DN 65 Suction Strainer with Check Valve



The **suction strainer with check valve** is designed to be installed on a motor pump's suction line and to allow water to be drawn from an open source. Placed at the end of the suction line, it helps protect the pump and hydraulic equipment by limiting the entry of foreign objects present in the water.

Intended primarily for **firefighting** applications, this strainer can be used to draw water from a pond, cistern, reservoir, or natural water source. To accommodate different suction line diameters, it is available with **4 outlet sizes: STORZ B/75, STORZ C/52, STORZ A/110, and DN125**.

What is the purpose of a suction strainer for a motor pump?

When a motor pump draws water from an open source, various elements present in the environment can be sucked into the pipe. The **suction strainer** serves as the first line of defense for the system.

Installed at the inlet of the suction hose, it helps **prevent debris, vegetation, and other foreign objects from entering** the pipeline. It thus helps protect the motor pump, hoses, and connected equipment.

Strainer with Check Valve to Secure the Suction

This strainer is equipped with a **check valve**. In a suction system, the check valve helps maintain the water column when operating conditions require it.

The combination of a strainer and a check valve is therefore a solution particularly well-suited for **the suction lines of fire pumps** operated from an unpressurized water supply.

4 outlet options available to fit your suction line

The suction strainer is available in **four outlet configurations**. The choice should be based on the connection and diameter of the suction line used with the motor pump.

- **STORZ B/75**: STORZ Type B/75 coupling;
- **STORZ C/52**: STORZ Type C/52 coupling;

- **STORZ A/110**: STORZ Type A/110 coupling;
- **DN125**: version designed for systems requiring a DN125 outlet.

These different outlet options allow the strainer to be integrated into a variety **of suction hose and motor pump** configurations, ranging from relatively compact systems to lines requiring a larger suction diameter.

How do you choose between STORZ C/52, B/75, A/110, and DN125?

The choice of outlet must first and foremost match the **fitting on the suction line** and the hydraulic configuration of the motor pump. STORZ fittings are symmetrical fittings that allow for quick connection of compatible equipment.

It is therefore important to verify the type of connection on the line before selecting the strainer. The **STORZ C/52, B/75, and A/110** versions are not directly interchangeable with one another: each corresponds to a specific STORZ coupling size.

Water Intake from an Open Source

This **motor pump strainer** is particularly well-suited for operations requiring a water supply from an unpressurized source. In particular, it can be used for suction from:

- a pond;
- a cistern;
- a water reservoir;
- an open reservoir;
- a natural water source;
- another open source compatible with the motor pump’s operating conditions.

Protection of the motor pump and suction line

The strainer basket acts as a first barrier between the water source and the hydraulic system. It traps large particles that might be carried along with the water before they enter the **suction line**.

This function helps reduce the risk of line blockage and protects downstream equipment. The strainer is therefore an **essential component of a motor pump suction system**.

Aluminum Construction

The strainer is **constructed of aluminum**, a material particularly well-suited for hydraulic equipment requiring a balance between strength and weight.

The product data sheet for the STORZ B/75 version also indicates compliance with **DIN 14362**.

Features of the Suction Strainer with Check Valve

- **Product type:** suction strainer with check valve;
- **Application:** water suction for a motor pump;
- **Use:** Suction from an open source;

- **Function:** protection of the suction line against the entry of foreign objects;
- **Material:** aluminum;
- **Available Outlets:** STORZ B/75, STORZ C/52, STORZ A/110, and DN125;
- **Main applications:** firefighting, industrial safety, and supplying motor pumps from a water reservoir.

A strainer designed for fire pumps

During a fire response, a motor-driven pump can be used to draw water from a nearby available water source when that source is not directly under pressure. The strainer is then positioned at the submerged end of the suction line.

It provides a protected entry point for the drawn-in water and helps ensure the proper functioning of the line connecting the water source to the **fire pump**.

Professional Applications

The suction strainer with check valve meets the needs of various professional users:

- fire and emergency services;
- industrial fire safety teams;
- industrial sites equipped with motor pumps;
- facilities with fire water reservoirs or tanks;
- local governments and technical departments;
- facilities requiring water to be drawn from an open source.

The advantages of the suction strainer with check valve

- Protection of the suction line against foreign objects;
- Integrated check valve suitable for suction systems;
- For use with a fire pump;
- Suitable for suction from a pond, cistern, or water reservoir;
- Aluminum construction;
- Available in multiple diameters to adapt the strainer to the system;
- 3 STORZ connections available: B/75, C/52, and A/110;
- DN125 version also available;
- Solution suitable for fire departments and industrial facilities.

MMF, a specialist in fire pump accessories

MMF offers professionals a range of **fire motor pumps and suction accessories** designed for emergency response and fire safety systems. Available with **STORZ B/75, STORZ C/52, STORZ A/110, or DN125** outlets, this strainer with check valve allows the equipment to be adapted to the suction line connection being used.