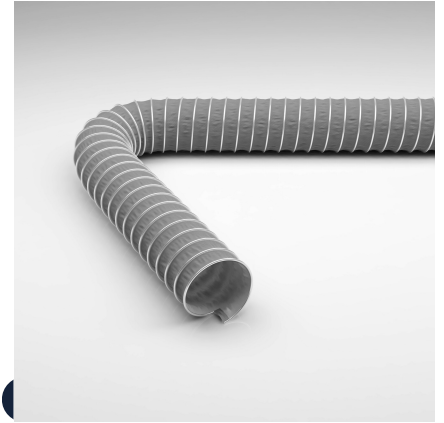


MASTER-CLIP HT 450

Ref 000324

Exhaust gas hose for exhaust gas temperatures up to 450 °C, two layers



Hydrolysis resistant

Microbe resistant

Flame-retardant

Compressible

Very flexible

Moderately pressure resistant

-20 to +450 °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, hot-dip galvanised
- Design of the external spiral: designed as an additional protective profile
- Execution of the wall: coated / double-layered
- Specifications of the wall: flame retardant according to DIN EN 13501-1 (class B1, s2: medium smoke development; d0: no burning droplet/fall within 600 seconds)
- Design of the inner layer: reinforced by interwoven VA wire / heat-resistant impregnation
- Material of the inner layer: glass fabric
- Execution of the external layer: coating with heat stabilisers
- Material of the outer layer: high temperature fabric

PROPERTIES

- Chemical Properties: good resistance to chemicals / good UV resistance / good ozone resistance / weather-resistant
- Flexibility: very flexible
- Weight: medium heavy
- Pressure Resistance: moderately pressure resistant / pressure resistance depending on design, not recommended for overpressure applications
- Colour: silver grey
- Other: increased vacuum resistance due to woven-in reinforcing components

TEMPERATURE

- Temperature Range: -20 to 450 °C
- short-term maximum temperature: peaks to 450 °C exhaust gas temperature (peaks to 500 °C), for proper use exhaust gas funnels are required and a sufficient supply of fresh air (approx. 50% based on the maximum specified temperature)
- proper use: for flue gas temperatures >+250 °C, suitable only for static negative pressure applications with a minimum of 50% fresh air supply at the maximum specified temperature

APPLICATIONS & INDUSTRIES

Automotive / Plant & Mechanical Engineering / Industry / aviation technology / Ventilation & Air-conditioning / Sea & Rail transport / Food & Pharma / Vehicle Construction / Metal & Toolmaking

STANDARDS & COMPLIANCE

- DIN EN 13501

VARIANT SPECIFICATIONS

37 sizes · DN 50 to 900 mm

Article no.	DN (mm)	Bend radius (mm)	Weight (kg/m)	Working press. (bar)	Vacuum (bar)
000324:50:x	50	30	0.59	On request	0.35
000324:55:x	55	33	0.65	On request	0.29
000324:60:x	60	36	0.63	On request	0.24
000324:65:x	65	39	0.68	On request	0.21
000324:70:x	70	42	0.73	On request	0.17
000324:75:x	75	45	0.78	On request	0.15
000324:80:x	80	48	0.83	On request	0.14
000324:90:x	90	54	0.93	On request	0.11
000324:100:x	100	60	1.20	On request	0.09
000324:110:x	110	66	1.31	On request	0.07
000324:120:x	120	72	1.43	On request	0.06
000324:125:x	125	75	1.48	On request	0.05
000324:130:x	130	78	1.54	On request	0.05
000324:140:x	140	84	1.65	On request	0.05
000324:150:x	150	90	1.76	On request	0.04
000324:160:x	160	96	1.87	On request	0.03
000324:170:x	170	102	1.99	On request	0.03
000324:175:x	175	105	2.04	On request	0.03
000324:180:x	180	108	2.10	On request	0.03
000324:200:x	200	120	2.32	On request	0.02
000324:215:x	215	151	2.78	On request	0.02
000324:225:x	225	158	2.90	On request	0.02
000324:250:x	250	175	3.21	On request	0.02
000324:275:x	275	193	3.52	On request	0.01
000324:300:x	300	210	3.83	On request	0.01
000324:315:x	315	221	4.01	On request	0.01
000324:325:x	325	228	4.14	On request	0.01
000324:350:x	350	245	4.45	On request	0.01
000324:375:x	375	263	4.78	On request	0.01
000324:400:x	400	280	5.09	On request	0.01
000324:450:x	450	360	5.71	On request	0.01
000324:500:x	500	400	6.33	On request	0.01
000324:550:x	550	440	6.94	On request	0.01
000324:600:x	600	480	7.56	On request	0.01
000324:700:x	700	560	8.80	On request	0.01
000324:800:x	800	640	10.03	On request	0.01
000324:900:x	900	720	11.27	On request	0.01

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