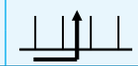
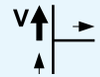
## Pressure loss in Sanipex MT system components (Water 10°C)

+GF+

| Art. No. | Terms | | Symbol | DN/d | ς-Value | Equivalent pipe length in metres | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1 LU | 2 LU | 3 LU | 4 LU | 8 LU | 30 LU | 60 LU | ← Volume flow accord. W3 Diagr. 1 / gr. LU = 4 | | | | | |
| | | | | | | 0.1 l/s | 0.2 l/s | 0.3 l/s | 0.4 l/s | 0.5 l/s | 0.8 l/s | 1.0 l/s | 1.5 l/s | 2.0 l/s | 2.5 l/s | 3.0 l/s | 3.5 l/s | 4.0 l/s |
| 4630<br>4632 | Sanipex MT Box simple 90° | | | 1/2"-d16 | 1.3 | 0.45 | 0.50 | 0.55 | 0.60 | – | – | – | – | – | – | – | – | – |
| | | | | 1/2"-d20 | 1.3 | 0.55 | 0.65 | 0.75 | 0.80 | 0.85 | – | – | – | – | – | – | – | – |
| | | | | 3/4"-d20 | 1.6 | 0.65 | 0.80 | 0.85 | 0.95 | 1.00 | – | – | – | – | – | – | – | – |
| 4634 | Sanipex MT Box 2-way 90° | Outflow | | 1/2"-d16-d16 | 4.0 | 1.40 | 1.65 | 1.85 | 2.00 | – | – | – | – | – | – | – | – | – |
| | | | | 1/2"-d20-d16 | 3.2 | 1.10 | 1.35 | 1.50 | 1.60 | 1.70 | – | – | – | – | – | – | – | – |
| | | Flow rate | | 1/2"-d16-d16 | 1.5 | 0.55 | 0.65 | 0.70 | 0.75 | – | – | – | – | – | – | – | – | – |
| | | | | 1/2"-d20-d16 | 0.7 | 0.25 | 0.30 | 0.30 | 0.35 | 0.35 | – | – | – | – | – | – | – | – |
| 4610 | Fitting connection simple | | | 1/2"-d16-35 mm | 3.0 | 1.05 | 1.25 | 1.35 | 1.45 | – | – | – | – | – | – | – | – | – |
| | | | | 1/2"-d20-35 mm | 3.3 | 1.40 | 1.65 | 1.80 | 1.95 | 2.10 | – | – | – | – | – | – | – | – |
| | | | | 1/2"-d20-50 mm | 2.1 | 0.90 | 1.05 | 1.15 | 1.25 | 1.30 | – | – | – | – | – | – | – | – |
| | | | | 3/4"-d26-50 mm | 1.7 | 0.90 | 1.05 | 1.15 | 1.25 | 1.35 | | – | – | – | – | – | – | – |
| 4611 | Fitting connection double | Outflow | | 1/2"-d16-d16-50 mm | 2.7 | 1.00 | 1.10 | 1.25 | 1.35 | – | – | – | – | – | – | – | – | – |
| | | Flow rate | | 1/2"-d16-d16-50 mm | 2.1 | 0.75 | 0.85 | 0.95 | 1.05 | – | – | – | – | – | – | – | – | – |
| 4640<br>4645 | Manifold incl. junction | Outflow |  | 3/4"-d16 | 1.0 | 0.35 | 0.40 | 0.45 | 0.50 | – | – | – | – | – | – | – | – | – |
| | | | | 3/4"-d20 | 0.8 | 0.35 | 0.40 | 0.45 | 0.50 | – | – | – | – | – | – | – | – | – |
| | | Flow rate | | 3/4" | 0.5 | – | – | 0.35 | 0.35 | 0.40 | 0.45 | – | – | – | – | – | – | – |
| 4670<br>4671<br>4672 | Elbow 90° | | | d16 | 2.1 | 0.75 | 0.85 | 0.95 | 1.05 | – | – | – | – | – | – | – | – | – |
| | | | | d20 | 1.9 | 0.85 | 1.00 | 1.10 | 1.15 | 1.25 | – | – | – | – | – | – | – | – |
| | | | | d26 | 1.8 | – | – | – | 1.35 | 1.45 | 1.60 | – | – | – | – | – | – | – |
| | | | | d32 | 1.7 | – | – | – | – | – | 1.85 | 1.95 | 2.15 | 2.30 | – | – | – | – |
| | | | | d40 | 1.6 | – | – | – | – | – | 2.10 | 2.20 | 2.45 | 2.65 | 2.80 | – | – | – |
| | | | | d50 | 0.8 | – | – | – | – | – | – | – | 1.55 | 1.70 | 1.80 | 1.90 | – | – |
| | | | | d63 | 0.9 | – | – | – | – | – | – | – | – | 2.25 | 2.40 | 2.50 | 2.60 | 2.70 |
| 4676 | Elbow 45° | | | d20 | 0.7 | 0.30 | 0.35 | 0.40 | 0.45 | 0.45 | – | – | – | – | – | – | – | – |
| | | | | d26 | 0.6 | – | – | – | 0.45 | 0.50 | 0.55 | – | – | – | – | – | – | – |
| | | | | d32 | 0.6 | – | – | – | – | – | 0.60 | 0.65 | 0.75 | 0.80 | – | – | – | – |
| | | | | d40 | 0.6 | – | – | – | – | – | 0.75 | 0.80 | 0.85 | 0.95 | 1.00 | – | – | – |
| | | | | d50 | 0.4 | – | – | – | – | – | – | – | 0.85 | 0.90 | 0.95 | 1.00 | – | – |
| | | | | d63 | 0.5 | – | – | – | – | – | – | – | – | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 |

