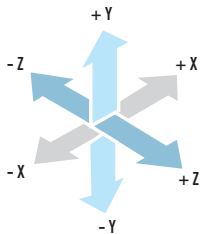


FM Code	Product Code	Definition
KYSVF	V100-FFM	V-Flex Omega Loop Expansion Joint Flanged ±50mm Expansion
KYSVF	V200-FFM	V-Flex Omega Loop Expansion Joint Flanged ±100mm Expansion

**GENERAL**

V-Flex expansion joints are intermediate parts used to dampen unexpected random dynamic loads that may come from the ground in seismic zones where seismic motion may be intense, to take stress on the line and to ensure the smooth operation of the system. They ensure the continuity of the line by protecting the boiler, chiller, fan coil units and fire sprinkler system by countering possible movements in any direction with the building.

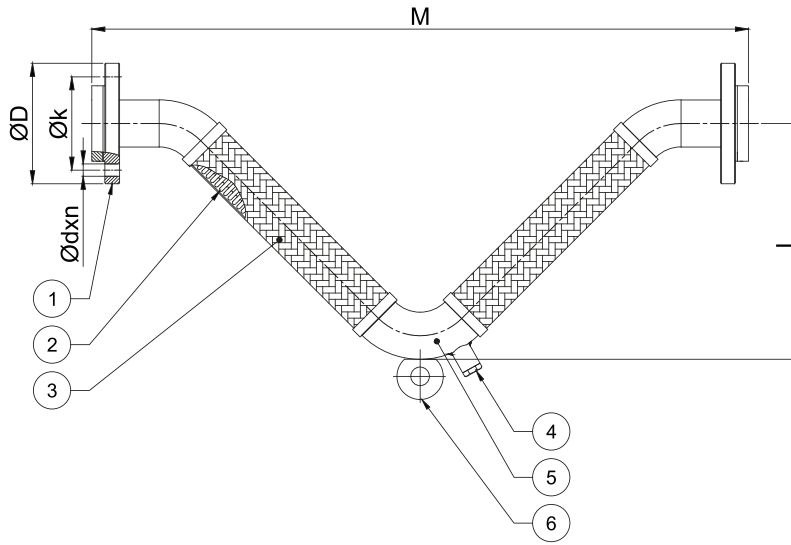
KAYSE Omega Type V-Flex omega loop expansion joints with FM Approved certificate eliminate breakage, cracking and crashes in the line, and ensure the continuity of fire, water and gas line in earthquake or building collapses.



Standard Product Materials		Optional Product Materials	
Hose	1.4301 (AISI 304)	1.4541 (AISI 321)	
Braid	1.4301 (AISI 304)	1.4301 (AISI 304)	
Flanges	1.0038 (St 37-2)	Stainless Steel	
Elbows	1.0038 (St 37-2)	Stainless Steel	

Design Parameters	
Design Pressure	250 psi
Design Temperature	+20°C (-90°C...+550°C)
Diameters	DN25 (1")...DN250 (10")
Movements	100mm (±50) / 200mm (±100)
Standards	EN, ANSI
Certifications	FM Approved - CE Module H (Optional)

\*\*Please contact our sales team for your special requests.



Part Number	Specifications	
	Name	Material
1	Flange	1.0038 (S235JR / St37-2)
2	Flex Metal Hose	1.4301 (AISI 304)
3	Braid	1.4301 (AISI 304)
4	Drain Plug	1.0038 (S235JR / St37-2)
5	90° Elbow	1.0038 (S235JR / St37-2)
6	Fixing Part	1.0038 (S235JR / St37-2)

Diameters		KYSVF				ØD (mm)	Øk (mm)	Ød x n (mm)
		V100-FFM		V200-FFM				
		X, Y, Z: ±50mm		X, Y, Z: ±100mm				
		M (mm)	L (mm)	M (mm)	L (mm)			
DN25	1"	609	239	761	315	115	85	14*4
DN32	1 1/4"	676	264	854	353	140	100	18*4
DN40	1 1/2"	800	321	966	404	150	110	18*4
DN50	2"	868	340	1097	455	165	125	18*4
DN65	2 1/2"	1044	410	1283	530	185	145	18*4
DN80	3"	1262	505	1428	588	200	160	18*8
DN100	4"	1392	536	1570	625	220	180	18*8
DN125	5"	1695	663	1733	682	250	210	18*8
DN150	6"	1894	746	2022	810	285	240	22*8
DN200	8"	2168	835	2358	930	340	295	22*12
DN250	10"	2541	986	2683	1056	405	355	26*12

\*\* X,Y,Z value represents axial, lateral, angular movements. Please contact our technical department for different movement requirements.

\*\* Flange diameters are according to PN16 pressure class.