

# VACUFLEX® K1Z-MSC PU MHR

Flexible spiral hose with a smooth inner surface, made of polyether polyurethane

|                     |                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b> | extraction systems, extractions arms, air supply, air extraction, vehicle construction                                                                                                |
| <b>Structure</b>    | Polyether-Polyurethane, uncolored, transparent, steel wire / spring steel wire / not coated / copper plated                                                                           |
| <b>Temperature</b>  | -40°C up to 90°C, short term up to 125°C                                                                                                                                              |
| <b>Properties</b>   | medium weight, good flexibility, corrugated outside, good tensile strength ultimate elongation, hydrolysis & microbe resistant, good ozone- & UV-resistance, weather proof, rot proof |



| Inner Diameter (mm) | Outer Diameter (mm) | Wall Thickness (mm) | Bending Radius (mm) | Max. Operating Pressure (bar) | Vacuum Max. (bar) | Weight (kg/m) | Article Number    |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|---------------|-------------------|
| 35                  | 41,00               | 0,80                | 41                  | 2,30                          | 0,55              | 0,27300       | 6-2000-035-00/998 |
| 38                  | 44,00               | 0,80                | 44                  | 2,30                          | 0,55              | 0,29500       | 6-2000-038-00/998 |
| 42                  | 48,00               | 0,80                | 48                  | 2,30                          | 0,55              | 0,32500       | 6-2000-042-00/998 |
| 45                  | 51,00               | 0,80                | 51                  | 2,30                          | 0,55              | 0,34700       | 6-2000-045-00/998 |
| 50                  | 56,00               | 0,80                | 56                  | 2,30                          | 0,55              | 0,38400       | 6-2000-050-00/998 |
| 55                  | 61,00               | 0,80                | 61                  | 2,00                          | 0,42              | 0,42100       | 6-2000-055-00/998 |
| 60                  | 66,00               | 0,80                | 66                  | 2,00                          | 0,42              | 0,45900       | 6-2000-060-00/998 |
| 65                  | 71,00               | 0,80                | 71                  | 2,00                          | 0,42              | 0,49600       | 6-2000-065-00/998 |
| 70                  | 76,00               | 0,80                | 76                  | 2,00                          | 0,42              | 0,51800       | 6-2000-070-00/998 |
| 76                  | 82,00               | 0,80                | 82                  | 1,50                          | 0,35              | 0,57700       | 6-2000-076-00/998 |
| 80                  | 86,00               | 0,80                | 86                  | 1,50                          | 0,35              | 0,59100       | 6-2000-080-00/998 |
| 83                  | 89,00               | 0,80                | 89                  | 1,50                          | 0,35              | 0,61300       | 6-2000-083-00/998 |
| 100                 | 107,00              | 0,80                | 107                 | 1,00                          | 0,30              | 0,86800       | 6-2000-100-00/998 |
| 120                 | 127,00              | 0,80                | 127                 | 1,00                          | 0,30              | 1,06200       | 6-2000-120-00/998 |
| 125                 | 132,00              | 0,80                | 132                 | 1,00                          | 0,30              | 1,08200       | 6-2000-125-00/998 |
| 130                 | 137,00              | 0,80                | 137                 | 1,00                          | 0,30              | 1,12400       | 6-2000-130-00/998 |
| 140                 | 147,00              | 0,80                | 147                 | 1,00                          | 0,30              | 1,21000       | 6-2000-140-00/998 |
| 150                 | 157,00              | 0,80                | 157                 | 0,70                          | 0,25              | 1,29500       | 6-2000-150-00/998 |
| 160                 | 167,00              | 0,80                | 167                 | 0,70                          | 0,25              | 1,38000       | 6-2000-160-00/998 |
| 175                 | 182,00              | 0,80                | 182                 | 0,70                          | 0,25              | 1,50800       | 6-2000-175-00/998 |
| 180                 | 187,00              | 0,80                | 187                 | 0,70                          | 0,25              | 1,55100       | 6-2000-180-00/998 |
| 200                 | 207,00              | 0,80                | 207                 | 0,70                          | 0,25              | 1,74700       | 6-2000-200-00/998 |

| Inner Diameter (mm) | Outer Diameter (mm) | Wall Thickness (mm) | Bending Radius (mm) | Max. Operating Pressure (bar) | Vacuum Max. (bar) | Weight (kg/m) | Article Number    |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|---------------|-------------------|
| 203                 | 210,00              | 0,80                | 210                 | 0,70                          | 0,25              | 1,93400       | 6-2000-203-00/998 |
| 225                 | 232,00              | 0,80                | 232                 | 0,70                          | 0,25              | 2,35300       | 6-2000-225-00/998 |
| 250                 | 257,00              | 0,80                | 257                 | 0,50                          | 0,15              | 2,61200       | 6-2000-250-00/998 |
| 280                 | 287,00              | 0,80                | 287                 | 0,50                          | 0,15              | 2,92300       | 6-2000-280-00/998 |
| 300                 | 307,00              | 0,80                | 307                 | 0,50                          | 0,15              | 3,13000       | 6-2000-300-00/998 |
| 350                 | 357,00              | 0,80                | 357                 | 0,50                          | 0,15              | 3,64800       | 6-2000-350-00/998 |