## Pressure loss in Sanipex MT system components (Water 10°C)

+GF+

| Art. No. | Terms | Symbol | DN/d | ç-Value | Equivalent pipe length in metres | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 LU | 2 LU | 3 LU | 4 LU | 8 LU | 30 LU | 60 LU | ←Volume flow accord. W3 Diagr. 1 / gr. LU = 4 | | | | | |
| | | | | | 0.1 l/s | 0.2 l/s | 0.3 l/s | 0.4 l/s | 0.5 l/s | 0.8 l/s | 1.0 l/s | 1.5 l/s | 2.0 l/s | 2.5 l/s | 3.0 l/s | 3.5 l/s | 4.0 l/s |
| 4607 | Pipe bend 90° with (Hand) bending template | | d16 | 0.2 | 0.05 | 0.05 | 0.05 | 0.10 | – | – | – | – | – | – | – | – | – |
| | | | d20 | 0.3 | 0.15 | 0.15 | 0.20 | 0.20 | 0.20 | – | – | – | – | – | – | – | – |
| | | | d26 | 0.3 | – | – | – | 0.25 | 0.25 | 0.30 | 0.30 | – | – | – | – | – | – |
| | | | d32 | 0.4 | – | – | – | – | – | 0.40 | 0.40 | 0.45 | 0.50 | – | – | – | – |
| | | | d40 | 0.4 | – | – | – | – | – | 0.50 | 0.50 | 0.60 | 0.60 | 0.65 | – | – | – |
| | Pipe bend 90° | | d50 | 0.6 | – | – | – | – | – | – | – | 1.10 | 1.15 | 1.25 | 1.30 | – | – |
| | | | d63 | 0.5 | – | – | – | – | – | – | – | – | 1.05 | 1.10 | 1.15 | 1.20 | 1.25 |
| 4608 | Pipe bend 45° with (Hand) bending template | | d16 | 0.1 | 0.05 | 0.05 | 0.05 | 0.05 | – | – | – | – | – | – | – | – | – |
| | | | d20 | 0.2 | 0.10 | 0.10 | 0.15 | 0.15 | 0.15 | – | – | – | – | – | – | – | – |
| | | | d26 | 0.2 | – | – | – | 0.15 | 0.15 | 0.15 | 0.15 | – | – | – | – | – | – |
| | | | d32 | 0.3 | – | – | – | – | – | 0.25 | 0.30 | 0.30 | 0.35 | – | – | – | – |
| | | | d40 | 0.3 | – | – | – | – | – | 0.35 | 0.35 | 0.40 | 0.40 | 0.45 | – | – | – |
| | Pipe bend 45° | | d50 | 0.5 | – | – | – | – | – | – | – | 0.90 | 0.95 | 1.00 | 1.05 | – | – |
| | | | d63 | 0.4 | – | – | – | – | – | – | – | – | 0.85 | 0.90 | 0.95 | 1.00 | 1.05 |
| 4650<br>4652<br>4654<br>4655 | T-Pieces) |  | d16 | 0.5 | 0.15 | 0.20 | 0.20 | 0.25 | – | – | – | – | – | – | – | – | – |
| | | | d20 | 0.5 | 0.20 | 0.25 | 0.25 | 0.30 | 0.30 | – | – | – | – | – | – | – | – |
| | | | d26 | 0.3 | – | – | – | 0.20 | 0.20 | 0.25 | 0.25 | – | – | – | – | – | – |
