

# FLEXIBLE HOSE



## FLEXIBLE METAL HOSE WITH/WITHOUT BRAIDING



Flexible metal hoses are high resistant to temperature and pressure, easy to install because of flexible design and has longer life time because of its resistance to corrosion. Flexible metal hoses can be preferred rather than rigid piping because of easily bending, so can be saved extra material and labor cost.

It is safe to use where vibration and hard liquids because of its flexible form and stainless steel material. Flexible metal hoses can be reinforced by using extra braiding to ensure to work in high pressure and temperature.

Braided metal hoses is being used for connection where there is a high temperature and high pressure in the system. Depends on flow media, pressure, connection type and amount of movement; the number of convolution, the number of wires and braiding is selected.

### MATERIAL

**HOSE:** Stainless Steel, AISI 316L, AISI 321, AISI 304

**BRAIDING:** Stainless Steel, AISI 304

**FITTINGS:** Carbon Steel (Stainless Steel is also available)

**CONNECTION TYPES:** Fixed Flanged, Floating Flanged, Male, Female, Butt Welded

### DIMENSION

DN10(3/8")-DN200(8")

### APPLICATIONS

For transferring all type of flow media

Natural Gas

Steam

HVAC applications

LNG and cryogenic applications

Fan Coil

Boiler connections

Chemical and petrochemical applications

Marine applications

Food and Beverage

## TECHNICAL SPECIFICATIONS FOR BRAIDED HOSES

### VA350

SIZE		ID	OD	NO OF CONV	WEIGHT	BENDING RADIUS		WORKING PRESSURE	TEST PRESSURE
NB	MM	MM	MM	ADET-PC	KGS	STATIC	FLEXING	KG/CM2	KG/CM2
3/8"	10	10,3	15,4	385	0,192	40	150	90	135
1/2"	12	12,2	17,8	322	0,216	50	200	80	120
5/8"	16	16,2	22,8	278	0,387	50	200	70	105
3/4"	20	20,2	28	278	0,494	70	200	64	96
1"	25	25,4	33,7	270	0,616	90	200	50	75
1-1/4"	32	34,3	43	270	0,847	110	250	40	60
1-1/2"	40	40,1	52,5	200	1,172	130	250	30	45
2"	50	50,3	67,2	200	1,606	175	350	28	42
2-1/2"	65	65,7	83	112	1,984	200	410	24	36
3"	80	80,3	97	97	2,154	205	450	18	27
4"	100	100,8	119	90	3,002	230	560	16	24
5"	125	125,4	152,5	72	4,887	280	660	12	18
6"	150	150,8	177,5	70	5,705	320	815	10	15
8"	200	197	228	64	9,445	435	1015	8	12

## TECHNICAL SPECIFICATIONS FOR NON-BRAIDED HOSES

### VA351

SIZE		ID	OD	PRESSURE			BEND RADIUS IN MM
NB	MM	MM	MM	WORKING PRESSURE	TESTING	BURST	
				(Kg/Cm2)	(Kg/Cm2)	(Kg/Cm2)	STATIC
3/8"	10	10,3	14,3	10	15	40	38
1/2"	12	12,2	16,7	9	13,5	36	45
5/8"	16	16,2	21,6	4	6	16	58
3/4"	20	20,2	26,8	4	6	16	70
1"	25	25,4	32,2	3,5	5,3	14	85
1 1/4"	32	34,3	41,1	2,5	3,8	10	105
1 1/2"	40	40,1	49,5	2	3	8	130
2"	50	50,3	60,3	1	1,5	4	160

## FAN COIL

**VA352**

# CONNECTION HOSES

Our exceptional and internationally recognized expertise enables us to offer our customers high quality Flexible Metal Hose and outstanding services adapted to their needs.

**VANTEC** fan-coil connection hose is a highly flexible structured. It may be produced with or without braiding and insulation.

**VANTEC** Fan-coil hose which has a great service life provides easy, quick and safe connections and prevents the vibration and noise by its flexible structure.

The insulation and the welding protection cover applied on the insulation help to sort problems may be caused by wrong earthing.

### Hose Type:

Standard corrugated metal hose acc. to DIN EN ISO 10380

### Hose Material:

Stainless Steel AISI 316L  
AISI 321 ,304 also available upon request

### Braiding Material:

Stainless Steel AISI 304

### Temperature Range:

Min. -270 °C up to max. 600 °C

### Fittings Materials:

Carbon Steel St.37.2/Stainless Steel



Rubber based EPDM insulation. Insulated is provided to prevent sweating that may be exist in the heating and cooling systems. Correct insulation selection is suggested for long service life and high efficiency as a result of preventing heat loses through hose assemblies.

### Application areas includes:

Fan-Coil Applications, Heating, Air Conditioning Chemical and Petrochemical, Oil & gas processing and Food applications.

## INSULATION

Vantec Fan-coil hoses may be provided with insulation in order to prevent sweating in the heating and cooling systems. Insulation is recommended for long life and high efficiency as a result of preventing heat losses through hose assemblies. VANTEC offers Rubber EPDM for insulation material.

**Hose:**

Stainless Steel, AISI 316L, AISI 321, AISI 304

**Braiding:**

Stainless Steel, AISI 304

**Fittings:**

Carbon Steel, Stainless Steel, Cooper

**Pressure:**

Up to 200 Bar – Braided & up to 24 Bar Non-Braided hoses

**Flexible metal hoses are highly resistant to temperature and pressure, easy to install because of flexible design and has longer life time because of its resistance to corrosion.**

Fan –Coil hoses can be preferred rather than rigid piping because of easily bending, so can be saved extra material and labor cost.

It is safe to use where vibration and hard liquids because of its flexible form and stainless steel material.

Fan-Coil hoses can be reinforced by using extra braiding to ensure to work in high pressure and temperature.

Extra insulation can be used for preventing heat loss.



## CONNECTION: FEMALE X MALE