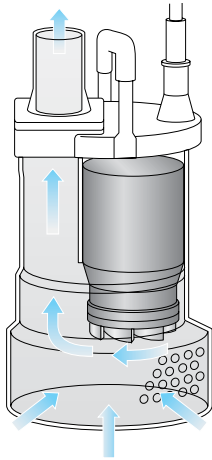


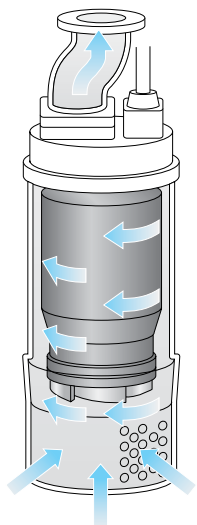
**MOTOR COOLING METHODS**



**SIDE CHANNEL DESIGN**

Cast as an integral part of the motor casing, the side discharge channel allows water to cool the motor as it flows past the inner motor casing. This design feature permits the unit to operate at low water levels for extended periods of time and allows the overall diameter of the pump to be reduced for installation in confined spaces. Even in run-dry conditions, air will be forced thru the channel thereby cooling the motor.

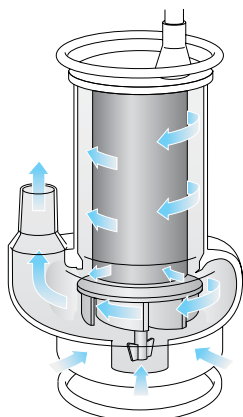
**Applies to Models:**  
NK, KTV, KTVE, KTZ, KRS (except KRS-1022)



**FLOW THRU DESIGN**

The top flow-thru design incorporates an inner and outer motor casing. Water is allowed to flow completely around the motor on its way to the top centerline discharge. This design feature permits the unit to operate at low water levels for extended periods of time and allows the overall diameter of the pump to be reduced for installation in confined spaces. Even in run-dry conditions, air will be forced through the channel thereby cooling the motor.

**Applies to Models:**  
LB, KRS-1022, LH(W), LSC, LSR



**WATER JACKET DESIGN**

This design incorporates a water jacket surrounding the motor casing. A portion of the water is allowed to flow completely around the motor on its way to the side discharge. This design feature permits the unit to operate at low water levels for extended periods of time.

**Applies to Models:**  
GPN, GSZ, BZ, BK