

Flange Type Metal Flexible Hose

SF7800

Prevention for damage of pipe and equipment by ground sinking, earthquake, etc. Making pipe alignment. Connection with machine and pipe.



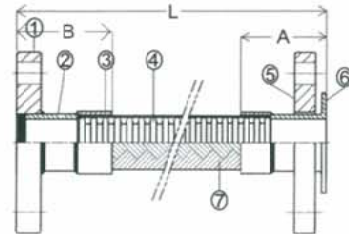
Feature

One end fixed and the other loose flange high pressure type for more than 0.98MPa (10kgf/cm²). Besides, it can be matched to high pressure inserting steel ring to the waist of tube.
Material: SUS304, 316

Applications

Connection of tank (oil, water, chemicals, etc.). Connection of plant piping.
Connection of water piping.

Structure



| No. | Parts | Material |
|-----|---------------|--------------|
| ① | Fixed Flange | SS400,SUS304 |
| ② | Short Pipe | SS400,SUS304 |
| ③ | Collar | SUS304 |
| ④ | Flexible Tube | SUS304 |
| ⑤ | Loosed Flange | SS400,SUS304 |
| ⑥ | Lap Joint | CS,SUS304 |
| ⑦ | Wire Braid | SUS304 |

Dimensions and Allowable Movements

| Nominal Diameter | | Length (L) [mm] | Effective Cross Section Area (cm ²) | | | Ineffective Length A+b [mm] |
|------------------|--------|--------------------|---|-------|-------|--------------------------------|
| [mm] | [inch] | | 300mm | 400mm | 500mm | |
| 25 | 1 | 200 | 29 | 78 | 147 | 145 |
| 32 | 1-1/4 | 250 | 19 | 56 | 111 | 159 |
| 40 | 1-1/2 | 250 | 15 | 49 | 101 | 175 |
| 50 | 2 | 350 | 11 | 35 | 74 | 175 |
| 65 | 2-1/2 | 410 | 9 | 30 | 63 | 175 |
| 80 | 3 | 450 | 6 | 23 | 51 | 195 |
| 100 | 4 | 560 | 4 | 18 | 41 | 195 |
| 125 | 5 | 660 | 4 | 15 | 35 | 195 |
| 150 | 6 | 815 | 3 | 12 | 27 | 200 |
| 200 | 8 | 1015 | 1 | 7 | 19 | 220 |
| 250 | 10 | 1220 | N/A | 6 | 16 | 220 |
| 300 | 12 | 1420 | N/A | 5 | 13 | 220 |
| 350 | 14 | 2700 | N/A | 2 | 6 | 230 |
| 400 | 16 | 3300 | N/A | 2 | 5 | 230 |

Installation Guide

Metal flexible hoses should not be bent to radius smaller than recommended in their specifications, otherwise fatigue and premature failure will occur. Avoid twisting of metal flexible hoses.



Note: The content of this catalog is subject to change without prior notice.

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WE48-1404