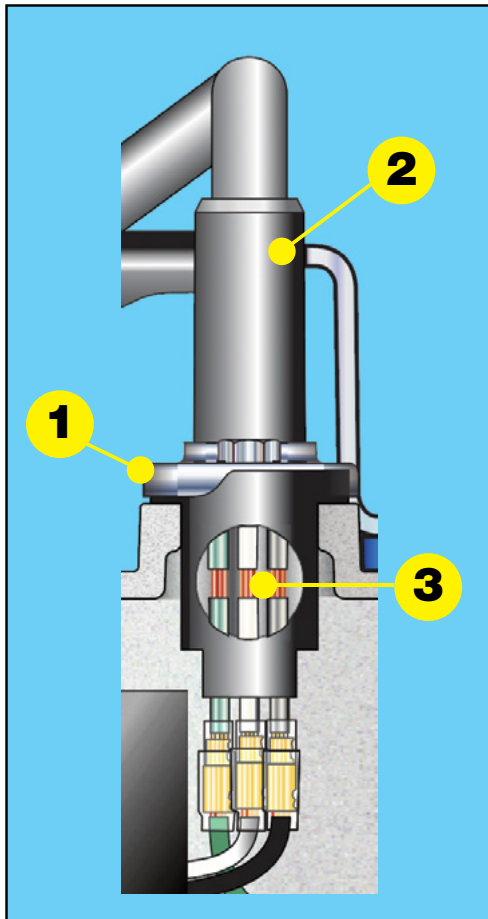


## MOLDED CABLE ENTRANCE

Tsurumi has taken into account every possible condition that the submersible pump cable entrance will be subjected to during usage. The cable entrance shown below is the product of many years of experience and practical application. Commonly offered on Tsurumi pumps up to 5 HP. This Tsurumi design feature has proven to be the most reliable cable entrance available.

**The Tsurumi design prevents the following problems that may occur during installation and operation.**

1. Kinking or cracking of the cable jacket due to turbulence in the sump.
2. Abrading of the power cable at point of entry into the pump.
3. 360° compression sealing prevents incursion of water into the top of the motor.
4. Wicking of the pumpage into the motor, should the power cable be damaged or the end be accidentally submerged prior to or during installation.
5. Quick and easy repair, utilizing in stock cables available from your local Tsurumi distributor.



**Incorporated in the Tsurumi design are the following features:**

### **1 COMPRESSION GLAND**

The limited tightening plate compresses the molded cable flange a full 360° and prevents over-tightening of the cable entrance, ensuring a water tight fit.

### **2 MOLDED CABLE BOOT**

The cable boot portion extends the bending radius of the power cable and prevents abrading or kinking of the cable at the entry point. It also reduces fatigue and extends the flex life of the cable jacket.

### **3 ANTI-WICKING BLOCK**

To prevent incursion of the pumpage into the top of the motor due to the phenomena know as "wicking", a portion of each conductor is stripped back exposing the copper conductor. The cable is placed in a mold and is molded into one piece. The molded rubber seals the end of the power cable and flows in between each strand of the conductor. This unique feature prevents "wicking", through the fiber reinforcement found in standard submersible cable, and through the strands of the conductor itself.

**NOTE:** All Tsurumi submersible pumps are provided with built in Strain Relief for the power and control cables. This is a separate feature from the cable entrance and provides protection of the cable entrance, should exceptional force be applied to the cable.