



SL1-8 DN...

## Sample Lines Type SL1-8 DN...

for application in the gas analysis technique

### Special Features

- Different materials
- Accurate to size
- Different diameters

### Application

The accurate M&C sample lines SL1-8 -... are applicable in the gas analysis technique for flexible respectively stationary applications, carrying sample gas, check gas, compressed air, exhaust gas, ventilation gas, condensate and liquid samples. The sample lines can be directly connected to our tube fittings, presented in chapter 11.. of our catalogue. The flexible tubes are available in various dimensions and materials.

### Description

The M&C sample lines SL1-8 -... can be delivered in below mentioned lengths. The lengths of the tube coils from 40 m (131 ft) can vary by  $\pm 5$  m ( $\pm 16.4$  ft).

The tube material and dimensions have to be selected according to the sample conditions. The technical data show the temperature and pressure ranges of the lines. Our leaflet 15.4 contains additional information about delay time and differential pressure depending on the tube dimensions, tube lengths and the sample flow rate.

## Technical Data

Flexible tubes	Typ SL1-...					Typ SL2-...		
Material	PTFE Polytetrafluorethylene					FPM Fluorcarbon-Rubber		
Trade mark	Teflon®					VITON®		
Part-No.	01 U 0010	02 B 1000	02 B 2000	02 B 2500	02 B 3000	90 A 0055	01 T 1000	01 T 1005
Flexible tube types	SL1- 0.7/2	SL1- 4/6	SL1- 6/8	SL1- 8/10	SL1- 10/12	SL2- 2/4	SL2- 4/6	SL2- 6/8
Hose / Tube ø i x o (mm)	0.7 x 2.0	4 x 6	6 x 8	8 x 10	10 x 12	2 x 4	4 x 6	6 x 8
Tolerance ø / wall thickness	DIN 7715-2					DIN 7715-2		
Operating temperature, max.	-190 °C to +200 °C (approx. -310 °F to +392 °F)					-20 °C to +180 °C (approx. -4 to +356 °F)		
Operating pressure, max. at 20 °C (68 °F) (bar abs.)	0 - 11	0 - 11	0 - 9	0 - 7	0.5 - 5	0.1 - 7	0.3 - 5	0.4 - 4
Weight (g/m)	9	34	47	60	75	18	29	40
Length of the tube coil	1 / 2 / 50 m (3.3 / 6.6 / 164 ft)	50 / 100 m (164 / 328 ft)	50 / 100 m (164 / 328 ft)	50 / 100 m (164 / 328 ft)	50 m (164 ft)	2 / 40 m (6.6 / 131 ft)	40 m (131 ft)	40 m (131 ft)
Smallest bending radius	10 mm (0.39")	40 mm (1.57")	70 mm (2.76")	100 mm (3.94")	150 mm (5.91")	30 mm (1.18")	40 mm (1.57")	70 mm (2.76")
Analysis quality, natural pure	yes					yes		
Non adhesive surface	yes					no		
UV-resistant	yes					yes		
Colour	semi-clear white					black		

Flexible tubes	Typ SL3-...	Typ SL4-...			Typ SL5-...
Material, Trade Mark	NOVOPREN®	PVC Polyvinylchloride			TYGON®
Part-No.	01 T 2000	01 T 4000	01 T 4100	01 T 4200	01 T 4500
Flexible tube types	SL3- 3.2/6.4	SL4- 4/6	SL4- 4/8	SL4- 6/8	SL5- 3.2/6.4
Hose / Tube ø i x o (mm)	3.2/6.4	4 x 6	4 x 8	6 x 8	1/8" x 1/4"
Tolerance ø / wall thickness	DIN 7715-2	DIN 7715-2			DIN 7715-2
Operating temperature, max.	-10 °C to +100 °C (14 °F to 212 °F)	-10 °C to +60 °C (14 °F to 140 °F)			-40 °C to +70 °C (approx. -40 °F to +158 °F)
Operating pressure, max. at 20 °C (68 °F) (bar abs.)	0 - 11	0.4 - 7	0 - 11	0.5 - 5	0.2 - 9
Weight (g/m)	43	22	40	31	33
Length of the tube coil	1 / 10 m (3.3 / 33 ft)	100 m (328 ft)	5 / 100 (16.4 / 328 ft)	100 (328 ft)	5 / 15 (16.4 / 49.2 ft)
Smallest bending radius	40 mm (1.57")	40 mm (1.57")	70 mm (2.76")	70 mm (2.76")	40 mm (1.57")
Analysis quality, natural pure	yes	yes			yes
Non adhesive surface	no	no			no
UV-resistant	yes	yes			yes
Colour	beige	clear			clear

PVC-tubes are not applicable for continuous use with overpressure.

Flexible tubes	Typ SL6-...	Typ SL7-...			Typ SL8-...
Material	PFA Perfluoralkoxy	PA Polyamide			PE Polyäthylene
Trade Mark		NYLON® flexible			
Part-No.	01 T 5000	01 T 6000	01 T 6100	01 T 6200	01 T 7000
Flexible tube types	SL6- 4/6	SL7- 4/6	SL7- 6/8	SL7- 8/10	SL8- 4/6
Hose / Tube ø i x o (mm)	4 x 6	4 x 6	6 x 8	8 x 10	4 x 6
Tolerance ø / wall thickness	DIN 7715-2	DIN 7715-2			DIN 7715-2
Operating temperature, max.	-180 °C bis +200 °C (approx. -292 °F to +392 °F)	-10 °C to +70 °C (14 °F to 158 °F)			-20 °C to +60 °C (ap- prox. -4 °F to +140 °F)
Operating pressure, max. at 20 °C (68 °F) (bar abs.)	0 - 11	0 - 26	0 - 19	0 - 15	0 - 9
Weight (g/m)	34	17	23	30	15
Length of the tube coil	25 (82 ft)	50 m (164 ft)	50 m (164 ft)	50 m (164 ft)	50 (164 ft)
Smallest bending radius	100 mm (3.94")	40 mm (1.57")	70 mm (2.76")	100 mm (3.94")	40 mm (1.57")
Analysis quality, natural pure	yes	yes			yes
Non adhesive surface	yes	no			no
UV-resistant	yes	yes			no
Colour	semi-clear white	semi-clear white			semi-clear white

Other materials, dimensions or coloured versions are available..

To cut the tube accurately, we recommend:  
Hose cutter, Part-No.: 10 T 1000