

Technical Specification FlexxSys® SingleFlexx

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| Product details | One Stainless steel pipe parallel corrugated is insulated with a high flexible, temperature and UV-restistance HT/Insulation EPDM tube. The tube is coated with a black plane foil. Alternative we offer this tube without foil coating. Line system for the connection of the Solar collectors and heat storage tank or for other applications. |
| Application range | Max. Mediumtemperature: + 150°C (+175°C) Min. Mediumtemperature: -50°C |
| Technical description | Available in Dimension DN16 and DN20, Insulation existing out of EPDM with plane foil coating or without foil coating, available in 13 mm insulation layer thickness, both versions (with and without foil) are UV-resistance |
| Thermal conductivity λ | at a middle temperature from 0°C $\lambda = 0,038 \text{ W/(mK)}$ at a middle temperature from 40°C $\lambda = 0,042 \text{ W/(mK)}$ |
| Water vapor diffusion- restistancenumber μ | ≥ 4000 (DIN EN 13469) |
| Fire-Behavior - Material category | normal inflammable (DIN 4102-B2) |
| Practical fire behavior | self-extinguishing, does not lead fire |
| Material Corrugated Stainless Steel Pipe | Stainless austenitic Steelalloying according EN 10088-2: X2CrNiMo17122 according DIN 17441: 1.4404 (AISI 316L) Temperature: -270°C till max. 600°C |

