**DDTOP NBLB Target Flow Meter**

**Reliable Flow Measurement in Atmospheric and Vacuum Distillation Unit**

**RESULTS**

* Reliable solution for the constant pressure distillation unit medium viscosity, easy to condense,easy to corrode and other problems。
* Better ensure that the device can operate stably.

**APPLICATION**

**Equipment**：Atmospheric and Vacuum Distillation unit

**Medium**：Heavy oil, Primary distillation tower bottom oil

**Medium Characteristics**：High viscosity, easy to condense, easy to corrode, contain impurities (particulates)

**CUSTOMER**

Shandong Keyu Energy Co.,Ltd

**CHALLENGE**

Shandong Ke Yu Energy co., Ltd. 600,000 tons of advanced road asphalt project, Refining asphalt One of the methods is to use atmospheric and vacuum distillation unit distillation, wherein, the distillation process will produce some high viscosity, easy to condense the process medium, such as heavy oil, initial distillation tower bottom Oil. Because of its easy condensation, so its operating temperature is generally more than 200 ℃, which is often accompanied by sulfur-containing sewage, because of the h2s, resulting in corrosive media, the instrument material has a high demand. Some process media often contain impurities (particles) such as dirty fluid, the flow of measurement caused some difficulties.

**SOLUTIONS**

1、For high temperature medium, the table header is installed with a heat shield or heat sink (sheet) to eliminate the adverse effects of high temperature medium on the electronic components in the table header;

2、For the medium is corrosive, the wetted material is selected according to NACE MR0103 standard material;

3、For the easy condensation of the medium, the instrument can be measured to increase the heat tracing jacket device;

3、The meter itself is suitable for high viscosity applications and can measure dirty fluids such as impurities (particulates).

The nblb target flow meter provides better protection for the entire unit from safe and stable operation over long periods of time.

**Dandong Top Electronics Instrument (Group) Co. Ltd.**

**Reliable Process Instrumentation and Automation Solution Provider**

**Sales and Service Contact**

**HQ Address: No. 10 Huanghai Street, Zhenxing District, Dandong, Liaoning,**

**China, 118000**

**Tel：+86-0415-6226466**

**Fax：+86-0415-6227341**

**Website: www.ddtop.com/en**

**Email: itrade@ddtoptrade.com**