

MASTER-CLIP HT 1100

Ref 000319

Medium- and high temperature hose for temperatures up to 1100 °C



Microbe resistant

Hydrolysis resistant

Temperature- resistant

Very flexible

Heavy

-20 to +1100 °C

CONSTRUCTION & MATERIALS

- Type of construction: spiral hose with clamping profile
- Design of the helix: metal band, formed as a clamping profile
- Material of the helix: steel strip, VA steel 1.4512
- Design of the external spiral: designed as an additional protective profile
- Execution of the wall: made of three layers
- Design of inner and outer hose: interlayer made of thermal textile fabric
- Material of the inner layer: stainless steel wire mesh
- Execution of the external layer: reinforced by interwoven VA wire / coating with heat stabilisers
- Material of the outer layer: high temperature fabric

PROPERTIES

- Chemical Properties: silicone-free
- Flexibility: very flexible
- Physical Properties: flame resistant
- Weight: heavy
- Pressure Resistance: moderately pressure resistant / pressure resistance depending on design, not recommended for overpressure applications
- Colour: silver grey

TEMPERATURE

- Temperature Range: -20 to 1100 °C
- short-term maximum temperature: peaks to 1100 °C exhaust gas temperature with proper use. For negative pressure applications and at least 50% fresh air at maximum temperature.
- proper use: the specifications apply to flue gas temperatures in the context of negative pressure applications with a minimum of 50% fresh air supply up to the maximum specified temperature

APPLICATIONS & INDUSTRIES

Automotive / Plant & Mechanical Engineering / Industry / aviation technology / Ventilation & Air-conditioning / Printing & Paper / Metal & Toolmaking

VARIANT SPECIFICATIONS

32 sizes · DN 75 to 900 mm

Article no.	DN (mm)	Bend radius (mm)	Weight (kg/m)	Working press. (bar)	Vacuum (bar)
000319:75:x	75	45	1.68	On request	0.30
000319:80:x	80	48	1.78	On request	0.27
000319:90:x	90	54	1.99	On request	0.25
000319:100:x	100	60	1.78	On request	0.20
000319:110:x	110	66	1.94	On request	0.16
000319:120:x	120	72	2.11	On request	0.14
000319:125:x	125	75	2.19	On request	0.12
000319:130:x	130	78	2.27	On request	0.12
000319:140:x	140	84	2.44	On request	0.10
000319:150:x	150	90	2.60	On request	0.09
000319:160:x	160	96	2.77	On request	0.08
000319:170:x	170	102	2.93	On request	0.07
000319:175:x	175	105	3.02	On request	0.07
000319:180:x	180	126	3.10	On request	0.06
000319:200:x	200	140	3.43	On request	0.05
000319:215:x	215	151	3.68	On request	0.05
000319:225:x	225	158	3.84	On request	0.04
000319:250:x	250	175	4.25	On request	0.03
000319:275:x	275	193	4.67	On request	0.03
000319:300:x	300	210	5.08	On request	0.02
000319:315:x	315	221	5.33	On request	0.02
000319:325:x	325	228	5.49	On request	0.02
000319:350:x	350	245	5.90	On request	0.02
000319:375:x	375	300	6.35	On request	0.02
000319:400:x	400	320	6.76	On request	0.01
000319:450:x	450	360	7.59	On request	0.01
000319:500:x	500	400	8.41	On request	0.01
000319:550:x	550	440	9.24	On request	0.01
000319:600:x	600	480	10.06	On request	0.01
000319:700:x	700	560	11.72	On request	0.01
000319:800:x	800	640	13.37	On request	0.01
000319:900:x	900	720	15.02	On request	0.01

Lengths. Supplied in standard stock lengths — see flex-appeal.co.uk for available sizes.