



DUMPSTAR Level Control for Oil/Water Interface



Improved interface level control reduces product loss with water dump.

You can depend on Drexelbrook point level controls to help cut costs by increasing your operating efficiency by controlling water dump more precisely.

Our compact, heavy-duty controls provide reliable indication of crude oil/water interface levels in oil production separators. Dependable performance has been proven in automatic well testers, freewater-knockouts, flowsplitters, heater treaters and electrostatic treaters.

Installation is easy and does not require vessels to be empty. The electronic unit is integral with a retractable sensing element for simple insertion into existing block valves.

Relay contacts at the electronic unit can be used to operate dump valves or timers.

Save money

Can prevent dumping of valuable oil with water draw-off. Improved control decreases product waste and increases separator efficiency. Replaces conductivity and capacitance probes without rewiring.

Install in minutes

Can be installed directly into existing vessel openings. Retractable sensor will fit through a standard block valve with a minimum opening of 7/8-inch. No calibration required.

Rely on it!

Cote-Shield™ electronics ensure repeatable level indication regardless of temperature or density changes.

Forget Maintenance

No-moving-part design reduces repair and downtime - no need for routine cleaning.

Don't be a "guinea pig"

Based on field-proven technology that has been used successfully at major plants for over twenty years.



Point Level Measurement

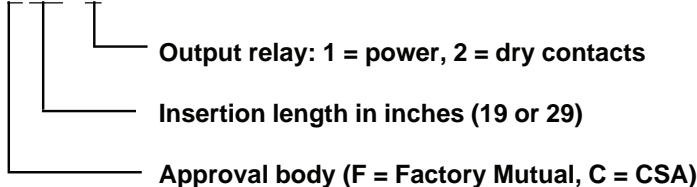
DUMPSTAR Level Control

Standard Controls

System Number	Process Press./Temp.	Sensing Element Mounting	Dimensions	Sensing Element Materials of Constr.
506-6900-X19-X	150 psi @ 300°F	1-inch NPT std.	42-inches max clearance required, 19-inch insertion length (less length of valve and nipple)	316 SS, CS, and TFE wetted parts
506-6900-X29-X	150 psi @ 300°F	1-inch NPT std.	52-inches max clearance required, 29-inch insertion length (less length of valve and nipple)	316 SS, CS, and TFE wetted parts

Model Numbering

506-6900- F XX - X



Electronic Specifications

Power requirement

120 ± 25V 50/60 Hz, 1 W

Level output

DPDT relay

Contact rating

120 Vac; 5 A non-inductive,
3 A inductive

or

dry contact, 1 A non-inductive

Time delay

0-90 seconds, standard

Ambient Operating temperature

-40° to 140°F

Process Operating Temperature

0-300°F

Ambient Temperature effect

(operating point)

< 0.1-inch/100°F

Sensitivity

.01-inch standard

RFI protection

Less than .01-inch shift in operating point for unit in explosionproof housing from 5 W field @ 27, 150 or 450 Mhz at a distance of 5 feet from exposed cable or power line

Fail-safe

All controls,
low-level fail-safe (LLFS)

Standard housings meet the following classifications:

NEMA 1 General-purpose

NEMA 3 Weather-resistant

NEMA 4 Water-tight

NEMA 12 Dust-tight

NEMA 13 Dust-tight

Explosionproof for Class I, Groups A, B, C, D, and Class II, Groups E, F, and G.

Approvals

Choice of FM or CSA

Optional Drexelcote™ corrosion-resistant housing available.

U.S.A. Sales: 800-553-9092 • 24-Hour Service: 800-527-6297 • International Support: 215-674-1234 • Fax: 215-674-2731

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