



# EASYFLEX

VIBRATION CONTROL FOR PUMPS



**Easyflex supports you to design and fabricate solutions for installation and commissioning of Pumps used for different applications.**

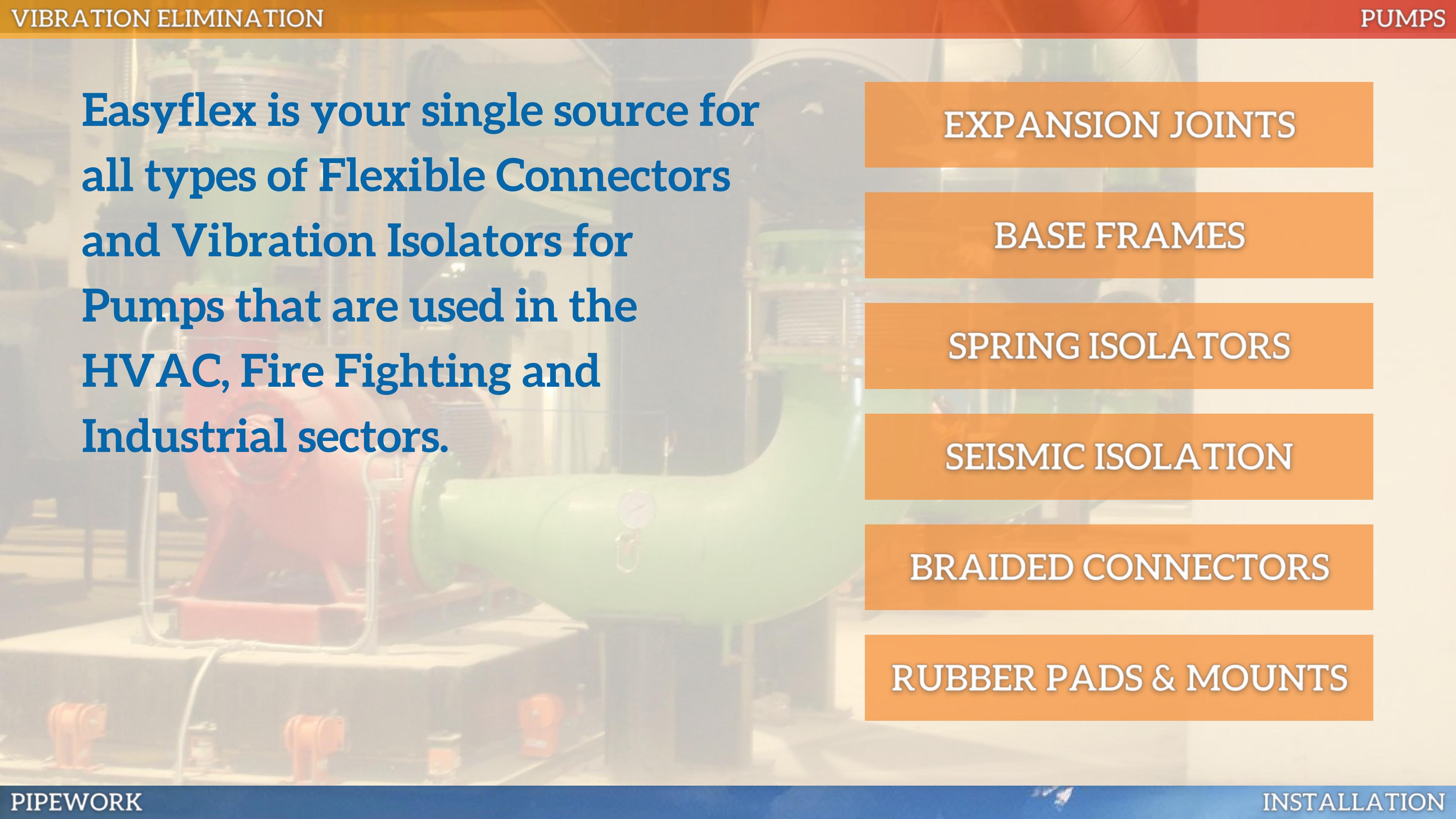
**CHILLED WATER PUMPS**

**CONDENSER PUMPS**

**DIESEL ENGINE PUMPS**

**CENTRIFUGAL PUMPS**

**SLURRY PUMPS**



**Easyflex is your single source for  
all types of Flexible Connectors  
and Vibration Isolators for  
Pumps that are used in the  
HVAC, Fire Fighting and  
Industrial sectors.**

