



Electrically Heated Hoses (templine®)

**Heated hoses with integrated
temperature controller/limiter for
application in industrial processes,
automation & machine-building**



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Electrically heated hose for power supply / temperature control



Material

- outer casing made of mechanically resilient and abrasion resistant materials
- single/double/multiple pressure-reinforced medium hose made of PTFE, high resistance to chemicals
- thermal insulation: optional silicone foam or silicon-free textile cord

Applications

- maintaining and increasing temperatures for gases, granules and liquids of varying viscosity
- sugar coating, chocolate production, beverage industry, gas analysis, adhesive technology, bitumen, etc.

Available on request

- patented braided templine® or wrapped templine®-Basic version

Properties

- homogenous heat distribution
- crush-resistant and antistatic constructions on demand
- possible connection to external temperature controllers or PLC
- templine® version: patented braiding with embedded heating conductors
- fittings made of steel or stainless steel
- applications up to 500 bar and vacuum
- low demand for energy
- high power density
- good flexibility

Temperature Range

- single/double/multiple pressure-reinforced medium hoses made of PTFE up to +250°C (+482°F)
- metal hose up to +300°C (+572°F)
- other temperature profiles on demand



Stock lengths and technical data / www.masterflex.de/en

DN mm	outer diameter mm	protection number	article number	min. length m
4	22 ... 39	IP54 ... IP68	on demand	0,3
6	22 ... 39	IP54 ... IP68	on demand	0,3
8	22 ... 39	IP54 ... IP68	on demand	0,3
10	28 ... 39	IP54 ... IP68	on demand	0,3
13	28 ... 39	IP54 ... IP68	on demand	0,3
16	32 ... 59	IP54 ... IP68	on demand	0,3
20	39 ... 79	IP54 ... IP68	on demand	0,3
25	59 ... 79	IP54 ... IP68	on demand	0,3
32	79 ... 99	IP54 ... IP68	on demand	0,3
40	79 ... 99	IP54 ... IP68	on demand	0,5
50	79 ... 99	IP54 ... IP68	on demand	0,5
65	90 ... 108	IP54 ... IP68	on demand	0,5
80	108 ... 129	IP54 ... IP68	on demand	0,5
100	129 ... 150	IP54 ... IP68	on demand	0,5

max. production length: 100 m

All data refers to a medium and ambient temperature of +20 °C
Subject to technical changes and colour deviations.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Electrically heated hose with integrated temperature controller



Material

- outer casing made of mechanically resilient and abrasion resistant materials
- single/double/multiple pressure-reinforced medium hose made of PTFE, high resistance to chemicals
- thermal insulation: optional silicone foam or silicon-free textile cord

Applications

- maintaining and increasing temperatures for gases, granules and liquids of varying viscosity
- sugar coating, chocolate production, beverage industry, gas analysis, adhesive technology, bitumen, etc.

Available on request

- patented braided templine® or wrapped templine®-Basic version

Properties

- homogenous heat distribution
- crush-resistant and antistatic constructions on demand
- templine® version: patented braiding with embedded heating conductors
- possible connection to external temperature controllers or PLC
- fittings made of steel or stainless steel
- applications up to 500 bar and vacuum
- low demand for energy
- up to 1380W switching capacity
- high power density
- good flexibility

Temperature Range

- single/double/multiple pressure-reinforced medium hoses made of PTFE up to +250°C (+482°F)
- metal hose up to +300°C (+572°F)
- other temperature profiles on demand



Stock lengths and technical data / www.masterflex.de/en

DN mm	outer diameter mm	protection number	article number	min. length m
4	22 ... 39	IP54 ... IP68	on demand	0,3
6	22 ... 39	IP54 ... IP68	on demand	0,3
8	22 ... 39	IP54 ... IP68	on demand	0,3
10	28 ... 39	IP54 ... IP68	on demand	0,3
13	28 ... 39	IP54 ... IP68	on demand	0,3
16	32 ... 59	IP54 ... IP68	on demand	0,3
20	39 ... 79	IP54 ... IP68	on demand	0,3
25	59 ... 79	IP54 ... IP68	on demand	0,3
32	79 ... 99	IP54 ... IP68	on demand	0,3
40	79 ... 99	IP54 ... IP68	on demand	0,5
50	79 ... 99	IP54 ... IP68	on demand	0,5
65	90 ... 108	IP54 ... IP68	on demand	0,5
80	108 ... 129	IP54 ... IP68	on demand	0,5
100	129 ... 150	IP54 ... IP68	on demand	0,5

max. production length: 100 m

All data refers to a medium and ambient temperature of +20 °C
Subject to technical changes and colour deviations.

