

ENCLOSURE NEMA 1 rated, NEMA 4x optional

LED INDICATORS:

- High Water Red
- High Oil Red
- Pump Run .Green
- Power On Green

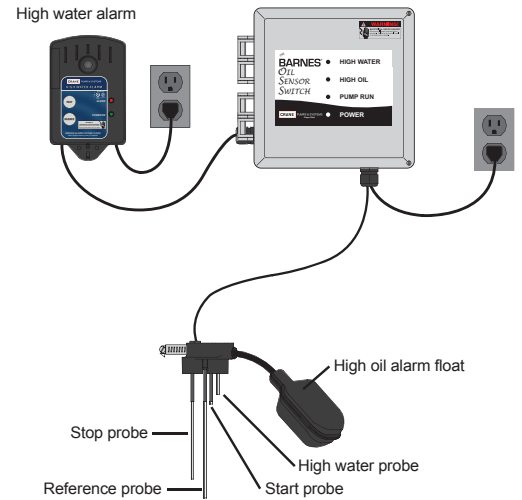
Factory installed Oil Water Switch:

- Pump activation probes (start and stop levels) 5 inch pumping range
- High water alarm probe
- Reference probe (ground)
- High oil alarm float (mechanical)

Auxiliary contacts for remote alarms (high water and high oil), auto dialer or building automation system.

If the water level continues to rise and reaches the High Water Probe, the red high water LED indicator illuminates and auxiliary contacts close (activating the High Water alarm or other remote device). If the oil level rises to activate the mechanical High Oil Float, the red high oil LED indicator illuminates and auxiliary contacts close (activating an optional High Water alarm or other remote device). ASME A17.1 compliant system.

Factory-installed 120V, 15A power cord (10ft.)



**Series: BOSS
Oil Sensor Switch**



DESCRIPTION:

BARNES OIL SENSOR SWITCH, BOSS, IS DESIGNED TO CONTROL SIMPLEX PUMP APPLICATIONS TO REMOVE WATER FROM ELEVATOR PITS WHILE PREVENTING OIL FROM BEING PUMPED INTO THE ENVIRONMENT.

The BOSS PLUS control and alarm system offers all the same features and specifications as the BOSS, but it automatically removes the fluid from the elevator pits without human intervention to satisfy states that require an ASME A17.1 compliant system.

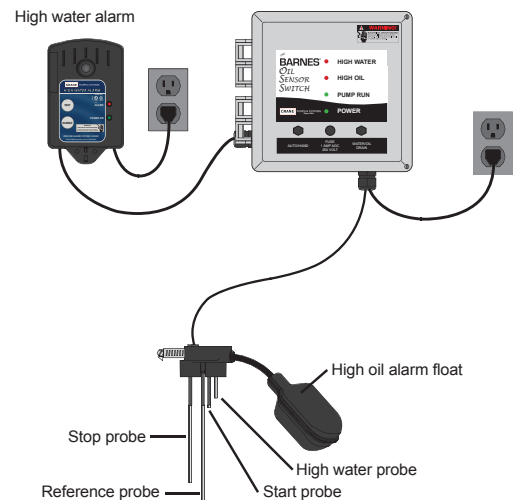
The Barnes BOSS PLUS employs a terminal block for one 120 VAC pump, a 120 VAC oil containment valve and a 120 VAC water drain valve. Another terminal block is for wiring the probe, high water alarm float, and auxiliary alarm connection. The panel also includes a Auto/Hand pump switch and Water/Oil drain selection switch (functions in hand mode only).

In normal operation the pump will turn on and off as the water/oil level activates the probes (5" (12.7 cm) pumping range). If the water/oil level rises enough to activate the high water probe or oil reaches the high oil float, a red indicator will illuminate and activate auxiliary contacts. The pump energizes along with the valves to automatically remove contaminated water/oil into the appropriate holding vessel.

In hand operation (spring loaded) the operator can manually pump out the water/oil from the pit. The valve selection switch allows the operator to choose if the valves are activated or not.

