ASEPTCONN AG

How to Choose the Right Replacement Hose



About us

Aseptconn is a leading supplier of components, products, software, and systems for sterile liquid technology, primarily in the pharmaceutical and biopharmaceutical sectors. With innovative products and expert advice, Aseptconn helps sustainably improve its clients' processes. Its extensive portfolio and diverse services make it the preferred supplier for many renowned international pharmaceutical companies.

Description of Replacement Assistance

Replacing an original hydraulic hose may seem complex, but at ASEPTCONN AG, we are here to support you every step of the way. This practical and professional guide will help you choose the hose best suited to your requirements, with ease.
It is essential to analyze and adhere to your company's production parameters and standards. It is also crucial to consider the specific requirements of the intended use: cleanroom manufacturing, type of packaging, or desired sterilization method, depending on material compatibility.

www.aseptconn.ch
+41 52 725 10 10
info@aseptconn.ch

Choice of Replacement Hose

Check list :

N°	Information to Consider	Check
1	**Measure the exact dimensions of your hose** Action: Measure the total length of your current hose. For the inner diameter, check the label or use a caliper. Importance: The correct inner diameter is essential to ensure optimal operation, minimize pressure losses, and fit the connectors at the ends.	
2	**Evaluate the Operating Temperature** Action: Ensure the hose can withstand the maximum and minimum temperatures of the fluids it will carry. Importance: Temperature resistance is crucial to ensure the durability and safety of your hydraulic system.	
3	**Identify the Specific Application** Action: Determine the hose's usage context. Will it be subject to movement or vibrations? Importance: Hoses offer greater flexibility than rigid pipes, making them suitable for applications requiring mobility and adaptability.	
4	**Ensure Compatibility Between Fluid and Material** Action: Verify that the hose, its fittings, and O-rings are compatible with the transported fluid (oils, gases, chemicals). Importance: Proper compatibility prevents degradation issues and ensures safe operation.	

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N°	Information to Consider	Check
5	**Determine the Type of Fitting** Action: Use our simplified 3-step guide to identify the type of fitting and connector that matches your hose. **Mobil APP : Aseptconn AG** Importance: Choosing the right fittings ensures a secure and efficient connection.	
6	**Monitor the Operating Pressure** Action: Ensure that the pressure in your system does not exceed the maximum values indicated for each hose. Importance: Adhering to pressure limits is essential to avoid failures and ensure safety.	
7	**Evaluate the Flow Rate** Action: Consider the flow rate, especially if modifications are made to your hydraulic circuit. Importance: The correct flow rate is necessary to maintain the efficiency of your system. If you have any doubts, feel free to contact us.	
8	**Certification Requirements (FDA, USP CLVI, etc.)** Action: Inform yourself about the necessary certification requirements for the material according to your company's internal standards (criticality of use, product contact, usage area, etc.). Importance: A suitable material reduces the risk of chemical contamination and incompatibility with the media.	
9	**Particulate Cleanliness Requirements (Cleanroom Manufacturing and Double Packaging)** Action: Learn about the usage environment (cleanroom or not). Based on this, you will know if the hose needs to be double-packaged. Importance: A suitable hose (manufacturing and packaging) helps reduce particulate contamination in cleanrooms.	