High pressure hygienic hose
for the food industry.

for the life of your plant…

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HYGIENIC HIGH PRESSURE HOSE

Our HOSE is specifically designed for the delivery of high pressure fluid or slurry from the feed to the Spray Boom, using only materials that conform to FDA Title 21 or are GRAS. Constructed using a smooth bore PTFE lining with reinforced bunch braided stainless steel for strength and durability, finished with a white silicone outer sheath, we have managed to produce a hose that is both hygienic and built to last.

NOTEWORTHY FEATURES…

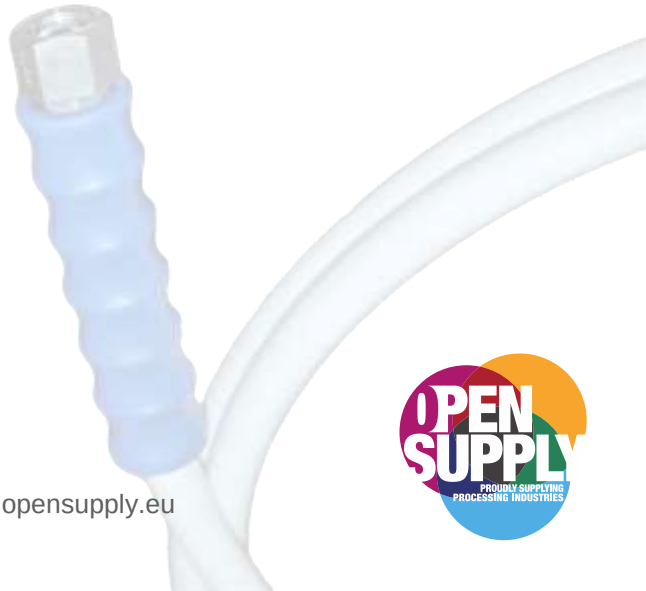
430bar WORKING PRESSURE. The smooth PTFE bore reinforced bunch braided hose will support a working pressure of 430bar.

1750bar BURST PRESSURE. Our large safety factor on high pressure products supports a burst pressure of 1750bar, meaning if there is a spike in the system, it won't be us who lets you down.

HYGIENIC. Silicone Outer Skin, Stainless Steel fittings and PTFE lined to ensure our HOSE is fit for purpose.

PVC KINK RESISTANT CUFFS. Specifically designed kink resistant cuffs manufactured from PVC to resist heat, profiled to aid grip and easy to clean.

80mm BEND RADIUS. Our HOSE has a minimum bend radius of 80mm making it one of the most flexible hoses of its type.



MAINTENANCE AND INSPECTION

Spray drying facilities operate their plant and equipment for prolonged periods of time, in some cases around the clock. At continuous high pressure and temperature, some of the equipment in the process can require more frequent replacement to ensure the safety of the operators and efficient running of the production line. This could not be more true for the high pressure hose used for feeding the product into the dryer.

Over time, the high pressures, high temperature, rigorous handling and chemical attack from the feed material can degrade your hose lines to beyond their safe working condition. Predicting when it is time to replace the hose lines however is determined by many factors which are unique to each facility and their working practices.

WHAT TO LOOK FOR

1. Splits or cracks in the outer sleeve of the hose
2. Bulges in the hose
3. Stretched sections of the hose
4. Kinks or folds
5. Damaged threads on the fittings
6. Damage to the housing of the fittings
7. Loss of flexibility