EXPANSION JOINTS

BASE FRAMES

SPRING ISOLATORS

SEISMIC ISOLATION

BRAIDED CONNECTORS

RUBBER PADS & MOUNTS

# EXPANSION JOINTS & SEISMIC ISOLATION

Chilled Water Pumps are fitted with expansion joints at the Suction & Discharge to eliminate Water Hammer and compensate for Thermal expansion and contraction of piping.

Installed on top of an Inertia Base Frame (floating foundation) with Seismic Isolators and Snubbers to eliminate transmission of vibration to the structure.



VIBRATION ELIMINATION  
EXPANSION JOINTS | SEISMIC ISOLATION

# EXPANSION JOINTS

The Manufacturing process of Easyflex Expansion joints are in compliance with the **Expansion Joints Manufacturer's Association (EJMA)** and **Fluid Sealing Association (FSA)**.

Our In-house Validation and Software tools assist in the design and selection process according to application.



**FLUIDSEALING**

ASSOCIATION

PIPEWORK



PUMPS



Rubber Expansion Joints 900NB designed and engineered for KSB Cooling Water Pumps

# EXPANSION JOINTS

Chilled Water Pumps fitted with **Easyflex Rubber Expansion Joints** (Single Arch) complete with Split Retaining Rings, Control Units and Tie Rod Assembly.

Several Parameters in consideration for selection of design and materials of construction

- **Application**
- **Design Temperature**
- **Design Pressure**
- **Flowing Medium**
- **Desired Movement Capability of the Flexible Element**

