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METAL FLEXIBLE HOSE FOR CHIMNEY

Flexible metallic strip wound tubes are manufactured from a helically wound pre-formed strip, generally with right-hand lead where the turns, with or without packing, are connected together by single or double overlapping. The flexibility is obtained by sliding adjacent turns on each other.

There are three types of strip wound tubes distinguished by their principle of manufacture and sealing characteristic:

- leak proof tubes: suitable in applications for pressure (pressure tubes),
- tubes with limited leak profess: suitable in applications with low pressures and permissible leakage loss of fluid (extraction and exhaust tubes),
- non-leak proof tubes: suitable in applications without pressure (protective tubes).

MATERIAL:

Flexible metallic tubes usually in heavy-duty conditions.

In comparison with rigid tubes, they have less thickness of wall and therefore shall have superior anti-corrosive.

The ideal materials to be used in the manufacture of flexible metallic tubes must meet the following requirements:

- working ability by plastic deformation,
- good strength properties,
- optimum thermal stability,
- anti-corrosive properties,
- reliability in operation.

In principle, there is no material which will ideally meet all these demands. The materials, used for our range, cover a large variety of needs occurring in practice.

Flexible metallic strip wound tubes are in a standard manner made of the following materials: stainless steel AISI 304 W.Nr. 1.4301 and galvanized steel

Metal flexible hose for chimney - The hose has excellent leak proof, high flexibility and resistance against:

- elastic expansion;
- traction;
- flections;
- abrasion;
- blows,
- crushing,
- vibrations, owing to pitch of helical formation;
- high temperatures up to +600 °C
- changes of temperature

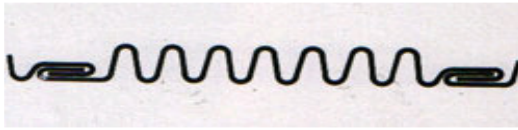
APPLICATION

It is used for tubing of old and new chimneys in single and multistory buildings where solid, liquid and gaseous combustibles are used for heating.

The old and new chimneys made of porous materials (bricks, argile tubes, ceramics etc) do not offer necessary guarantee for normal and long-lived exhausting of burning products.



FUMIFLEX – Flexible hose in shape like can volute made by high – alloyed stainless steel strip in quality acc. to USA standard AISI 304, assembled by double strip wounded. Lead of helix double strip wound enable its high-leak profess and good flexibility, small weight and economical.



Application is for boilers using of liquid and gas

Dimensions: from DN 72 to DN 400

FUMIFLEX			
Diameter (mm)		Bending radius min. tol. +10%	weight tol. ± 10%
Nominal inside	outside		
DN=d (mm)	D (mm)	Rmin(mm)	kg/m
72	77	35	0,43
78	82,5	40	0,46
80	85	42,5	0,48
90	95	47,5	0,56
100	105	50	0,60
102	107	51	0,62
106	110,5	52,5	0,65
110	115,3	55	0,66
112	117	57,5	0,67
120	124,5	60	0,72
122	127	61	0,73
125	130,3	62,5	0,75
127	132	65	0,77
140	145	70	0,84
148	152,5	74	0,86
150	155	75	0,89
155	160	77,5	0,94
160	165	80	0,96
178	183	87,5	1,07
183	188	90	1,10
203	208	100	1,24
228	237	135	1,90
254	263	150	2,10
279	288	165	2,30
304	309	180	1,80
354	363	210	2,90
404	413	240	3,30
454	463	270	3,70
500	509	290	4,05
600	609	340	4,85
700	709	375	5,65
800	809	425	6,50
900	909	550	7,30



FUMINOX – Flexible hose with helical ribs made by more than high alloyed steel strip in quality acc. to USA standard AISI 304, assembled by double strip wound. Lead of helix double strip wound enable excellent hose leak proof and high flexibility.



FUMINOX			
Diameter (mm)		Bending radius min. tol. +10%	weight tol. ± 10%
Nominal inside	Outside		
DN=d (mm)	Rmin (mm)	kg/m	kg/m
80	84,5	315	2,30
85	89,5	335	2,43
90	94,5	355	2,57
100	104,5	390	2,85
105	109,5	410	3,00
110	114,5	430	3,13
113	117,5	440	3,21
120	124,5	470	3,40
125	129,5	490	3,54
127	131,5	495	3,60
130	134,5	510	3,68
140	144,5	545	3,96
142	146,5	555	4,02
150	154,5	590	4,24
155	159,5	605	4,38
160	164,5	620	4,52
170	174,5	660	4,80
175	179,5	680	4,94
180	184,5	700	5,08
200	204,5	775	5,60
226	232	850	9,70
250	256	1050	10,75
300	306	1275	12,85
350	356	1475	15,00
400	406	1685	17,10