

SERVICE BULLETIN # 00024

DATE: 13/09/2023

PRODUCT LINE: New Rubber Slinger added to AP S-Speed and V-Speed motors.

REVISION	REVISION DESCRIPTION	BY	DATE
A	INITIAL RELEASE	DDaft	Jul 23

OVERVIEW: New rubber slingers are now included with AstralPool motors to prevent mechanical seal and bearing failures caused by water ingress, which can result in noisy motors and pump failures.

DISTRIBUTION RELEASE NOTES:

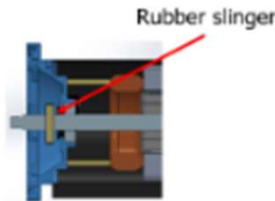
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I'm excited to announce that our quality, engineering, and manufacturing teams collaborated on a new slinger project for all AstralPool pumps. We initiated this project in response to reports of pump failures, mainly due to noisy bearings caused by water ingress and motor failures resulting from mechanical seal failures, which were also linked to water ingress.



Single-Speed Motors with new rubber slinger



Variable-Speed Motors with new rubber slinger

Old Motor	New Slinger Motor	AstralPool Pumps Covered
71310	SP71610	E140, E170, E230, FX140, FX190
71313	SP71613	FX250, CTX280, CTX360
71314	SP71614	FX340, CTX400, XP1.5
71319	SP71619	FX520, CTX500, XP2.0
71460	SP71660	XT P320
71462	SP71662	XT P520

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What does a rubber slinger do for a pool pump motor? A rubber gasket called a "slinger" is included with the motor to fling away water that may get past the shaft seal.

Signs of a leak in the shaft seal. (1) Puddle of water on the ground under the centre of the pump underneath the motor connection point. (2) Water damage to the surrounding area or noticeable corrosion damage to the motor. (3) Consistent, abnormal noise from the motor could point to a bearing motor problem.

What is a pool pump shaft seal? Shaft seals prevent water from leaking along the motor shaft, just behind where it connects to the impeller. The motor shaft goes through the seal plate or the bracket that connects to the pump.

What is the purpose of a mechanical seal in a pump? Mechanical seals are leakage control devices found on rotating equipment such as pumps to prevent the leakage of liquids. If dirt, debris, or other contaminants enter the pump, they can damage the mechanical seal. Importantly, excess heat generation, e.g., a pump running without water, causes major failure of mechanical seals.