



## ANAFLEX®:

Very flexible, halogen-free, non-smoke, extreme temperature range, EMI/EMP shielding.

Initially designed as a self-mounting flexible piping system for the HVAC (Heating, Ventilation & Airconditioning) it appears that the ANAFLEX® system from Anamet Europe BV offers also an ideal solution for various electrical installations. The ANAFLEX® consists completely of high quality stainless steel AISI-316L and stays even at high temperatures (till +250 °C) completely liquidtight. In combination with the unique ANAFLEX®-CLICK fittings an IP 69K sealing will be reached.

Due to the fact that the ANAFLEX® system has no plastic cover, it is highly resistant against oils, greases and solvents, and in case of fire there will be no development of toxic gases and smoke. Because ANAFLEX® consists of a continuous profiled tube, an optimum EMI/EMP shielding will be obtained.

The combination of all above mentioned characteristics makes ANAFLEX® in part applicable in the subway-, train- and bus-building industry, in closed areas, airports, tunnels and (subway) stations, in the chemical and petrochemical industry, but also in the military sector, marine and air-traffic control.

### Material & Construction:

**Construction:** Flexible parallel corrugated hose, stainless steel AISI-316L.

**Temperature:** -70 °C to +250 °C.

**Colour:** Metal.

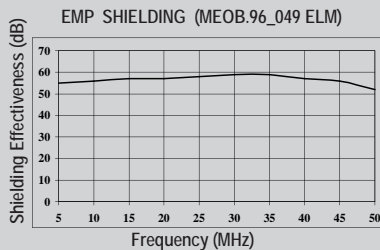
### Classification according NEN-EN-IEC 61386:

**Compression resistance:** Class 3, Medium (750 N).

**Impact resistance:** Class 3, Medium (2 J).

**Tensile strength:** Class 4, Heavy (1000 N).

**Protection class:** IP 69K (dust-free, water-proof).



GOST-R



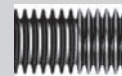
OIL



LOW SMOKE



EMP/EMV



Standard corrugation

ANACONDA  
MULTIFLEX

TUBING  
TYPE  
ANAFLEX

Anaflex®	Diameter		Bending radius		Standard carton		Small carton		Reels		Weight (Kg/m)
	Size	Inside	Outside	Static	Dynamic	Metre	Article No.	Metre	Article No.	Metre	
DN	(mm)	(mm)	(mm)	(mm)	(mm)						
DN 12	12,2	16,7	45	180	30	465.012.1	10	465.012.3	120	465.012.5	0,12
DN 16	16,2	21,5	60	180	30	465.016.1	10	465.016.3	90	465.016.5	0,20
DN 20	20,3	26,7	70	190	30	465.020.1	10	465.020.3	60	465.020.5	0,28

The ANAFLEX® stainless steel hoses can be used in combination with the unique ANAFLEX®-CLICK fittings, as outlined on page 1-45.



Size Anaflex®	DN	-	-	-	12	16	20	-	-	-	-	-	-
Fittings	ISO	-	-	-	M16-M20	M20	M25	-	-	-	-	-	-
	PG	-	-	-	-	-	-	-	-	-	-	-	-
	NPT	-	-	-	1/2"	1/2"- 3/4"	3/4"	-	-	-	-	-	-



**ANAFLEX® -CLICK:**  
Quick mounting, reliable, high temperature resistance and very high protection class IP 69K.

For the stainless steel ANAFLEX® hose, a special and unique fitting has been designed. The major advantage of these nickel plated brass ANAFLEX®-CLICK fittings is the easy click-on system (no need to dis-assemble the fitting first). After tightening the counter nut (2 till 3 full turns) a strong and fully liquid-tight connection is made (IP 69K).

**Material & Construction:**

**Construction:** Nickel plated brass fitting, consisting of 6 parts (body, counter nut, retaining ring and filler ring are nickel plated brass, internal sealing sleeve is from PTFE and the internal flat seal is from silicone rubber).

**Special approvals:** Click system tested and approved by the "Institut für Solartechnik SPF" (Switzerland).

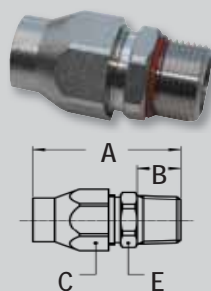
**Temperature:** -70 °C till +250 °C.

**Colour:** Metal.

**ANACONDA  
MULTIFLEX**

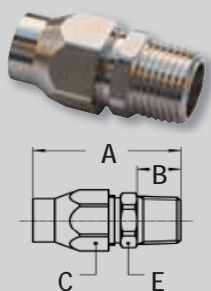
**FITTING TYPE  
ANAFLEX-CLICK  
IP 69K**

**ISO straight fitting, male, nickel plated brass.**



Thread	Anaflex Size (DN)	Min. Internal Bore (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	D	E			
M16 x 1,5	DN 12	10,0	47	12	24	-	22	10	842.016.0	5,9
M20 x 1,5	DN 12	10,0	48	13	24	-	22	10	842.017.0	6,1
M20 x 1,5	DN 16	14,0	54	13	29	-	27	10	842.020.0	9,0
M25 x 1,5	DN 20	18,0	60	15	36	-	34	5	842.025.0	15,6

**NPT straight fitting, male, nickel plated brass.**



Thread	Anaflex Size (DN)	Min. Internal Bore (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	D	E			
NPT 1/2"	DN 12	10,0	50	15	24	-	22	10	844.012.0	6,3
NPT 1/2"	DN 16	14,0	58	17	29	-	27	10	844.016.0	9,7
NPT 3/4"	DN 16	14,0	59	17	29	-	27	5	844.018.0	10,5
NPT 3/4"	DN 20	18,0	62	17	36	-	34	5	844.020.0	16,0

\* Also available with thread female NPT and ISO, male and female BSPT, clamping to rigid pipes of Ø 15 mm till Ø 22 mm.

**Working of the system:**

- Step 1. : Cut the hose to the desired length in the valley of the corrugation with a simple pipe-cutter or iron-saw.
- Step 2. : Turn back the nut with 1/2 a turn, to release the retaining ring, and push the fitting on the hose till the hose-end blocks on the flat seal inside the fitting.
- Step 3. : Tighten the nut 2 till 3 full turns with a wrench to get a complete leak tight connection.

Step 1



Step 2



Step 3

