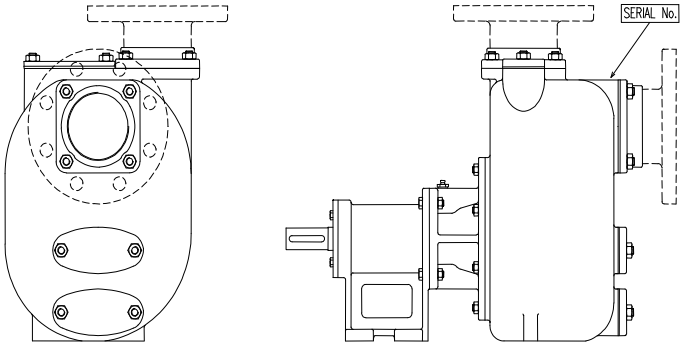
INFO FOR ATEX

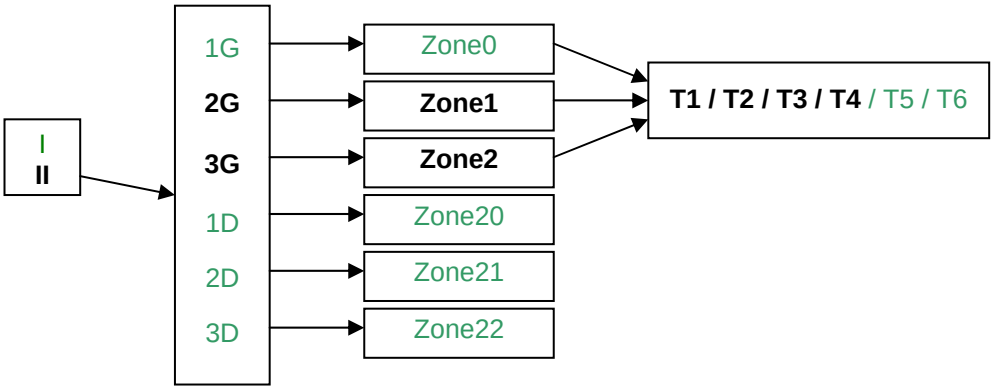


To avoid risk of explosions in an Ex-Zone, when you mount a **S** self-priming centrifugal pump you have to check the following information:

1. Ex - Zone

1.1 The **S** self-priming centrifugal pumps can be used in the zones and categories signed in bold:

Group	Category	Zone	Temperature class



2. ATEX requirements

2.1 The pump has a mechanical seal that can leak. If the pumped liquid is inflammable in the outside of the pump you have to declare a zone 1 (Category 2).

2.2 In the case of mechanical seals type .31., .38., .57. and .14. the automatic lubricator (+P, +PK, +PS) for the mechanical seal must be present and activated. The cartridge must be replaced every year.

2.3 The pump can be blocked by solids. It is therefore necessary to mount an automatic switch on the electric motor (PTC if used with inverter).

2.4 Use the pump only in the authorized performances levels indicated in performance curve, technical data sheet and instructions! The liquid should never be pumped on the limit of vaporization, crystallization, polymerization or solidification. If the pump has to be used in a different duty not indicated in the request form (for which the pump was produced), please check the compatibility and ask for authorization of use to the manufacturer!

2.5 The pump must be compatible with the pumped liquid. The pump producer is not responsible if the pump is used with not compatible liquids.

2.6 The operating temperature of the pump should not exceed the following values:

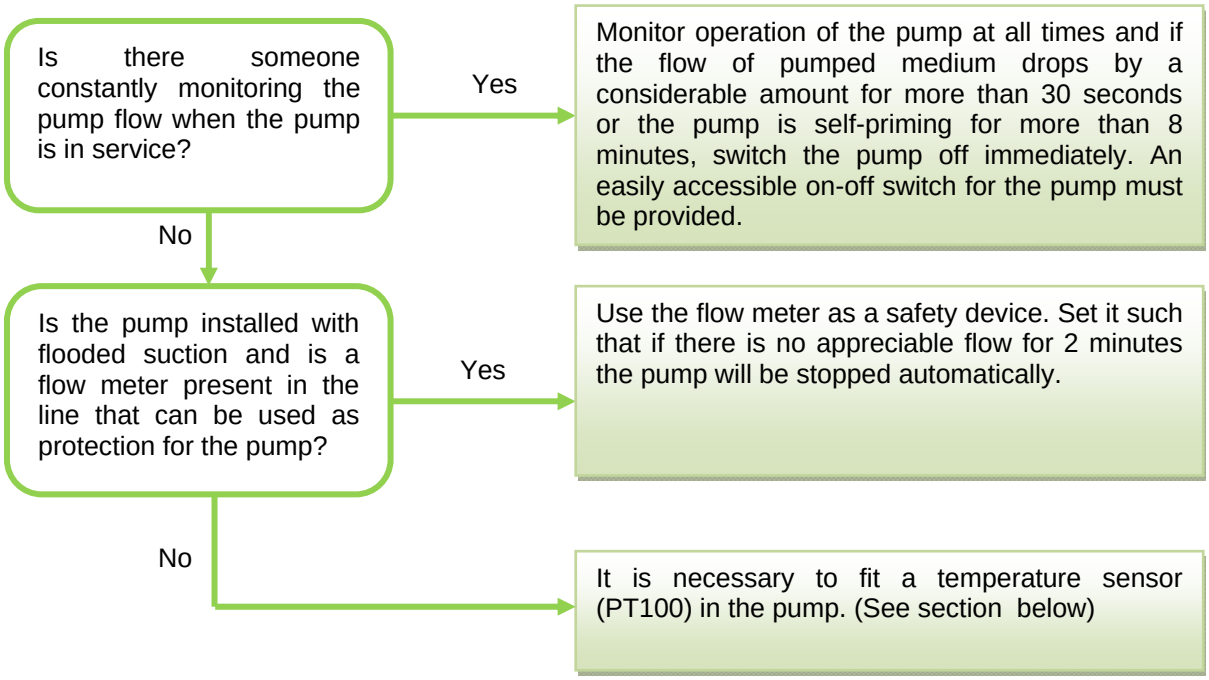
⇒ with mechanical seal type .17.., .31.., .38.., .14.., .57.., .6…: T4, T3, T2, T1 -> 90ºC

⇒ with mechanical seal type .10.., .30.., .35.., .55..: T4 -> 75°C / T3, T2, T1 -> 90°C

If a pumped medium is capable of reaching this temperature, it is not permitted to put the pump into service. A temperature sensor can be used for checking.

2.7 It is not permitted to start the pump with closed suction and/or discharge line. The pump owner should take the necessary safety measures to avoid this situation.

2.8 Measures such as are listed below should be taken against dry running or against blocked lines:



3. Temperature Sensor

3.1 The sensor monitors temperature changes in the pumped medium. This means that a closed pressure line or abnormal wear in the pump can be monitored by means of a temperature increase. When the limit temperature is exceeded, the sensor disconnects the power supply to the pump drive and the pump stops.

3.2 The shut off device and associated wiring are not included in the scope of supply of the pump. The pump owner is required to have this installed himself by a suitably qualified technician.

3.3 Victor Pumps provides the temperature sensor with integrated digital transmitter. The transmitter is regulated as follows:

Temperature range	OUT-Signal	Current
0-150 °C	4 - 20 mA, linear	8 - 30 VDC