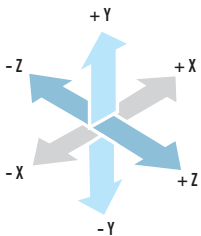


FM Code	Product Code	Definition
KYSUF	U100 - FFM	U-Flex Omega Loop Expansion Joint Flanged ± 50 mm Expansion
KYSUF	U200 - FFM	U-Flex Omega Loop Expansion Joint Flanged ± 100 mm Expansion

GENERAL

U-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.

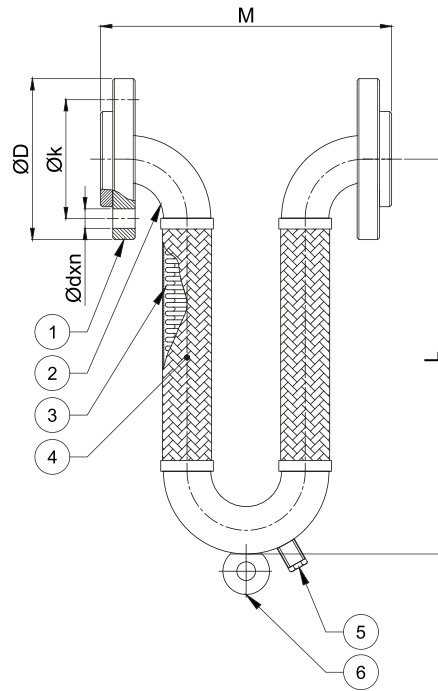
KAYSE Omega Type U-Flex omega loop expansion joints with FM Approved certificate eliminate breakage, cracking and crashes in the line, and ensure the continuity of fire, water and gas line in earthquake or building collapses.



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	175 psi (Up to 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	90° Elbow	1.0038 (S235JR / St37-2)
3	Flex Metal Hose	1.4301 (AISI 304)
4	Braid	1.4301 (AISI 304)
5	Drain Plug	1.0038 (S235JR / St37-2)
6	Fixing Part	1.0038 (S235JR / St37-2)

Diameters		KYSUF				ØD (mm)	Øk (mm)	Ød x n (mm)
		U100-FFM		U200-FFM				
		X, Y, Z: ±50mm		X, Y, Z: ±100mm				
		M (mm)	L (mm)	M (mm)	L (mm)			
DN25	1"	254	375	254	500	115	85	14*4
DN32	1 1/4"	302	400	302	525	140	100	18*4
DN40	1 1/2"	340	425	340	575	140	110	18*4
DN50	2"	426	475	426	625	165	125	18*4
DN65	2 1/2"	522	525	522	700	185	145	18*4
DN80	3"	610	575	610	750	200	160	18*8
DN100	4"	792	700	792	875	220	180	18*8
DN125	5"	954	800	954	1000	250	210	18*8
DN150	6"	1106	925	1106	1150	285	240	22*8
DN200	8"	1432	1200	1432	1450	340	295	22*12
DN250	10"	1760	1702	1760	1981	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.