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1. General

These operating instructions refer exclusively to hose lines which are delivered by IBK Wieseahn GmbH. Non-observance of the operating instructions or inappropriate handling lead to the voiding of our guarantee.

2. Storage

The storage of hose lines must be implemented so that any damage or impairment to the hose line is excluded.

All

- ❶ Hoses are to be stored dry and cool. Furthermore, it is to be ensured that both hose ends are provided with dust caps to avoid internal dirt accumulation and corrosion
- ❷ No direct solar or UV irradiation
- ❸ Stressing & bending action of the hose line must be avoided. In the ideal case, store horizontally and in stretched-out length
- ❹ Hoses may not come in contact with materials which cause any impairment to the hose properties
- ❺ If hoses are stored in rolls, the smallest bending radius indicated by the manufacturer may not be undershot
- ❻ In case of storage in the open air, hoses must be kept protected against the weather
- ❼ Hose lines of rubber and plastic are particularly limited in their utilisation duration, also in case of professional storage. Therefore it is important to consider the points indicated and in this way to counteract any change to the properties

3. Installation

With the installation, it is to be ensured that the admissible intended purpose of the hoses is guaranteed and that there is no shortening of the utilisation duration as a result of additional stressing. In this case, the following points should be noted:

- ❶ The installation of the hose lines may be carried out only by enabled specialist personnel and with suitable tools
- ❷ The installation notes of the manufacturer must be considered
- ❸ The accessibility of the hose line must be guaranteed and no hindrance may be caused by the hose line during operation or in the pressure-free status
- ❹ Permanent sealing is to be ensured
- ❺ The hose line must be installed so that the hose cover is protected against abrasion. If a danger of abrasion should occur, an abrasion protection outside of the hose cover is recommended
- ❻ If there should be a longer storage of the hose line, a sealing test and/or pressure test prior to installation are recommended as mandatory
- ❼ The installation of the hose line is to be carried out so that direct kinking behind the hose connections is prevented
- ❼ In case of hose lines in an Ex-zone, it is to be ensured that spark-free tools are used, in order to avoid an explosion danger



4. Operational start-up

- ⊗ Packaging and dust caps are to be removed before first use
- ⊗ Sealing surfaces and screw threads of hose connections may not be damaged. The same applies for external damage to the hose line itself
- ⊗ The hose line may not be put into operation with identifiable cases of damage

5. Use / Operation

- ⊗ The hose line may be operated only with the operating data designated in the Declaration of Conformity and in the order
- ⊗ If operating parameters should be changed, all necessary tests which ensure that the hose line is suitable for the demands made are to be implemented
- ⊗ The max. admissible operating pressure may not be exceeded
The same applies for the max. admissible operating temperature
- ⊗ The smallest bending radius indicated by the manufacturer may not be fallen below
- ⊗ The hose core must be resistant against the medium conveyed
- ⊗ In the case of abrasive media, the wear of the hose core must be checked
- ⊗ If it steam or hot water should be involved in case of the medium, an increased danger of burn injuries exists. Therefore a contact protection is recommended
- ⊗ For employment in an Ex-zone or when using inflammable liquids, gases and other dangerous media, special requirements such as e.g. conductivity, grounding, etc. must be met. These measures are to be checked
- ⊗ No bending action, torsion, tensile loading and strain may occur with stressing the hose line

5. Maintenance, inspection & upkeep

- ⊗ The legally prescribed maintenance and inspection notice periods according to national laws are to be complied with, as well as operating ordinances related to regularly recurring tests
- ⊗ It is to be ensured by the operator that the functional capability and safety of the hose line is guaranteed at all times
- ⊗ The maintenance and inspection must be implemented by persons trained in the operation
- ⊗ In case of an inspection the following points (among others) are to be checked:
 - Damage to the hose outer cover up to the pressure unit, such as e.g. cracks, holes, abrasion points, etc.
 - Deformations of the hose line that do not correspond to the natural shape. Both during operation and in the pressure-free status
 - Possible damage to both hose connections which (among other things) impairs the sealing. Also included here is a check on the secure seating of the hose fitting
 - In general, the hose line is to be checked for leakage points
 - Were all necessary requirements met during installation?
- ⊗ If one or more of the above-designated points should apply, it is to be checked whether an overhaul is possible. If an overhaul is no longer possible, a renewal of the hose line is recommended.
- ⊗ The maintenance interval and the time of the renewal or replacement of a hose line is the responsibility of the operator