



5.1 SILICONE HOSE UNASSEMBLED

TECHNICAL DATA

Standard sizes	<ul style="list-style-type: none"> • DIN DN04 - DIN DN10 • ISO DN10 - ISO DN50
Material	<p>Medium contacted:</p> <ul style="list-style-type: none"> • Hose: Silicone platinum cured <p>Non medium contacted:</p> <ul style="list-style-type: none"> • Glass Silk • Aramid (Keflar)
Gasket	
Surface quality	<p>Medium contacted:</p> <ul style="list-style-type: none"> • Hose: Internal surface Ra < 0,2µm
Tracability	Product contacted material marked with material no. and heat no.
Media	<p>Gases and liquids</p> <p>Individual resistance: See technical specification.</p>
Operating temperature	<p>-40°C to +160°C at ambient pressure</p> <p>Other pressures: See technical specification.</p>
Operating pressure	<p>0,3 to 16 bar at ambient temperature, pulsating pressure prohibited.</p> <p>Other temperatures: See technical specification.</p>
Applicable standards	Dimensions are suiteable to LM-Biotech Sterile Hose-Connection bioplus
Certification	<p>Medium contacted:</p> <ul style="list-style-type: none"> • Hose: FDA conformity, USP-Class VI, TSE free

Note: Actual data to collect at www.LM-Biotech.ch. Specifications and design are subject to change without notice. Date of creation: 10/13



5.1 SILICONE HOSE UNASSEMBLED

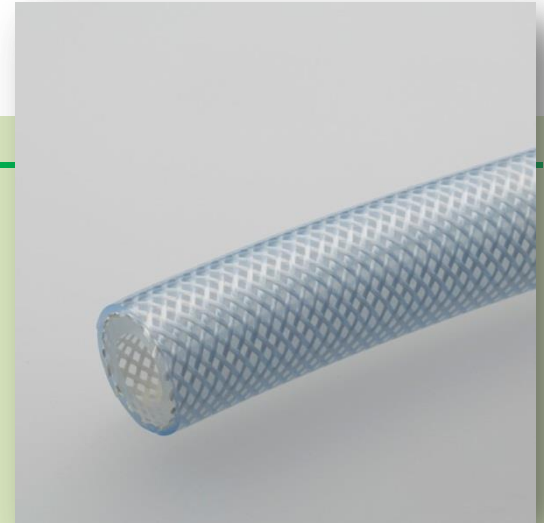
5.1.1 TYPE SIS: SILICONE HOSE WITHOUT REINFORCEMENT

orifice	article no.	bending radius [mm]	roll length [m]	temp. material max.	vacuum-resistance						
DIN 04 / SIS	5001 1004 0000 8000	30.00	50.00	160.00	none						
DIN 06 / SIS	5001 1006 0000 8000	50.00	50.00	160.00	none						
DIN 08 / SIS	5001 1008 0000 8000	60.00	50.00	160.00	none						
DIN 10 / SIS	5001 1010 0000 8000	0.00	50.00	160.00	none						
ISO 10 / SIS	5001 2010 0000 8000	80.00	50.00	160.00	none						

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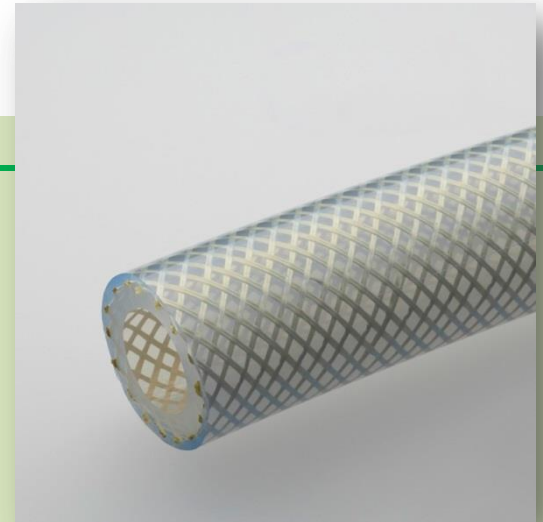
5.1 SILICONE HOSE UNASSEMBLED



