

Guardian[®]

Now
With
Upgraded Electronics!



The Pool Motor...

with a built in
Safety **V**acuum **R**elease **S**ystem

Why Guardian?

- Economical
- Easy To Install
- Auto-Reset
- Self Calibrating
- Full Body Entrapment Protection
- Listed To The Standards
- Built In Electronics
- Replaces Existing Pool Pump Motors

ACSmith.

Transforming the way you think about entrapment

Pool Safety
Pump Protection
Ease of Installation

Protection

System Requirements

- ▶ See Guardian® Specification and Instructions Guide (available at www.aosmithmotors.com) or contact A. O. Smith at (937) 667-2431 for complete instructions and important safety information.



A. O. Smith

Guardian®

is listed to the

ASME A112.19.17

SVRS standard

for suction lift

applications.



Why Guardian?

The Motor With An SVRS Built Into It

- ▶ Compatible with all flow rates.
- ▶ Facilitates no main drain pool designs in place of an equalizer line. Guardian® shuts off the motor/pump when the water level drops below the skimmer.
- ▶ Reduces pump, motor and seal damage.
- ▶ Guardian® shuts off the motor/pump if any of the following conditions occur: Dry, blocked or jammed pump conditions; locked rotor, loss of prime, or abnormal voltage variations.
- ▶ Detects clogged or blocked filters and shuts down the pump.

Provides Body Entrapment Protection

- ▶ SVRS helps prevent body entrapment on drains due to suction. In some pool configurations, if a person's body covers the drain, the person can be trapped by suction, leading to drowning. When this blockage occurs, the SVRS turns off the pump and releases the suction.

⚠ WARNING SVRS does NOT protect against the four other types of entrapment: hair entanglement, mechanical entrapment, limb entrapment, evisceration/disembowelment.

A. O. Smith Guardian® complies with requirements for Safety Vacuum Release Systems in the Virginia Graeme Baker Pool and Spa Safety Act of 2007.

The New Standard in Pool and Spa Motors

| HP | Voltage | RPM | Frame Size | Service Factor | Service Factor Amps | Model Number | Mounting | Type |
|-------|---------|------|------------|----------------|---------------------|--------------|-----------|------------|
| 1 | 115/230 | 3450 | 56J | 1.50 | 18.6/9.3 | STG1102A | NEMA-C | SWITCHED |
| 1 | 115/230 | 3450 | 56J | 1.10 | 15.0/7.5 | USTG1102A | NEMA-C | SWITCHED |
| 1 | 230/115 | 3450 | 56J | 1.40 | 7.2/14.4 | BG128A | NEMA-C | SWITCHLESS |
| 1-1/2 | 115/230 | 3450 | 56J | 1.00 | 18.6/9.3 | USTG1152A | NEMA-C | SWITCHED |
| 1-1/2 | 230/115 | 3450 | 56J | 1.30 | 9.2/18.4 | BG129A | NEMA-C | SWITCHLESS |
| 3/4 | 115/230 | 3450 | 48Y | 1.27 | 11.8/5.9 | USQG1072A | SQ-FLANGE | SWITCHED |
| 1 | 115/230 | 3450 | 48Y | 1.25 | 14.8/7.4 | USQG1102A | SQ-FLANGE | SWITCHED |
| 1 | 230/115 | 3450 | 56Y | 1.65 | 8.0/16.0 | BG848A | SQ-FLANGE | SWITCHLESS |
| 1 | 230/115 | 3450 | 56Y | 1.25 | 7.1/14.2 | BG853A | SQ-FLANGE | SWITCHLESS |
| 1-1/2 | 115/230 | 3450 | 48Y | 1.10 | 19.2/9.6 | USQG1152A | SQ-FLANGE | SWITCHED |
| 1-1/2 | 230/115 | 3450 | 56Y | 1.10 | 8.0/16.0 | BG854A | SQ-FLANGE | SWITCHLESS |
| 2 | 230 | 3450 | 56Y | 1.10 | 10.0 | BG855A | SQ-FLANGE | SWITCHLESS |

60HZ, Ball Bearing, Stainless Steel Shaft

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A DIVISION OF A. O. SMITH CORPORATION

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Innovation has a name.

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