



FL SS BRAIDED / NON-BRAIDED HOSE



FL-W1 Type



FL-W2 Type



FL-N Type



FL-Z Type

Application

FL Hoses are ideal for vibration isolators connecting to fan coil units, air handling units, etc as an alternative to traditional rubber flexible connectors with achieving higher reliability and longer service lifetime. They are used for absorbing large amounts of axial, angular and lateral movement, compensating large amounts of misalignments in low pressure pipelines.

Description

FL Hoses consist of corrugated SS tube as the main body, SS braid as the outer reinforcing layer, and connecting joints. Joints are available with BSP, NPT, PT threaded male or female adaptors. The length can be customized as per requirements. SS 304 are used as standard, other materials are available.



Operation Conditions

Conditions	Model	I	II	III	IV	V
Operating Pressure Mpa ( Bar )		2.5(25)	2.0(20)	1.6(16)	1.0(10)	0.6(6)
Burst Pressure Mpa ( Bar )		3.75(37.5)	3.0(30)	2.4(24)	1.5(15)	0.9(9)
Vacuum Rating Kpa ( mmHg )		7.5(75)	6.0(60)	4.8(48)	3.0(30)	1.8(18)
Applicable Temperature ( Deg C )		-60 ~ 300				
Applicable Fluid		Cold water, hot water, seawater, weak acids, alkalies, compressed air, etc.				

Operation Conditions

Size DN		Working Pressure ( Mpa )	Length ( mm )	Axial Compression ( mm )	Axial Elongation ( mm )	Lateral Movement ( mm )	Angular Deflection ( A1+a2 )
( mm )	( Inch )						
15	1 / 2	0.6 ~ 2.5	300	10	10	25	60°
20	3 / 4	0.6 ~ 2.5	300	10	10	25	60°
25	1	0.6 ~ 2.5	300	10	10	25	60°
32	1(1/4)	0.6 ~ 2.5	300	10	10	25	60°
40	1(1/2)	0.6 ~ 2.5	300	12	12	25	60°
50	2	0.6 ~ 2.5	300	12	12	25	60°