5.1.2 TYPE SGB: SILICONE HOSE GLASS SILK REINFORCED

orifice	article no.	max. working pressure [bar]	bending radius [mm]	roll length [m]	temp. material max.	vacuum-resistance					
DIN 04 / SGB	5002 1004 0000 8010	16.0/10.0	30.00	50.00	160.00	none					
DIN 06 / SGB	5002 1006 0000 8010	16.0/10.0	50.00	50.00	160.00	none					
DIN 08 / SGB	5002 1008 0000 8010	14.0/8,5	60.00	50.00	160.00	none					
DIN 10 / SGB	5002 1010 0000 8010	12.0/8.0	70.00	50.00	160.00	none					
ISO 10 / SGB	5002 2010 0000 8010	10.0/6.5	80.00	25.00	160.00	650					
ISO 15 / SGB	5002 2015 0000 8010	8.0/5.0	150.00	25.00	160.00	580					
ISO 25 / SGB	5002 2025 0000 8010	4.0/2,5	220.00	25.00	160.00	180					

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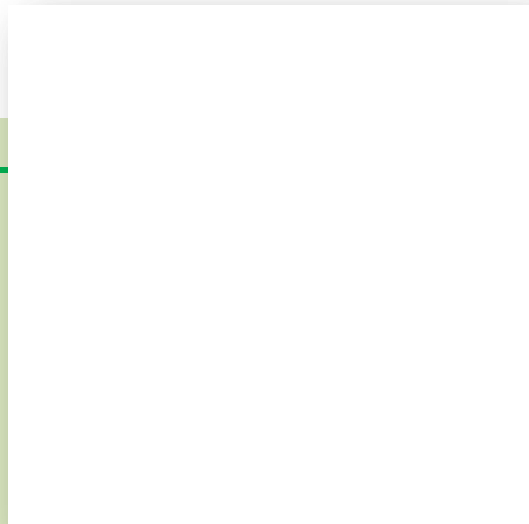


5.1 SILICONE HOSE UNASSEMBLED

5.1.3 TYPE SAB: SILICONE HOSE ARAMID REINFORCED

orifice	article no.	max. working pressure [bar]	bending radius [mm]	roll length [m]	temp. material max.	vacuum-resistance					
DIN 10 / SAB	5003 1010 0000 8020	16.0/10.0	0.01	50.00	160.00						
ISO 10 / SAB	5003 2010 0000 8020	16.0/10.0	80.00	50.00	160.00	650					
ISO 15 / SAB	5003 2015 0000 8020	12.0/8.0	150.00	25.00	160.00	580					
ISO 20 / SAB	5003 2020 0000 8020	10.0/6.5	180.00	25.00	160.00	400					
ISO 25 / SAB	5003 2025 0000 8020	8.0/5.0	220.00	25.00	160.00	180					
ISO 32 / SAB	5003 2032 0000 8020	5.0/3.5	260.00	25.00	160.00	180					
ISO 40 / SAB	5003 2040 0000 8020	5.0/3.0	350.00	25.00	160.00	120					
ISO 50 / SAB	5003 2050 0000 8020	5.0/3.0	450.00	10.00	160.00	120					

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5.1 SILICONE HOSE UNASSEMBLED

5.1.4 TYPE SDA: SILICONE HOSE DOUBLE ARAMID REINFORCED

orifice	article no.	max. working pressure [bar]	bending radius [mm]	roll length [m]	temp. material max.	vacuum-resistance					
ISO 10 / 2xA	5004 2010 0000 8040	25.0/16.0	90.00	25.00	160.00	no collapse					
ISO 15 / 2xA	5004 2015 0000 8040	20.0/12.5	150.00	25.00	160.00	no collapse					
ISO 20 / 2xA	5004 2020 0000 8040	15.0/10.0	180.00	10.00	160.00	no collapse					
ISO 25 / 2xA	5004 2025 0000 8040	13.0/8.5	220.00	10.00	160.00	no collapse					
ISO 32 / 2xA	5004 2032 0000 8040	10.0/6.5	260.00	10.00	160.00	no collapse					
ISO 40 / 2xA	5004 2040 0000 8040	10.0/6.5	350.00	10.00	160.00	no collapse					
ISO 50 / 2xA	5004 2050 0000 8040	8.0/5.0	450.00	10.00	160.00	no collapse					

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