

[A: SYS-SMP-08]

The motor shall have insulation class B and protection class IP68 and include integrated thermal protection switches.

2.5 Material and Environmental Requirements

[A: SYS-SMP-09]

The system shall be constructed from corrosion-resistant materials suitable for grey water.

The system shall include coated hydraulic components for corrosion protection.

[A: SYS-SMP-10]

The system shall support operation in abrasive fluids when configured as variant B/BH.

2.6 Interface Requirements

[A: SYS-SMP-11]

The system shall provide a discharge connection suitable for vertical piping integration and electrical interfaces compatible with standard industrial power systems.

3. Legal and Contractual Requirements

3.1 Compliance with Regulations

[A: SYS-SMP-12]

The Supplier shall ensure that the submersible motor pump and all associated components comply with all applicable local, national, and international laws, regulations, and standards in force at the time of delivery.

[A: SYS-SMP-13]

The equipment shall meet all relevant directives related to electrical safety, environmental protection, and mechanical integrity (e.g., CE marking where applicable).

[A: SYS-SMP-14]

Compliance with relevant standards such as DIN, ISO, and IEC is mandatory.

3.2 Warranty Obligations

[A: SYS-SMP-15]

The Contractor shall provide a minimum warranty of:

- 24 months from commissioning or
- 30 months from delivery (whichever occurs first)

During the warranty period:

- All defects shall be corrected at no cost
- Response time for critical failures shall not exceed 48 hours

Spare parts availability shall be guaranteed for a minimum of 10 years.

3.3 Health, Safety, and Environmental (HSE) Requirements

[A: SYS-SMP-16]

The Contractor shall comply with all occupational safety regulations.

The equipment must ensure safe operation under submerged conditions. Hazardous substances shall be avoided or declared in accordance with EU regulations.

4 Technical Requirements

ID	Parameter	Requirement / Specification
[A: SYS-SMP-18]	Pump Type	Submersible centrifugal pump
[A: SYS-SMP-19]	Rated Flow (Q)	50 m ³ /h
[A: SYS-SMP-20]	Motor Type	Submersible, squirrel cage induction motor