Electrically heated hose for power supply / temperature control



Material

- outer casing made of mechanically resilient and abrasion resistant materials
- single/double/multiple pressure-reinforced medium hose made of PTFE, high resistance to chemicals
- thermal insulation: optional silicone foam or silicon-free textile cord

Applications

- maintaining and increasing temperatures for gases, granules and liquids of varying viscosity
- sugar coating, chocolate production, beverage industry, gas analysis, adhesive technology, bitumen, etc.

Available on request

- patented braided templine® or wrapped templine®-Basic version

Properties

- homogenous heat distribution
- crush-resistant and antistatic constructions on demand
- templine® version: patented braiding with embedded heating conductors
- fittings made of steel or stainless steel
- applications up to 500 bar and vacuum
- low demand for energy
- up to 1380W switching capacity
- high power density (up to 250 W/m)
- good flexibility

Temperature Range

- single/double/multiple pressure-reinforced medium hoses made of PTFE up to +250°C (+482°F)
- metal hose up to +300°C (+572°F)
- other temperature profiles on demand



Stock lengths and technical data / www.masterflex.de/en

DN mm	outer diameter mm	protection number	article number	min. length m
4	22 ... 39	IP54 ... IP68	on demand	0,3
6	22 ... 39	IP54 ... IP68	on demand	0,3
8	22 ... 39	IP54 ... IP68	on demand	0,3
10	28 ... 39	IP54 ... IP68	on demand	0,3
13	28 ... 39	IP54 ... IP68	on demand	0,3
16	32 ... 59	IP54 ... IP68	on demand	0,3
20	39 ... 79	IP54 ... IP68	on demand	0,3
25	59 ... 79	IP54 ... IP68	on demand	0,3
32	79 ... 99	IP54 ... IP68	on demand	0,3
40	79 ... 99	IP54 ... IP68	on demand	0,5
50	79 ... 99	IP54 ... IP68	on demand	0,5
65	90 ... 108	IP54 ... IP68	on demand	0,5
80	108 ... 129	IP54 ... IP68	on demand	0,5
100	129 ... 150	IP54 ... IP68	on demand	0,5

max. production length: 100 m

All data refers to a medium and ambient temperature of +20 °C
Subject to technical changes and colour deviations.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Electrically heated hose with integrated temperature switch



Material

- outer casing made of mechanically resilient and abrasion resistant materials
- single/double/multiple pressure-reinforced medium hose made of PTFE, high resistance to chemicals
- thermal insulation: optional silicone foam or silicon-free textile cord

Applications

- maintaining temperature / frost protection for gases, granules and liquids of varying viscosity

Available on request

- patented braided templine® or wrapped templine®-Basic version

Properties

- homogenous heat distribution
- crush-resistant and antistatic constructions on demand
- templine® version: patented braiding with embedded heating conductors
- fittings made of steel or stainless steel
- applications up to 500 bar and vacuum
- low demand for energy
- maintaining the temperature of the medium at +5°C
- up to 690W switching capacity
- good flexibility

Temperature Range

- single/double/multiple pressure-reinforced medium hoses made of PTFE up to +250°C (+482°F)
- other temperature profiles on demand



DN mm	outer diameter mm	protection number	article number	min. length m
4	22 ... 39	IP54 ... IP68	on demand	0,3
6	22 ... 39	IP54 ... IP68	on demand	0,3
8	22 ... 39	IP54 ... IP68	on demand	0,3
10	28 ... 39	IP54 ... IP68	on demand	0,3
13	28 ... 39	IP54 ... IP68	on demand	0,3
16	32 ... 59	IP54 ... IP68	on demand	0,3
20	39 ... 79	IP54 ... IP68	on demand	0,3
25	59 ... 79	IP54 ... IP68	on demand	0,3
max. production length: 50 m				
All data refers to a medium and ambient temperature of +20 °C Subject to technical changes and colour deviations.				