| | | | d32 | 0.2 | – | – | – | – | – | 0.25 | 0.25 | 0.30 | 0.30 | – | – | – | – |
| | | | d40 | 0.3 | – | – | – | – | – | 0.40 | 0.45 | 0.50 | 0.50 | 0.55 | – | – | – |
| | | | d50 | 0.2 | – | – | – | – | – | – | – | 0.40 | 0.45 | 0.45 | 0.45 | – | – |
| | | | d63 | 0.3 | – | – | – | – | – | – | – | – | 0.65 | 0.70 | 0.75 | 0.75 | 0.80 |
| 4650<br>4652<br>4654<br>4655 | T-Pieces | | d16 | 2.4 | 0.80 | 1.00 | 1.10 | 1.15 | – | – | – | – | – | – | – | – | – |
| | | | d20 | 2.1 | 0.90 | 1.05 | 1.20 | 1.25 | 1.35 | – | – | – | – | – | – | – | – |
| | | | d26 | 1.9 | – | – | – | 1.40 | 1.50 | 1.70 | 1.80 | – | – | – | – | – | – |
| | | | d32 | 1.8 | – | – | – | – | – | 1.95 | 2.05 | 2.30 | 2.45 | – | – | – | – |
| | | | d40 | 1.7 | – | – | – | – | – | 2.25 | 2.40 | 2.65 | 2.85 | 3.00 | – | – | – |
| | | | d50 | 1.2 | – | – | – | – | – | – | – | 2.20 | 2.35 | 2.45 | 2.60 | – | – |
| | | | d63 | 1.2 | – | – | – | – | – | – | – | – | 2.90 | 3.05 | 3.20 | 3.35 | 3.45 |
| 4690 | Coupling |  | d16 | 0.3 | 0.10 | 0.10 | 0.10 | 0.15 | – | – | – | – | – | – | – | – | – |
| | | | d20 | 0.3 | 0.15 | 0.15 | 0.20 | 0.20 | 0.20 | – | – | – | – | – | – | – | – |
| | | | d26 | 0.4 | – | – | – | 0.30 | 0.30 | 0.35 | 0.40 | – | – | – | – | – | – |
| | | | d32 | 0.5 | – | – | – | – | – | 0.50 | 0.50 | 0.55 | 0.60 | – | – | – | – |
| | | | d40 | 0.5 | – | – | – | – | – | 0.65 | 0.70 | 0.75 | 0.80 | 0.85 | – | – | – |
| | | | d50 | 1.2 | – | – | – | – | – | – | – | 2.15 | 2.30 | 2.45 | 2.55 | – | – |
| | | | d63 | 1.2 | – | – | – | – | – | – | – | – | 2.80 | 2.95 | 3.10 | 3.20 | 3.35 |
| 4730 | Reduction |  | d20 | 0.2 | 0.05 | 0.10 | 0.10 | 0.10 | 0.10 | – | – | – | – | – | – | – | – |
| | | | d26 | 0.2 | – | – | – | 0.10 | 0.15 | 0.15 | 0.15 | – | – | – | – | – | – |
| | | | d32 | 0.1 | – | – | – | – | – | 0.15 | 0.15 | 0.20 | 0.20 | – | – | – | – |
| | | | d40 | 0.2 | – | – | – | – | – | 0.25 | 0.25 | 0.30 | 0.30 | 0.35 | – | – | – |
| | | | d50 | 0.4 | – | – | – | – | – | – | – | 0.75 | 0.80 | 0.80 | 0.85 | – | – |
| | | | d63 | 0.5 | – | – | – | – | – | – | – | – | 1.20 | 1.25 | 1.30 | 1.35 | 1.40 |