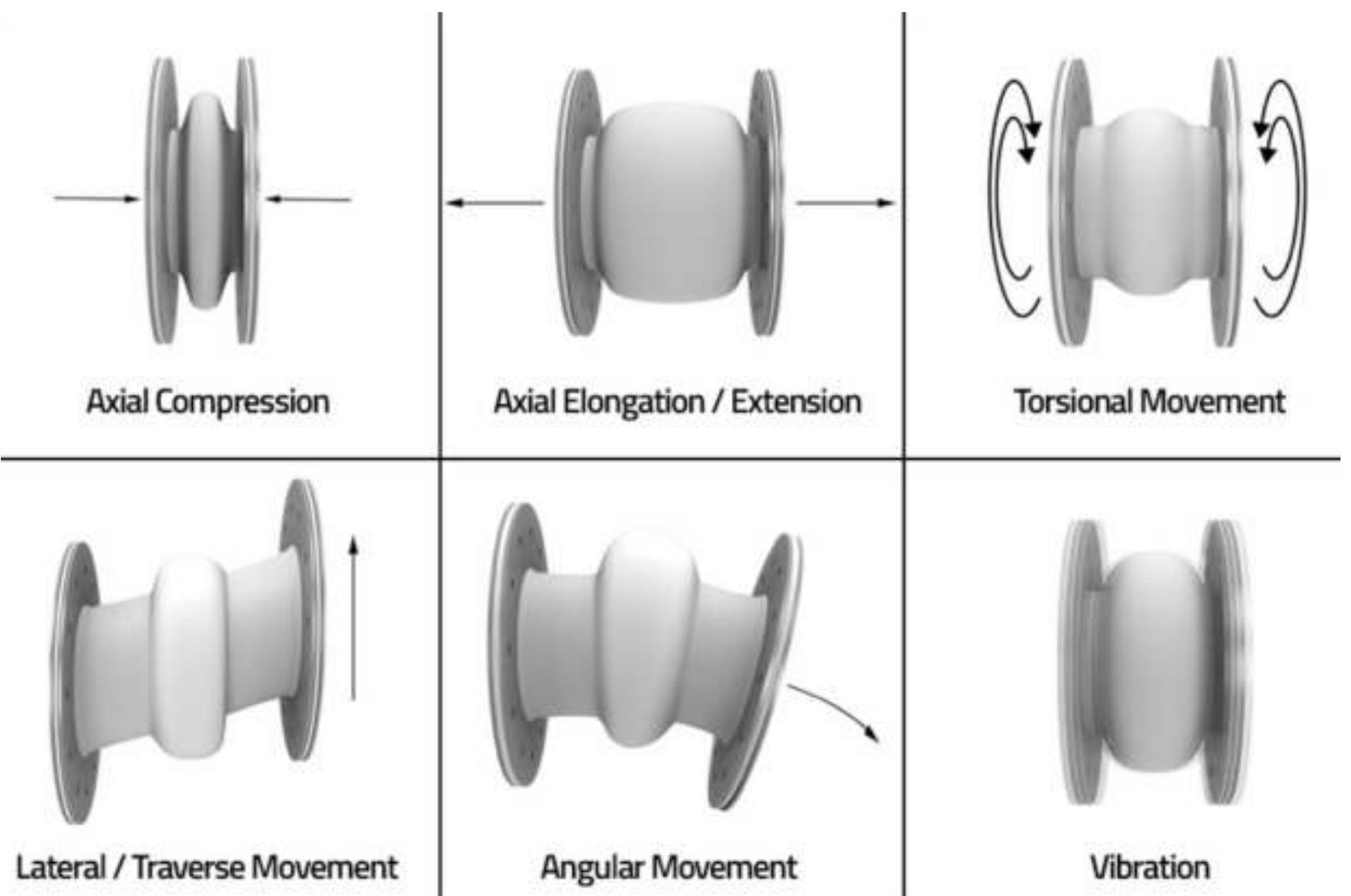


Rubber Expansion Joints installed at Pump Room of an International Airport

# EXPANSION JOINTS

Slurry Pumps fitted with **Easyflex Rubber Expansion Joints (Floating Flange Type)** complete with Control Units and Tie Rod Assembly.

Cooling Water Pumps are also major applications at Power Plants which are also fitted with Rubber expansion joints at the suction & discharge.



