

**DREXELBROOK®**

## 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"

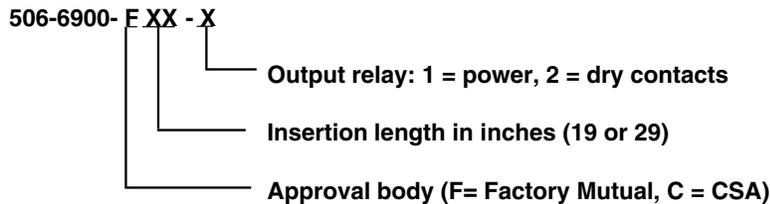
Based on field-proven technology that has been used successfully at major plants for over twenty years.

# 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



## 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.**