

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

**PUMP COMPANY**

Zoeller Family of Water Solutions™

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347  
 SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961  
 (502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624

visit our web site:  
[www.zoeller.com](http://www.zoeller.com)



# THE ZOELLER® Oil Guard® SYSTEM

FOR SUBMERSIBLE DEWATERING APPLICATIONS

**APPLICATIONS:**

Designed to help protect the environment and equipment from the dispersion of oils and/or hydrocarbons.

- Elevator Sumps
- Transformer Vaults
- Manufacturing Facilities

**SYSTEMS:**

- Operation of the Zoeller® Oil Guard® System has been independently verified by OnSpeX, div. of CSA, when installed in accordance with our instructions.
- Choose from four model pumps. Includes pump, Oil Smart® switch and alarm (optional control panel).
- Control systems are ASME A17.1 compliant.

**Oil Smart® SWITCH AND ALARM PANEL FEATURES:**

- NEMA-4X alarm panel enclosure
- Audible, light alarms and dry contacts
- Preset "on" and "off" points differentiate oil and water and alerts maintenance personnel of high water or oil detected conditions
- 20 ft. piggyback electrical supply cord
- 20 amp internal relay
- Alarm test and silence switches
- 304 stainless steel probes
- UL508 approved switch

**PUMP FEATURES:**

- Pumps are durable cast iron construction with powder coated epoxy finish and all stainless steel fittings. See back page for a list of pump catalog sheets
- Tested to UL Standard UL778 and Certified to CSA Standard CSA 22.2 No. 108



Model 940-0011 shown. Product may not be exactly as shown.

**SIMPLEX PANEL FEATURES:**

- Oil Smart® liquid alarm switch
- Oil Smart® pump switch (10-2282)
- 115 volts, single phase
- NEMA 4X watertight enclosure with lockable latch
- 30 amp motor start relay
- Pump HOA switch
- Top-mounted red alarm beacon light
- 81 - 84 decibel rated alarm horn
- Horn silence and alarm test switches
- Alarm automatically resets
- Dry auxiliary alarm contacts
- Separate circuit protection for alarm
- Circuit breaker protection
- Pump "Run" indicator light



Model 10-2149



**DUPLEX ALTERNATING PANEL FEATURES:**

- Oil Smart® liquid alarm switch
- Oil Smart® pump switch (10-2283)
- Oil Smart® high water alarm switch for high demand two pump operation
- 115 volts, single phase
- NEMA 4X watertight enclosure with lockable latch
- Two 30 amp motor start relays
- Pump HOA switches
- Top mounted red alarm beacon light
- 81 - 84 decibel rated alarm horn
- Horn silence and alarm test switches
- Alarm automatically resets
- Dry auxiliary alarm contacts
- Separate circuit protection for alarm
- Pump "Run" indicator light



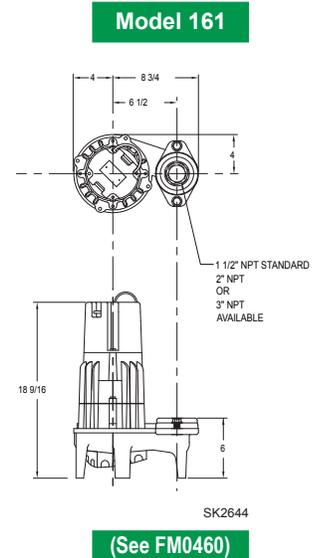
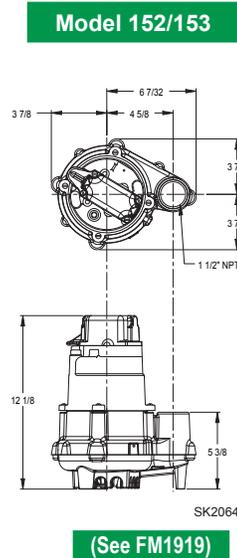
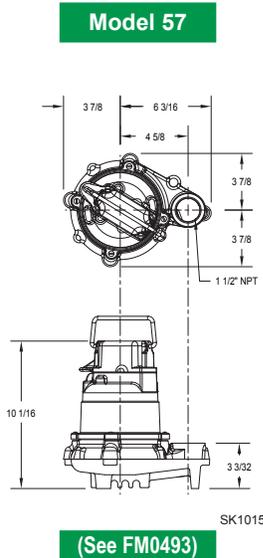
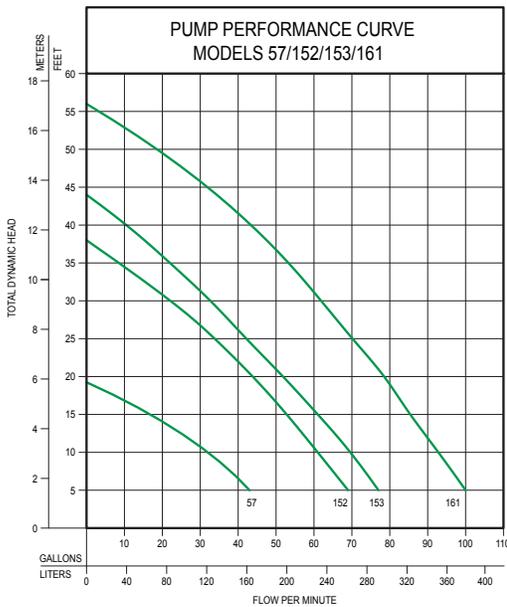
Model 10-2150