Features:

- Water/Oil drain switch (functions in hand mode only)
- Oil Water Switch includes:
 - High Water Indicator (red)
 - High Water Probe
 - Start Probe
 - Stop Probe
 - Reference Probe
- Auto/Hand switch (spring loaded to auto)



**Series: BOSS PLUS
Oil Sensor Switch**



DESCRIPTION:

BARNES OIL SENSOR SWITCH, BOSS PLUS, IS DESIGNED TO CONTROL SIMPLEX PUMP APPLICATIONS TO REMOVE WATER AUTOMATICALLY FROM ELEVATOR PITS WITHOUT ANY HUMAN INTERVENTION WHILE PREVENTING OIL FROM BEING PUMPED INTO THE ENVIRONMENT

Series BOSS and BOSS PLUS

Oil Sensor Switch

BARNES®

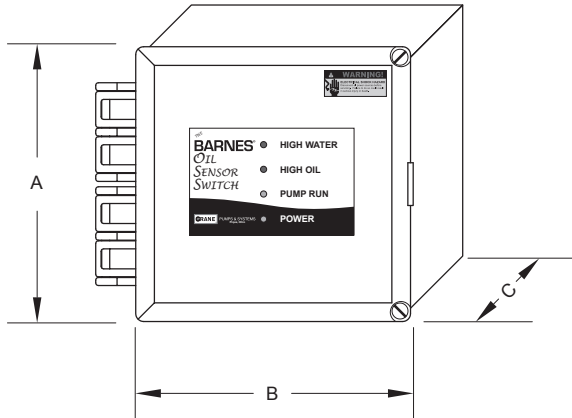
Professional Plumbing

www.cranepumps.com

Accessories

Series: BOSS Oil Sensor Switch

inches
(mm)

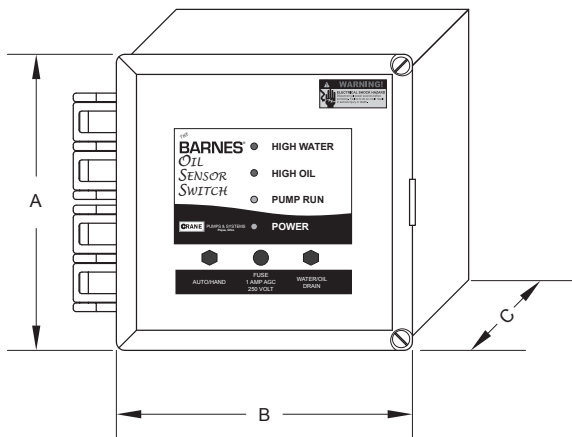


BOSS		
A - Height	B - Width	C - Depth
8.50 (216)	8.75 (222)	4.75 (121)

Notes:

- Includes control panel, oil sensor switch, and high water alarm.
- Alarm and power entry points are not pre-drilled on 120V Single Phase NEMA 1 units.
- Oil Water Switch and power cord is factory installed.

Series: BOSS Plus Oil Sensor Switch



BOSS PLUS: Single Phase		
A - Height	B - Width	C - Depth
24.00 (610)	20.00 (508)	8.00 (203)
BOSS PLUS: Three Phase		
A - Height	B - Width	C - Depth
10.00 (254)	10.00 (254)	6.00 (152)

Notes:

- Includes control panel, oil sensor switch, and high water alarm.
- Alarm and power entry points are not pre-drilled.

Model	Part No.	HP	Volts/PH	RPM	Full Load Amps	Power Cord Length (Ft.)	Pump Cord Length (Ft.)	Oil Water Switch Cord Length (Ft.)	Weight (lbs.)	Enclosure
BOSS & HWA	135795	N/A	120/1	-	15.0 (pump max.)	10	-	10	10	NEMA 1
BOSS w/ SP50X & HWA	135784	.50	120/1	3450	6.8	10	20	10	44	NEMA 1
BOSS w/ SP75X & HWA	135785	.75	120/1	3450	9.8	10	20	10	44	NEMA 1
BOSS w/ EHV412 & HWA	135786	.50	120/1	3450	6.4	10	20	10	54	NEMA 1
BOSS & HWA	137347	N/A	120/1	-	15.0 (pump max.)	10	-	10	15	NEMA 4X
BOSS & HWA	136154	N/A	208/230/460 3PH	-	15.0 (pump max.)	NC	-	10	35	NEMA 4
BOSS PLUS & HWA	137040	N/A	120/1	-	15.0 (pump max.)	NC	-	10	10	NEMA 1
BOSS PLUS & HWA	137346	N/A	120/1	-	15.0 (pump max.)	NC	-	10	15	NEMA 4X
BOSS PLUS & HWA	137876	N/A	208/230/460 3PH	-	15.0 (pump max.)	NC	-	10	36	NEMA 4

HWA = High Water Alarm
NC = NO CORD

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CRANE®

PUMPS & SYSTEMS

A Crane Co. Company

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