

Standard	Specification	December 2022					
	Technical delivery conditions Corrugated metal hose lines	MN 20007-1.1					
Printed documents are not subject to the change service.							
Unless other requirements have been agreed in individual cases, the following technical delivery conditions shall apply:							
1 Design and manufacture							
The corrugated metal hose lines are designed and manufactured in accordance with DIN EN ISO 10380. Unless otherwise specified, corrugated metal hose lines up to DN 100 are designed for PN 16 and those from DN 125 for PN 6. It is assumed that the pressure of the medium is static and that the hose line does not move during operation. The length tolerances for corrugated metal hose lines are up to a hose line length of 1000 mm +15/ -10 mm and from a length over 1000 mm +3/-1 %. The following is not provided: abrasion or kink protection, restraint system against whipping, shielding against escaping fluid, heat contact protection or thermal insulation, sound insulation, liner to reduce pressure loss. Dynamic pressure load, dynamic bending, torsion during installation and/or operation, and vibrations can lead to a shortening of the service life. Also see www.metzger-fluid.de, Downloads, Information.							
2 Medium							
If no other information is available, the design is based on the assumption that the medium is a fluid from fluid group 2 in a liquid state of aggregation. See Pressure Equipment Directive 2014/68/EU Article 4 para. 1, lit. c point ii.							
3 Pressure and temperature							
If we do not have any information from the customer on the operating pressure and/or operating temperature (medium and/or component), we assume that the customer has designed the pressure equipment itself in accordance with the Pressure Equipment Directive 2014/68/EU. If there is no information available about the ambient conditions, we assume 20°C and 1 bar absolute. When determining the maximum permissible pressure PS, the temperature dependence of the maximum permissible operating pressures for the components of the hose line must be taken into account. If the components of the corrugated metal hose line have different maximum permissible operating pressures, the lowest permissible operating pressure applies to the hose line in each case.							
4 Bend radius							
When using corrugated metal hose lines, please note that different minimum bend radii apply for one-time bending and for dynamic bending, which must not be undercut. Technical data can be requested from us.							
5 Material							
If we do not have any information from the customer about the media and the operating conditions, we assume that the customer has checked and determined the suitability of the materials of the pressure equipment (corrugated metal hose line) itself. The customer must check the suitability and selection of the materials of all individual parts of a hose line. Resistance to line media in all operating conditions and to external influences must be taken into account. If surface corrosion (flash rust) in the area of the weld seam must be excluded, the material 1.4301 is generally not recommended.							
6 Documentation							
The prescribed pressure tests are carried out during production and documented in our company so that a pressure test certificate can be issued subsequently if necessary. Material certificates, pressure test certificates and other documents are not automatically issued. Such certificates and documents are only issued and supplied against charge, if expressly ordered.							
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