

STORAGE of products, assemblies and units

Storage of products, assemblies and units



The procedures described in this document are valid for all Spirax Sarco products, assemblies and units. Refer to the IMI and technical datasheet of each product or each component that is part of the assembly or unit for the technical specifications and usage limits.

The buyer must:

- examine the goods on delivery.
- notify the seller and any carrier in writing of any shortage or damage within four (4) Business Days after the date of delivery and in respect of non-delivery within ten (10) Business Days after the goods would in the ordinary course of events have been received; and
- in the case of short or damaged delivery give the seller a reasonable opportunity to inspect the goods, otherwise goods shall be deemed accepted by the buyer.

If the products, assemblies and/or units cannot be installed immediately upon receipt on site, certain precautions must be taken to avoid deterioration and corrosion. From the time of delivery, the buyer is fully responsible for the storage conditions and the good condition of the products, assemblies and units. Spirax Sarco is not responsible for any deterioration, corrosion or other damage caused to the goods during transportation and storage on site. It is important to provide adequate storage conditions, considering the high costs of repair and replacement and the long possible delivery times for elements requiring long production time. The following precautions are given as a recommendation to the client, who alone decides to put them into practice, whether globally or individually.

- When receiving the goods, check that the protections are not damaged by transport. If you notice deterioration, check the absence of contamination and replace the protections if necessary. If the damage is significant, immediately notify the carrier and Spirax Sarco.
- If the products, assemblies or units are not set up immediately, take precautions to avoid corrosion or contamination. If the installation takes place more than two weeks after delivery, it is recommended to proceed as follows.
 - Dry the internal surfaces by circulating hot air through the unit.
 - Seal all openings and air inlets using blind flanges.
 - Install a pressure gauge.
 - Fill with nitrogen at a pressure of 0.5 bar.
- The methods of protecting internal surfaces during storage depend on the requirements and the budget defined by the customer. Specific protection measures are put in place at the factory, before delivery, only when provided for during the initial order.
- Before placing the skid in a storage room, remove any accumulation of dirt, water, ice or snow. If the unit has been filled with oil or other protective material, open the drain valves to remove moisture and close them tightly. The presence of moisture means that corrosion has already started and that appropriate action is required.
- Store the products, assemblies and/or units always indoors, in a heated area. The ideal environment for the storage of components and units is indoors, in a heated area, raised from the ground, in a dry, low humidity atmosphere that is water-proof to prevent the ingress of dust, rain or snow. Keep the temperature between 20 and 50 °C and the relative humidity at 40 % or less.

The ambient temperature of the place where the products, assemblies and/or units will be installed must be between 10 and 40 °C.



If products, assemblies and/or units are intended for outside installation, this needs to be specified at the price enquiry and needs to be discussed in detail with your Spirax Sarco contact. In case of outside installation special provisions must be taken: the products, assemblies and/or units must be always sheltered and protected from rain, snow and other weather influences. Insulation is mandatory, heat tracing is strongly recommended if the installation may be shut down during winter.

- In regions with a tropical climate, it may be necessary to use renewable desiccant trays, such as silica gel or dehumidifiers to remove moisture from the air in the storage area. Portable thermostat heaters (with outside air supply) may be required to maintain the temperature in the storage area.
- During the storage period, frequently inspect the skid and its accessories.
- If there is deterioration in the paint due to discoloration or slight corrosion, plan to retouch or repaint. Units covered with a special paint (when specified on the client's order form), may require special means of retouch or repair. Consult Spirax Sarco for specific information. Never allow corrosion on painted steel units to progress to the point of compromising their mechanical strength.