



SEISMIC ISOLATION EXPANSION JOINT

GENERAL FEATURES

Ayvaz seismic isolation expansion joints prevents the pipeline damage by absorbing very high amount of movements (X, Y, Z directions) in all directions such as earthquake and collapse. Its flexible and mobile structure eliminates the stress of rigid pipe systems. The bellows are designed and manufactured according to EJMA standards.

Ayvaz seismic isolation compensators are formed by combining classical gimbal compensators and external pressure axial compensator. Thus, it absorbs the bigger lateral an axially movements than classic expansion joints.

The expansion joint has lateral movement capability in all directions thanks to the gimbals placed at both ends. The external pressure bellow system absorbs very high axial movements. These bellows systems prevent the risk of buckling due to pressure load.

Material Products:

Stainless steel in accordance with DIN17440; The fittings can be produced in stainless steel or carbon steel.

Design:

Bellow: EJMA 10th Edition

General Expansion Joint Design: EN 14917

Connection:

Rotary flange, Fixed flange, Welding neck, Grooved, Thread

Nominal Diameter:

DN25 (1") – DN5000 (200")

Pressure Values:

Seismic Isolation Compensator is produced in standard 175PSI / 250PSI pressure classes and special designs can be made for higher pressure classes. The operating pressure depends on the nominal diameter and the operating temperature.

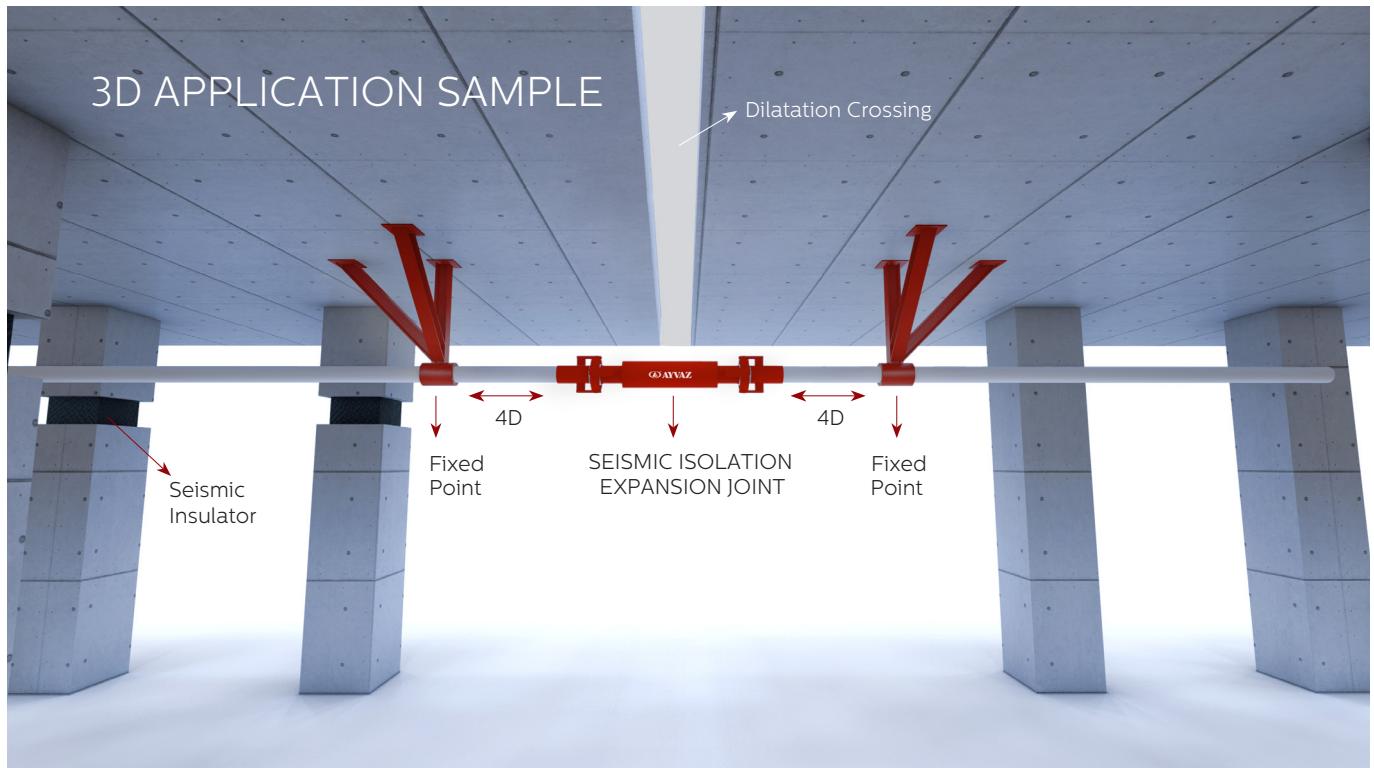
Temperature Range:

From -196 °C to 600 °C depending on material selection.

Application:

Seismic isolation expansion joints can be used in fire, heating-cooling, sanitary installation, steam installation, medical gas etc., if the building has seismic (earthquake) insulator.

SEISMIC ISOLATION EXPANSION JOINT



D: Pipe Diameter (cm)

Fixed Point Load Calculation:

Due to the axial movement capacity of the insulation type seismic expansion joint, the fixed points must be made to withstand the forces caused by the system pressure and the amount of movement.

Contact our sales team for detailed information.



HEAD OFFICE - FACTORY

Atatürk Sanayi Bölgesi Hadimköy Mahallesi Mustafa İnan Caddesi No: 44 Arnavutköy - İSTANBUL
Tel: +90 212 771 01 45 (pbx) | Fax: +90 212 771 47 27
info@ayvaz.com | www.ayvaz.com

Cona
Caserta/Italy
Tel: +39 0823 187 3988
rmolaro@ayvaz.com

Ayvaz Russia
Moscow/Russia
Tel: +74959951728
ayvazrus@ayvaz.com

Ayvaz Germany
Vierneheim/Germany
Tel: +49 62046014399
germany@ayvaz.com

Ayvaz Ukraine
Kiev/Ukraine
Tel: +380 44 390 57 57
info@ayvaz.com.ua

Tricorr
Warsaw/Poland
Tel: +48-32-783-295-1
tricorr@tricorr.eu

Ayvaz Bakü
Bakü/Azerbaijan
Tel: +99(455) 579-84-32
ahayatov@ayvaz.com

Haci Ayvaz M.E.
Dubai/U.A.E
Tel: +971 563550822
+971 501306871
mideast@ayvaz.com

Ayvaz China
Cixi City/China
Tel: +86 0574 5897 3851
info@ayvazchina.com

Ayvaz Kazakhstan LLP
Almaty/Kazakhstan
Tel: +7 (727) 327 97 57
info_kz@ayvaz.com
www.ayvaz.kz

Ayvaz N
Isperih/Bulgaria
Tel: +359 8431 27 32
office@ayvaz-n.eu

Ayvaz Serbia
Belgrad/Serbia
Tel: +381 61 658 70 52
yakbiyik@ayvaz.com