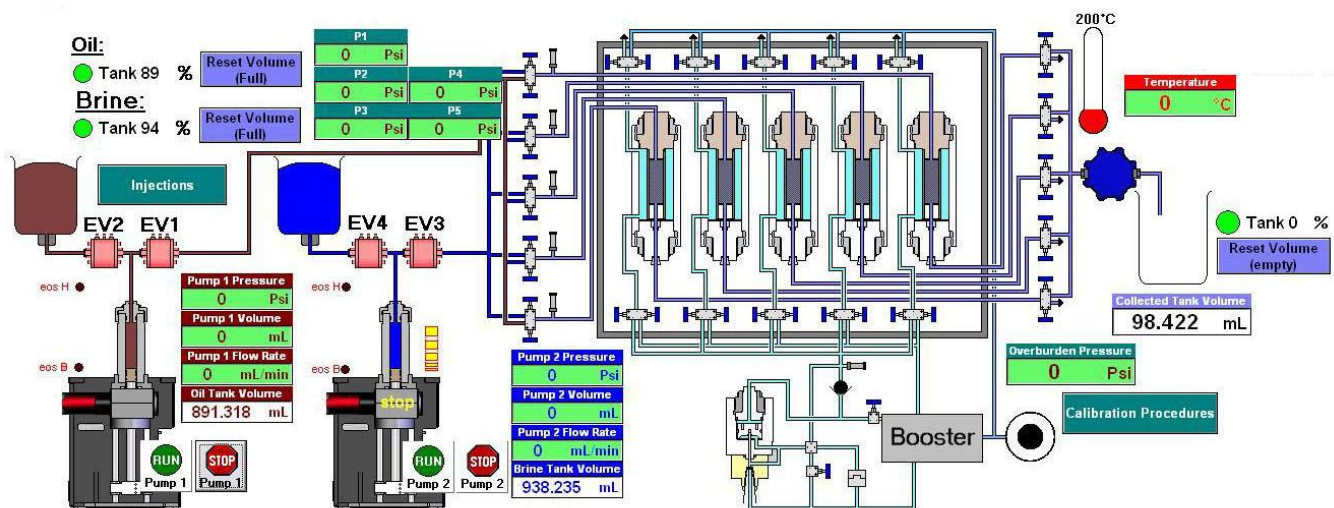
This system is composed of:

- Reservoir Condition Oven
- Core Holders
- Automated Overburden System
- Dual Piston Syringe Pump
- Accumulators
- Back Pressure Regulator
- Automatic Data Acquisition Module
- Differential Pressure Transducers



RIGCHINA

Core Sample Aging System



Warranty and Returns

1.1 Warranty

Rigchina Group Company warrants its products to be free from defects in material and workmanship for a period of 12 months from the time of shipment. If repair or adjustment is necessary, and has not been the result of abuse or misuse within the twelve-month period, please return, freight prepaid, and correction of the defect will be made without charge.

Out of warranty products will be repaired for a nominal charge.

Please refer to the accompanying warranty statement enclosed with the product.

1.2 Returns

For your protection, items being returned must be carefully packed to prevent damage in shipment and insured against possible damage or loss. Rigchina will not be responsible for damage resulting from careless or insufficient packing.

Before returning items for any reason, authorization must be obtained from Rigchina Instrument Company. When applying for authorization, please include information regarding the reason the items are to be returned.

Our shipping address is:



RIGCHINA GROUP COMPANY

Location: No.80-82, Qiude Road, West Cheng Industrial Estate,
Yongkang city, Zhejiang Province,
China, Postcode: 321300



RIGCHINA GROUP COMPA...
Hubei Enshi



Telephone: [0086-579-87537698](tel:0086-579-87537698)

Online



For sales information: sales@rigchina.com

Website: <http://www.rigchina.com>

For After-Sales Service: service@rigchina.com



Scan the QR Code to add me on WeChat

...Quality is Everything...