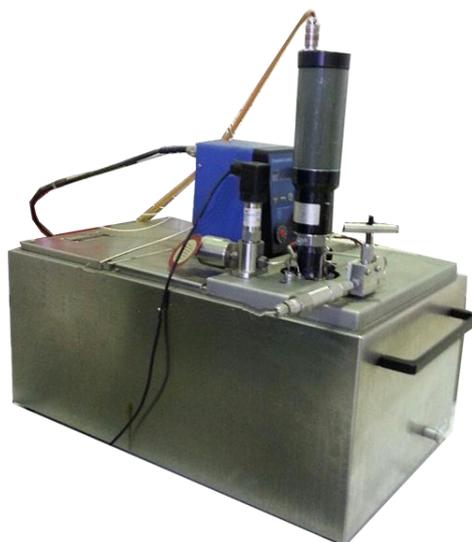


Dynamic Scale System

The Dynamic Scale System is a lab-scale fluid flow simulation tool which is designed to measure asphaltene (and other solid content of petroleum fluids) deposition under realistic production and transportation flowing conditions. The deposition rate is measured in terms of pressure loss in the pipe. The effects of temperature, pressure and flow regime on the deposition behavior of asphaltene can be investigated using the Dynamic Scale System. Moreover, the performance of asphaltene deposition inhibitors can be assessed with the apparatus.



| Specification | DSS -PR01 | DSS -PR02 |
|-----------------------------|---------------------|-------------------------------|
| Maximum Working Temperature | 90 °C | 150 °C |
| Maximum Working Pressure | 6,000 Psi | 10,000 Psi |
| Pressure Accuracy | 0.05% F.S. | 0.05% F.S. |
| Tube Size | 1/8 in. & 1/16 in. | 1/8 in. & 1/16 in. |
| Number of Accumulators | 2 | 2 |
| Wetted Parts Material | Stainless Steel 316 | Stainless Steel 316/Hastelloy |
| Power Supply | 220 VAC, 50/60 Hz | 220 VAC, 50/60 Hz |
| Force Convection Oven | ✓ | ✓ |

Contact info:

+98 71 3624 6968 / +98 71 3624 7604
info@petroazma.com
www.petroazma.com

Address:

Fars Science and Technology Park,
Aryan St., Dr.Hesabi Blvd., Shiraz, I.R.Iran
P.O Code: 7197687811