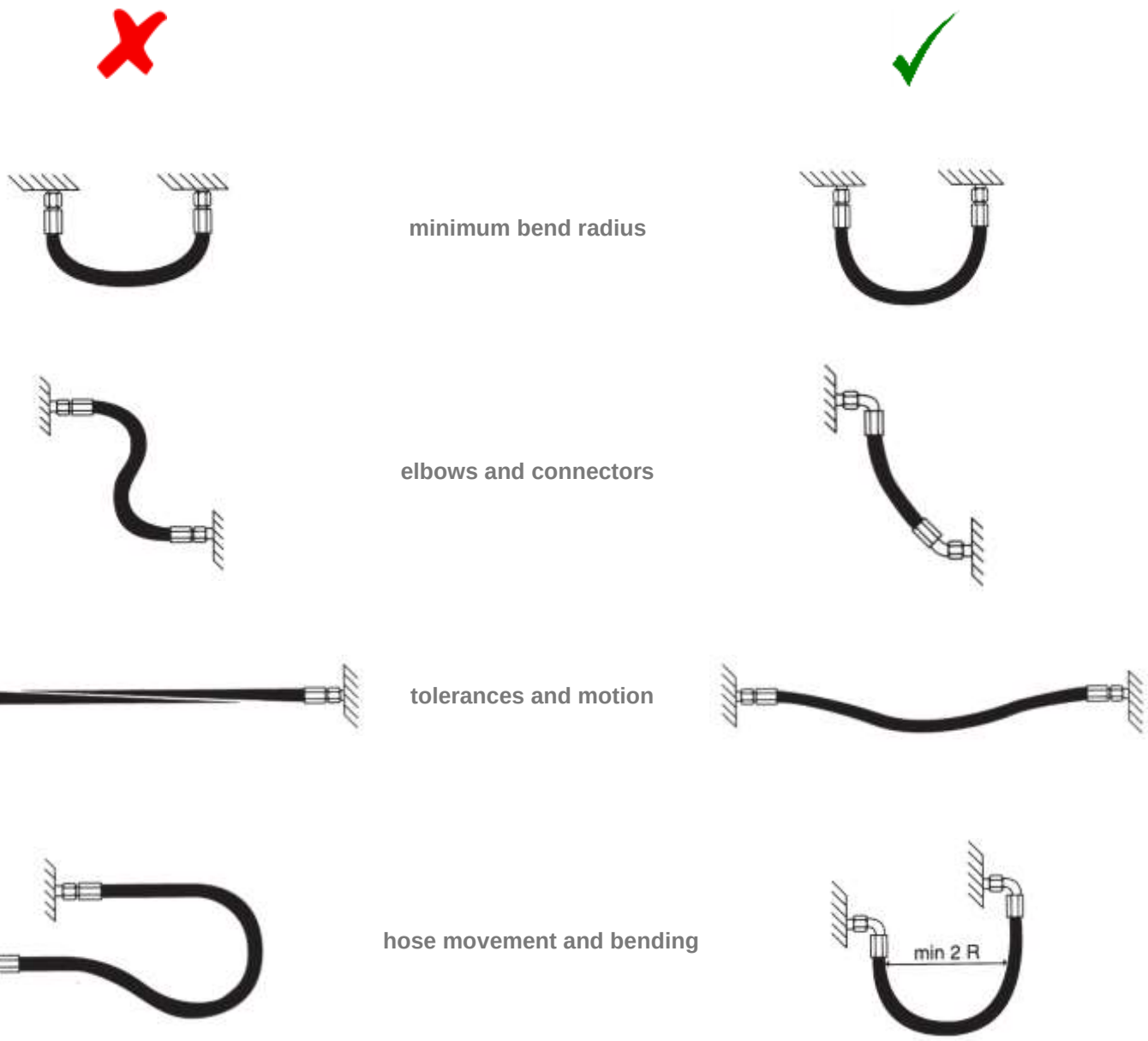
HOW TO PROLONG THE LIFE OF YOUR HOSE

1. Do not exceed the hose working pressure
2. Avoid standing on or crushing the hose
3. Keep out of sunlight
4. Store the hose coiled to a large bend radius
5. Do not rest the hose, or position in close proximity of hot machinery

INSTALLATION GUIDE

1. Under pressure, alterations of -4% to +2% can occur in the length of the hose assemblies.
   The hose should therefore be installed with slack or curves.
2. Hose assemblies should never be installed twisted (no torsion).
3. Hose assemblies should no be bent excessively - use elbow fittings instead!
4. Our HOSE has a minimum bend radius of **80mm** - keep above this value at all times!
5. If vertical displacement occurs, allow for amount of travel.
6. Protect from external damage.

INSTALLATION EXAMPLES



Ordering a hose from us is simple. We need to know the length and the connection size/type. Whether ordering a replacement or from spec, simply tell us what you want to connect to and the distance you need the hose to cover.

ORDERING A REPLACEMENT

You can either send us your existing hose and we will match it, or simply measure the length from end to end (of the fittings), specify either straight or elbowed fittings and tell us the size of the connection - for example M24 or 16S etc.

If you do not know what size or spec your fittings are, we can decipher this information by knowing the markings written on the hexagon nut much like the images opposite.

ORDERING FROM SPEC

There are a few things to consider when specifying a hose. Firstly, the connection size and profile of your feed end and supply end. Then, you will need to measure the distance from the feed to supply connections. It is important to remember the hose must not be stretched or under stress, so you will need to make allowances for the hose to be rested on a platform and so that the minimum bend radius at either end is achieved. The installation examples on page 5 should be taken into consideration when specifying straight or elbowed connections.

AFTER SALES SERVICE

On many hose fittings there is a O Ring seal, without which, the hose would leak. O Ring seals, regardless of material, have a life expectancy which can be reduced dramatically depending on how the O Rings are treated and how harsh an environment they are subjected to.

Replacement of these O Ring seals on a regular basis are vital for the proper operation of the hose and above all the health and safety of the operators.

OpenSupply offers after sales seal kits specifically tailored to each of its hoses. From small kits containing 15 seals per fitting, or large kits with 100 seals for fitting, we can fully support the operational life span of its products.

Contact the office with your enquiry today!
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