

Oil Level Control Sensor

Data Sheet

Type: HBOC-V/C



Purpose:

HBOC is a stand-alone sensor and controller for easy and safe distribution of oil with built-in adjustable timer, alarm, alarm reset and compressor running signal. The oil level control sensor, in conjunction with a 24V DC solenoid valve, is designed to control oil levels in compressors and oil separator systems. This compact, cost effective sensor design, provides reliable and accurate detection of oil levels in equipment.

The oil carry over from compressors in multiple compressor parallel rack systems require proper oil management. The HBOC has been designed to control lubrication and prevent compressor break down.



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Product Features:

- Stand alone microprocessor sensor with controller built in for automatic oil management
- Easy setup and change of timer and alarm settings
- *“Service Friendly”* Split design for easy mounting, maintenance and remote programming without depressurization
- Unaffected by foam, splashing and coating
- Resists high pressures and temperatures
- LED indication for oil, alarm and power
- Savings on installation, cost and time



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Technical Data

- Power Supply: 24V DC \pm 10%
- Note:**
Only DC supply for operating solenoid valves
- Current Consumption: Max 30mA
- Transistor Output: ①
On/Off, PNP or NPN, Max 1A
- Output Function: ①
Normally Open (NO)
Normally Closed (NC)
- Potential Free Output: ①
On/Off, Max 1A (24W)
- Electronic Connection: M12, 5 pin
- Cable Length (HBOC-V): 3m (118")
- Ambient Temperature: -20°C to 50°C (-4°F to 122°F)

- Oil Temperature: 0°C to 85°C (32°F to 185°F)

- Note:**
High temperature version available on request (oil temperature 120°C/248°F)

- Max Operating Pressure: 150 bar (2175 psig)
- LED Indication
 - Oil (yellow)
 - Power (green)
 - Alarm (red)

- Connection: 3/4" NPT

- EMC Test: EN Industrial

① Depending on type and configuration

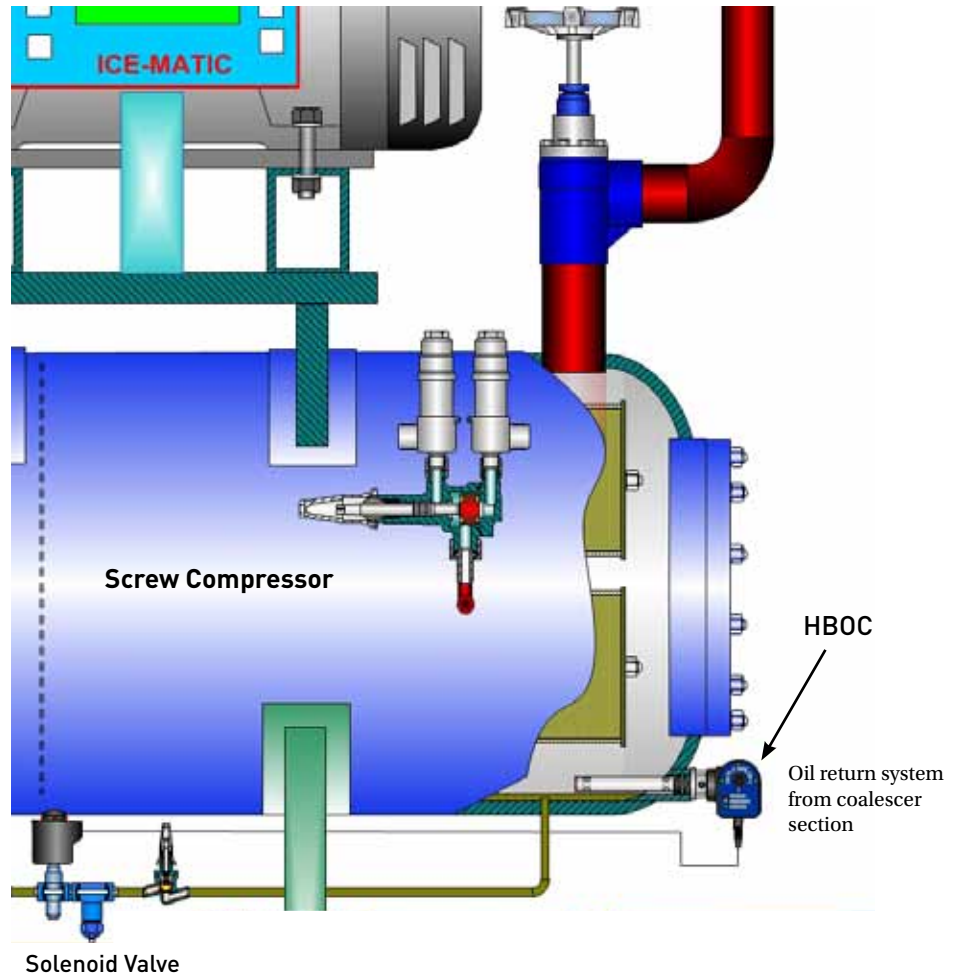
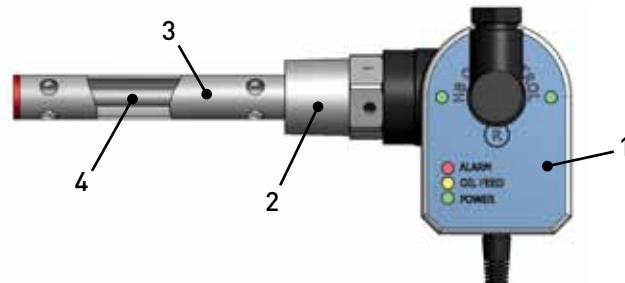


Diagram: Oil Level Control Sensor (HBOC)



No.	Part Description	Material
1	Electronic Controller, Head	GF BLK, Nylon 6 (PA), Glass Fiber
2	Thread	S.S. AISI 303
3	Reference Pipe	S.S. AISI 304
4	Inner Electrode	S.S. AISI 303