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Insulated hose without electrical heating for simple temperature maintenance



Material

- outer casing made of mechanically resilient and abrasion resistant materials
- single/double/multiple pressure-reinforced medium hose made of PTFE, high resistance to chemicals
- thermal insulation: optional silicone foam or silicon-free textile cord

Applications

- sugar coating, chocolate production, beverage industry, gas analysis, adhesive technology, bitumen, etc.
- temperature maintenance of gases, granules and liquids of various viscosities

Available on request

- RFID labelling

Properties

- crush-resistant and antistatic constructions on demand
- fittings made of steel or stainless steel
- applications up to 500 bar and vacuum
- good flexibility

Temperature Range

- single/double/multiple pressure-reinforced medium hoses made of PTFE up to +250°C (+482°F)
- metal hose up to +300°C (+572°F)
- other temperature profiles on demand



DN mm	outer diameter mm	protection number	article number	min. length m
4	22 ... 39	IP54 ... IP68	on demand	0,3
6	22 ... 39	IP54 ... IP68	on demand	0,3
8	22 ... 39	IP54 ... IP68	on demand	0,3
10	28 ... 39	IP54 ... IP68	on demand	0,3
13	28 ... 39	IP54 ... IP68	on demand	0,3
16	32 ... 59	IP54 ... IP68	on demand	0,3
20	39 ... 79	IP54 ... IP68	on demand	0,3
25	59 ... 79	IP54 ... IP68	on demand	0,3
32	79 ... 99	IP54 ... IP68	on demand	0,3
40	79 ... 99	IP54 ... IP68	on demand	0,5
50	79 ... 99	IP54 ... IP68	on demand	0,5
65	90 ... 108	IP54 ... IP68	on demand	0,5
80	108 ... 129	IP54 ... IP68	on demand	0,5
100	129 ... 150	IP54 ... IP68	on demand	0,5

max. production length: 100 m

All data refers to a medium and ambient temperature of +20 °C
Subject to technical changes and colour deviations.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Electrically heated hose with interchangeable internal hose



Material

- outer casing made of mechanically resilient and abrasion resistant materials
- single/double/multiple pressure-reinforced medium hose made of PTFE, high resistance to chemicals
- thermal insulation: optional silicone foam or silicon-free textile cord

Applications

- maintaining and increasing temperatures for gases, granules and liquids of varying viscosity
- sugar coating, chocolate production, beverage industry, gas analysis, adhesive technology, bitumen, etc.

Available on request

- patented braided templine® or wrapped templine®-Basic version

Properties

- homogenous heat distribution
- crush-resistant and antistatic constructions on demand
- possible connection to external temperature controllers or PLC
- templine® version: patented braiding with embedded heating conductors
- applications up to 500 bar and vacuum
- low demand for energy
- fittings made of steel, stainless steel or open hose ends
- interchangeable medium hose
- good flexibility

Temperature Range

- single/double/multiple pressure-reinforced medium hoses made of PTFE up to +250°C (+482°F)
- other temperature profiles on demand



DN mm	outer diameter mm	protection number	article number	min. length m
4	22 ... 39	IP54 ... IP68	on demand	0,3
6	22 ... 39	IP54 ... IP68	on demand	0,3
8	22 ... 39	IP54 ... IP68	on demand	0,3
10	28 ... 39	IP54 ... IP68	on demand	0,3
13	28 ... 39	IP54 ... IP68	on demand	0,3
16	32 ... 59	IP54 ... IP68	on demand	0,3
20	39 ... 79	IP54 ... IP68	on demand	0,3
max. production length: 20 m				
All data refers to a medium and ambient temperature of +20 °C Subject to technical changes and colour deviations.				

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16