

# Tiflex Hose V series

Since both ends of a hose are sharp metallic edges, hose should be handled carefully.

## PAL type

### Features

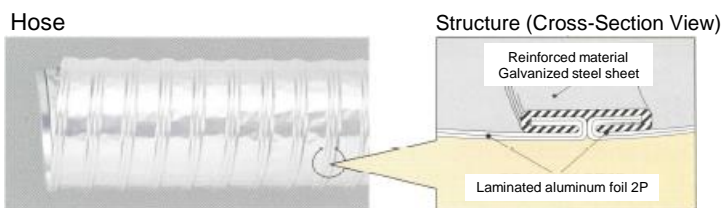
- Heat resistant flexible hose constructed of special laminated aluminum foil and galvanized steel sheet.
- Easy to store, keep, and transport due to light weight and free contractibility.
- Continuous usable temperature is about 130 °C or lower.
- Although using galvanized steel sheet as a reinforced material, it complies with RoHS.

**Note:** Excels in flexibility but is not suited for repeated flexing.

**Note:** Not suited for applications requiring air-tightness.

### Applications

- Suited for air conditioning, especially for air conveying and exhaust in a ceiling.



Sizes and properties (PAL-□)

Nominal Dia. (φ)	I.D. (mm)	O.D. (mm)	Pitch (mm)	Working Pressure (20°C) MPa or less/ [kgf/cm <sup>2</sup> or less]	Allowable Reduced Pressure (20°C) KPa or less/ [mmHg or less]	Allowable Bending Radius (mm or more)	Ref. Weight (g/m)	Std. Length (m)
50	50.8±1.0	54.3	20.0	0.032 [0.33]	-17.0 [-130]	60	360	5
65	65.5±1.0	69.5	20.0	0.029 [0.30]	-17.0 [-130]	70	410	
75	75.5±1.0	79.5	20.0	0.025 [0.25]	-15.0 [-115]	80	480	
90	91.0±1.0	95.0	24.0	0.020 [0.20]	-13.0 [-100]	95	480	
100	101.5±1.5	105.0	24.0	0.020 [0.20]	-13.0 [-100]	105	540	
125	126.0±1.5	130.0	24.0	0.018 [0.18]	-13.0 [-100]	125	695	
150	152.0±1.5	156.0	24.0	0.015 [0.15]	-9.0 [-70]	150	815	
(175)	177.0±2.0	181.0	24.0	0.013 [0.13]	-8.0 [-62]	175	980	
200	202.0±2.0	206.0	24.0	0.010 [0.10]	-6.0 [-45]	200	1,090	
250	253.5±2.5	257.0	24.0	0.008 [0.08]	-3.0 [-23]	255	1,345	
(275)	278.0±2.5	282.0	24.0	0.006 [0.06]	-3.0 [-23]	280	1,540	
300	304.0±3.0	308.0	24.0	0.005 [0.05]	-3.0 [-23]	305	1,680	

( ) are custom-made products.

Nipple for connecting with steel pipe or two hoses connecting is also available. Please refer to P53.

## AG type

### Features

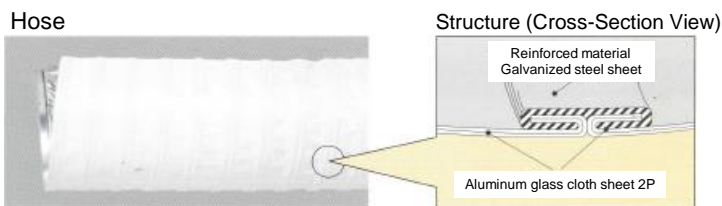
- Heat resistant flexible hose constructed of special laminated aluminum foil, glass-cloth and galvanized steel sheet.
- Light in weight, excels in flame and heat resistance.
- Continuous usable temperature is about 180 °C or lower.
- Special aluminum and glass cloth sheet which is used as a material is Class 1 Fire-Proof Material prescribed in JIS A1322.
- Although using galvanized steel sheet as a reinforced material, it complies with RoHS.

**Note:** Excels in flexibility but is not suited for repeated flexing.

**Note:** Not suited for applications requiring air-tightness.

### Applications

- Suited for air conditioning, and air conveying and exhaust for hot air generation & circulation system.



Sizes and properties (AG-□)

Nominal Dia. (φ)	I.D. (mm)	O.D. (mm)	Pitch (mm)	Working Pressure (20°C) MPa or less/ [kgf/cm <sup>2</sup> or less]	Allowable Reduced Pressure (20°C) KPa or less/ [mmHg or less]	Bending Radius (mm or more)	Ref. Weight (g/m)	Std. Length (m)
50	50.8±1.0	55.3	20.0	0.032 [0.33]	-17.0 [-130]	60	365	5
65	65.5±1.0	70.5	20.0	0.029 [0.30]	-17.0 [-130]	70	470	
75	75.5±1.0	80.5	20.0	0.025 [0.25]	-15.0 [-115]	80	525	
90	91.0±1.0	96.0	24.0	0.020 [0.20]	-13.0 [-100]	95	560	
100	101.5±1.5	106.0	24.0	0.020 [0.20]	-13.0 [-100]	105	630	
125	126.0±1.5	131.0	24.0	0.018 [0.18]	-13.0 [-100]	125	780	
150	152.0±1.5	157.0	24.0	0.015 [0.15]	-9.0 [-70]	150	930	
(175)	177.0±2.0	182.0	24.0	0.013 [0.13]	-8.0 [-62]	175	1,110	
200	202.0±2.0	207.0	24.0	0.010 [0.10]	-6.0 [-45]	200	1,210	
250	253.5±2.5	258.5	24.0	0.008 [0.08]	-3.0 [-23]	255	1,580	
(275)	278.0±2.5	283.5	24.0	0.006 [0.06]	-3.0 [-23]	280	1,730	
300	304.0±3.0	309.5	24.0	0.005 [0.05]	-3.0 [-23]	305	1,840	

( ) are custom-made products.

Nipple for connecting with steel pipe or two hoses connecting is also available. Please refer to P53.