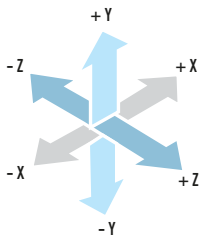


FM Code	Product Code	Definition
KYSUD	U100-DFM	U-Flex Omega Loop Expansion Joint Threaded ±50mm Expansion
KYSUD	U200-DFM	U-Flex Omega Loop Expansion Joint Threaded ±100mm Expansion

**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.

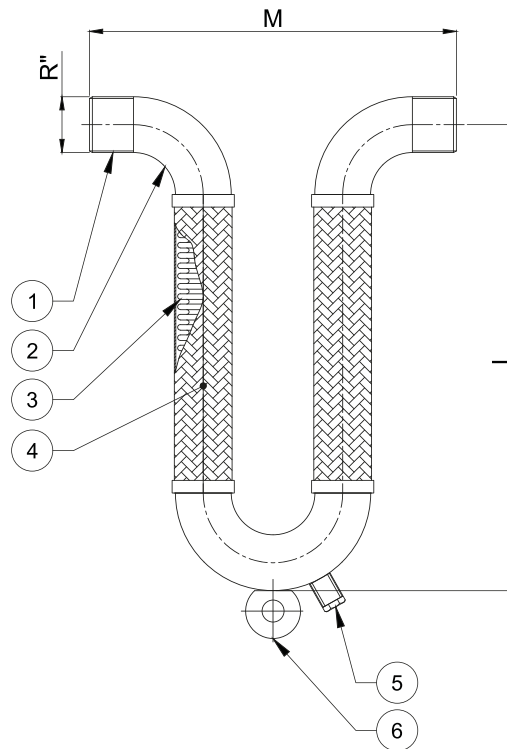
KAYSE Omega Type U-Flex omega loop expansion joints with FM Approved certificate eliminate breakage, cracking and crashes in the line, and ensure the continuity of fire, water and gas line in earthquake or building collapses.



Standard Product Materials		Optional Product Materials
Hose	1.4301 (AISI 304)	1.4541 (AISI 321)
Braid	1.4301 (AISI 304)	1.4301 (AISI 304)
Threaded 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	Threaded Connection	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	KYSUD			
	U100-DFM		U200-DFM	
	X, Y, Z: ±50mm		X, Y, Z: ±100mm	
	M (mm)	L (mm)	M (mm)	L (mm)
1"	242	375	242	500
1 1/4"	290	400	290	525
1 1/2"	328	425	328	575
2"	414	475	414	625
2 1/2"	510	525	510	700
3"	598	575	598	750
4"	780	700	780	875

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