**TOTAL DYNAMIC HEAD/FLOW PER MINUTE  
EFFLUENT AND DEWATERING**

| MODEL          |        | 57               |        | 152            |        | 153            |        | 161          |        |
|----------------|--------|------------------|--------|----------------|--------|----------------|--------|--------------|--------|
| Feet           | Meters | Gal.             | Liters | Gal.           | Liters | Gal.           | Liters | Gal.         | Liters |
| 5              | 1.5    | 43               | 163    | 69             | 261    | 77             | 291    | 100          | 379    |
| 10             | 3.0    | 34               | 129    | 61             | 231    | 70             | 265    | 93           | 352    |
| 15             | 4.6    | 19               | 72     | 53             | 201    | 61             | 231    | 85           | 322    |
| 20             | 6.1    | --               | --     | 44             | 167    | 52             | 197    | 79           | 299    |
| 25             | 7.6    | --               | --     | 34             | 129    | 42             | 159    | 70           | 265    |
| 30             | 9.1    | --               | --     | 23             | 87     | 33             | 125    | 62           | 235    |
| 35             | 10.7   | --               | --     | --             | --     | 22             | 83     | 54           | 204    |
| 40             | 12.2   | --               | --     | --             | --     | 11             | 42     | 45           | 170    |
| 50             | 15.2   | --               | --     | --             | --     | --             | --     | 20           | 76     |
| Shut-off Head: |        | 19.25 ft (5.9 m) |        | 38 ft (11.6 m) |        | 44 ft (13.4 m) |        | 56 ft (17 m) |        |

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**COMPONENTS:**

| Part Number | Description                            | Alarm Panel | Oil Smart® Pump Switch | Oil Smart® High Liquid Alarm Switch | Oil Smart® High Liquid Switch |
|-------------|--|-------------|------------------------|-------------------------------------|-------------------------------|
| 10-1526     | Oil Smart® Alarm Panel                 | ✓           | ---                    | ✓                                   | ---                           |
| 10-1528     | Oil Smart® Pump Switch                 | ---         | ✓                      | ---                                 | ---                           |
| 10-1727     | Oil Smart® Pump Switch w/o Plug        | ---         | ✓                      | ---                                 | ---                           |
| 10-2149     | Oil Smart® Simplex Panel               | ✓           | ✓                      | ✓                                   | ---                           |
| 10-2150     | Oil Smart® Duplex Panel                | ✓           | ✓                      | ✓                                   | ✓                             |
| 10-2516     | Oil Smart® Simplex Panel w/ Mtr. Cont. | ✓           | ✓                      | *                                   | ---                           |

✓ INCLUDED \* VARIABLE LEVEL FLOAT SWITCH

These systems are not designed for Explosion Proof Environments. Please consult factory for special options and requirements.

**CAUTION**

All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

**CHOOSE A PREPACKAGED SYSTEM:**

| Part Number | Description                      | Alarm Panel | Oil Smart® Pump Switch | Nonauto Pump | Pump Part Number | Voltage | HP   | Amps | Elevator System |
|-------------|----------------------------------|-------------|------------------------|--------------|------------------|---------|------|------|-----------------|
| 940-0005    | Oil Guard® Pump Switch and Panel | 10-1526     | 10-1528                | N57          | 57-0002          | 115     | 3/10 | 9.7  | ---             |
| 940-0006    | Oil Guard® Pump Switch and Panel | 10-1526     | 10-1528                | N152         | 152-0002         | 115     | 4/10 | 8.5  | ---             |
| 940-0007    | Oil Guard® Pump Switch and Panel | 10-1526     | 10-1528                | N153         | 153-0002         | 115     | 1/2  | 10.5 | ---             |
| 940-0008    | Oil Guard® Pump Switch and Panel | 10-1526     | 10-1528                | N161         | 161-0002         | 115     | 1/2  | 15.0 | ---             |
| 940-0011    | Oil Guard® Pump Switch and Panel | 10-1526     | 10-1528                | *N57         | 57-0070          | 115     | 3/10 | 9.7  | ✓**             |
| 940-0012    | Oil Guard® Pump Switch and Panel | 10-1526     | 10-1528                | *N152        | *152-0028        | 115     | 4/10 | 8.5  | ✓               |
| 940-0013    | Oil Guard® Pump Switch and Panel | 10-1526     | 10-1528                | *N153        | *153-0027        | 115     | 1/2  | 10.5 | ✓               |
| 940-0014    | Oil Guard® Pump Switch and Panel | 10-1526     | 10-1528                | *N161        | *161-0090        | 115     | 1/2  | 15.0 | ✓               |

\* 6' SO JACKETED CORD FOR OIL-RESISTANCE

NOTE: BUILD YOUR OWN SYSTEM. CONTACT FACTORY FOR SPECIFICATIONS.

\*\* DOES NOT MEET ELEVATOR CODE FOR ELEVATORS WITH FIREFIGHTER EMERGENCY OPERATION. DOES NOT PROVIDE 50 GPM.