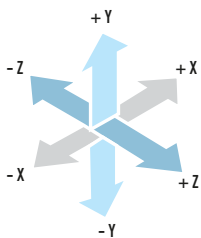


FM Code	Product Code	Definition
KYSUY	U100- YVFM	U-Flex Omega Loop Expansion Joint Grooved ±50mm Expansion
KYSUY	U200- YVFM	U-Flex Omega Loop Expansion Joint Grooved ±100mm Expansion

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.

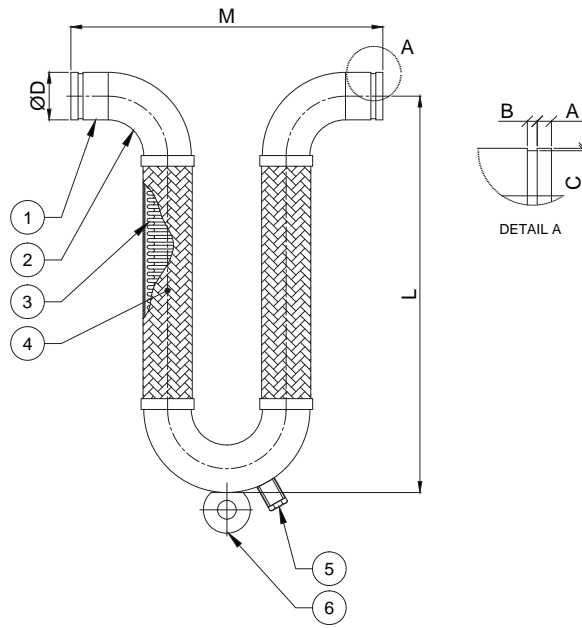
KAYSE Omega Type U-Flex omega loop expansion joints with FM Approved certificate eliminate breakage, cracking and crashes in the line, and ensure the continuity of fire, water and gas line in earthquake or building collapses.



Standard Product Materials		Optional Product Materials
Hose	1.4301 (AISI 304)	1.4541 (AISI 321)
Braid	1.4301 (AISI 304)	1.4301 (AISI 304)
Grooved Connections	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	Grooved Connections	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		KYSUY				A (mm)	B (mm)	C (mm)	ØD (mm)
		U100-YVFM		U200-YVFM					
		X, Y, Z: ±50mm		X, Y, Z: ±100mm					
		M (mm)	L (mm)	M (mm)	L (mm)				
DN25	1"	242	375	242	500	15,8	7,1	1,6	33,7
DN32	1 1/4"	290	400	290	525	15,8	7,1	1,6	42,4
DN40	1 1/2"	328	425	328	575	15,8	7,1	1,6	48,3
DN50	2"	414	475	414	625	15,8	8,7	1,6	60,3
DN65	2 1/2"	510	525	510	700	15,8	8,7	1,9	76,1
DN80	3"	598	575	598	750	15,8	8,7	1,9	88,9
DN100	4"	780	700	780	875	15,8	8,7	2,1	114,3
DN125	5"	942	800	942	1000	15,8	8,7	2,1	139,7
DN150	6"	1094	925	1094	1150	15,8	8,7	2,1	168,3
DN200	8"	1420	1200	1420	1450	19,0	11,9	2,3	219,1
DN250	10"	1724	1702	1724	1981	19,0	11,9	2,3	273

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