Guardian®

The Pool Motor...

with a built in

Safety Vacuum Release System

Why Guardian?

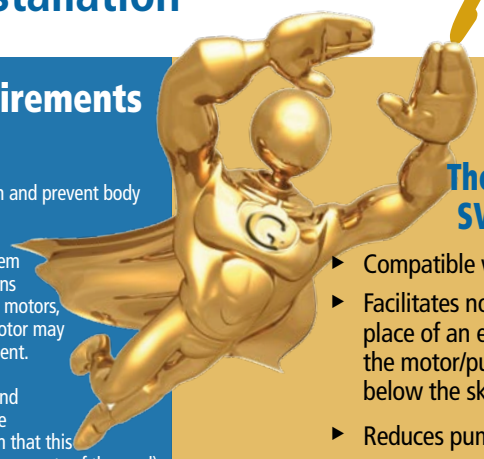
- Economical
- Easy To Install
- Self Calibrating
- Full Body Entrapment Protection
- Listed To The Standards
- Built In Electronics
- Replaces Existing Pool Pump Motors

AO Smith

Transforming the way you think about entrapment

Pool Safety
Pump Protection
Ease of Installation

Protection



System Requirements

⚠ WARNING

To ensure proper SVRS function and prevent body entrapment:

- If the pool circulation system has check valves or contains other, non-SVRS-equipped motors, the Guardian-equipped motor may not prevent body entrapment.
- Remove all check valves and hydrostatic valves from the circulation system (confirm that this will not damage other components of the pool). Check valves in the pool circulation system prevent Guardian from releasing suction in the event of a blockage. If the pool circulation system has check valves, consult a pool professional.
- Be sure that every circulating pump is equipped with SVRS.
- 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.

Guardian® SVRS ASME A112.19.17 - LISTED - SUCTION LIFT

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	STG1102	NEMA-C	SWITCHED
1	115/230	3450	56J	1.10	15.0/7.5	USTG1102	NEMA-C	SWITCHED
1	230/115	3450	56J	1.40	7.2/14.4	BG128	NEMA-C	SWITCHLESS
1-1/2	115/230	3450	56J	1.00	18.6/9.3	USTG1152	NEMA-C	SWITCHED
1-1/2	230/115	3450	56J	1.30	9.2/18.4	BG129	NEMA-C	SWITCHLESS
3/4	115/230	3450	48Y	1.27	11.8/5.9	USQG1072	SQ-FLANGE	SWITCHED
1	115/230	3450	48Y	1.25	14.8/7.4	USQG1102	SQ-FLANGE	SWITCHED
1	230/115	3450	56Y	1.65	8.0/16.0	BG848	SQ-FLANGE	SWITCHLESS
1	230/115	3450	56Y	1.25	7.1/14.2	BG853	SQ-FLANGE	SWITCHLESS
1-1/2	115/230	3450	48Y	1.10	19.2/9.6	USQG1152	SQ-FLANGE	SWITCHED
1-1/2	230/115	3450	56Y	1.10	8.0/16.0	BG854	SQ-FLANGE	SWITCHLESS
2	230	3450	56Y	1.10	10.0	BG855	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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