



## **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

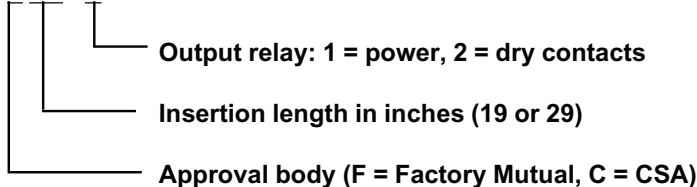
## DUMPSTAR Level Control

### 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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