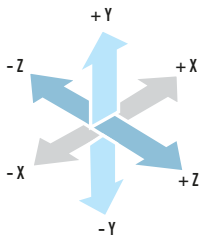


FM Code	Product Code	Definition
KYSUKB	U100-KBFM	U-Flex Omega Loop Expansion Joint Welding Ends ±50mm Expansion
KYSUKB	U200-KBFM	U-Flex Omega Loop Expansion Joint Welding Ends ±100mm Expansion

**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.

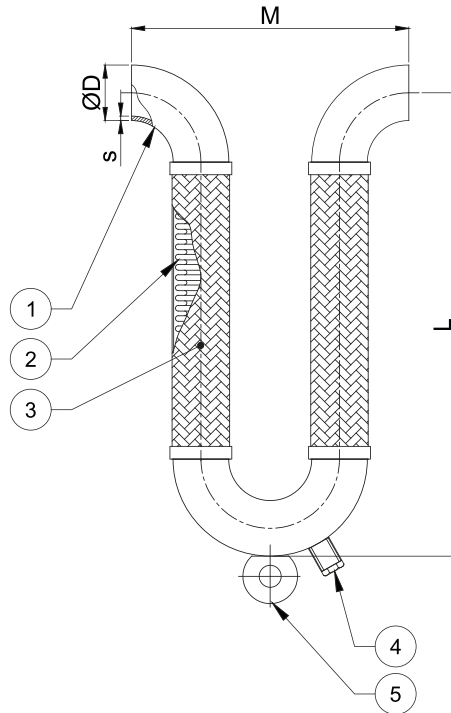
KAYSE Omega Type U-Flex omega loop expansion joints with FM Approved certificate eliminate breakage, cracking and crashes in the line, and ensure the continuity of fire, water and gas line in earthquake or building collapses.



Standard Product Materials		Optional Product Materials
Hose	1.4301 (AISI 304)	1.4541 (AISI 321)
Braid	1.4301 (AISI 304)	1.4301 (AISI 304)
Welding Ends	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	90° Patent Elbow	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	Fixing Part	1.0038 (S235JR / St37-2)

Diameters		KYSUKB				ØD (mm)	s (mm)
		U100-KBFM		U200-KBFM			
		X, Y, Z: ±50mm		X, Y, Z: ±100mm			
		M (mm)	L (mm)	M (mm)	L (mm)		
DN25	1"	152	375	152	500	33,7	2,6
DN32	1 1/4"	190	400	190	525	42,4	2,6
DN40	1 1/2"	228	425	228	575	48,3	2,6
DN50	2"	304	475	304	625	60,3	2,9
DN65	2 1/2"	380	525	380	700	76,1	2,9
DN80	3"	458	575	458	750	88,9	3,2
DN100	4"	610	700	610	875	114,3	3,6
DN125	5"	762	800	762	1000	139,7	4
DN150	6"	914	925	914	1150	168,3	4,5
DN200	8"	1220	1200	1220	1450	219,1	5,9
DN250	10"	1524	1702	1524	1981	273	6,3

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