# INERTIA BASE FRAMES

Sumer Singh  
● Active

Logout

General

Dashboard

Selection Tools

Equipment

Customer

Projects

## Easyflex

### Inertia Base selection Tool

#### Selection Tool

Inertia base Type: EFIB + EFOS | Pump Make: Select | Pump Model: Select

Tag Number:  | Factor:  | Quantity:  in Nos

Deflection: 25 mm | Calculate

#### Inertia Base 3D Model



EASYFLEX INERTIA BASE SELECTION SOFTWARE

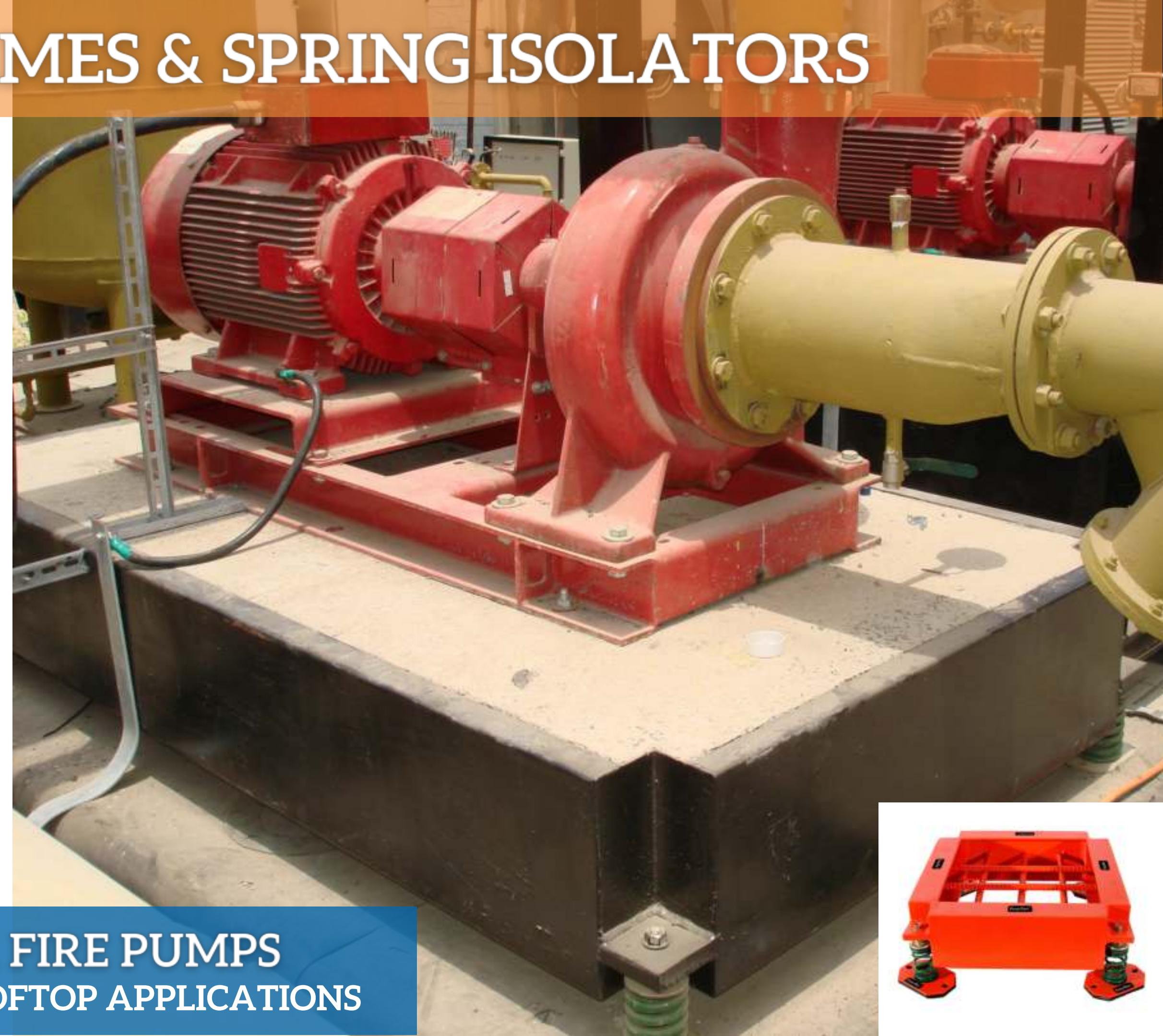
250+ PUMPS DATABASE | INSTANT SELECTION | INERTIA BASE & VIBRATION ISOLATION DESIGN REPORT

# INERTIA BASE FRAMES & SPRING ISOLATORS

Poured with **Concrete** and supported by **Noise & Vibration Isolators**, **Easyflex Inertia Base Frames** are floating foundations for **Pumps** and are totally isolated from the structure due to Air Gap.

## Easyflex Inertia Base Design Report

- Base Design Dimensions, Weights & Inertia
- Estimated Deflections
- Vibration Isolation Efficiency Calculation



VIBRATION ISOLATION FOR FIRE PUMPS  
INERTIA BASE | SPRING MOUNTS | ROOFTOP APPLICATIONS

# INERTIA BASE FRAMES & SEISMIC ISOLATORS

Easyflex Seismic Isolation Range is suitable for project specifications that require installation of equipment with seismic provisions.

Chilled Water Pumps are mounted on **Easyflex Inertia Base Frame** along with **Seismic Snubbers** and **Restrained Spring Isolators**.

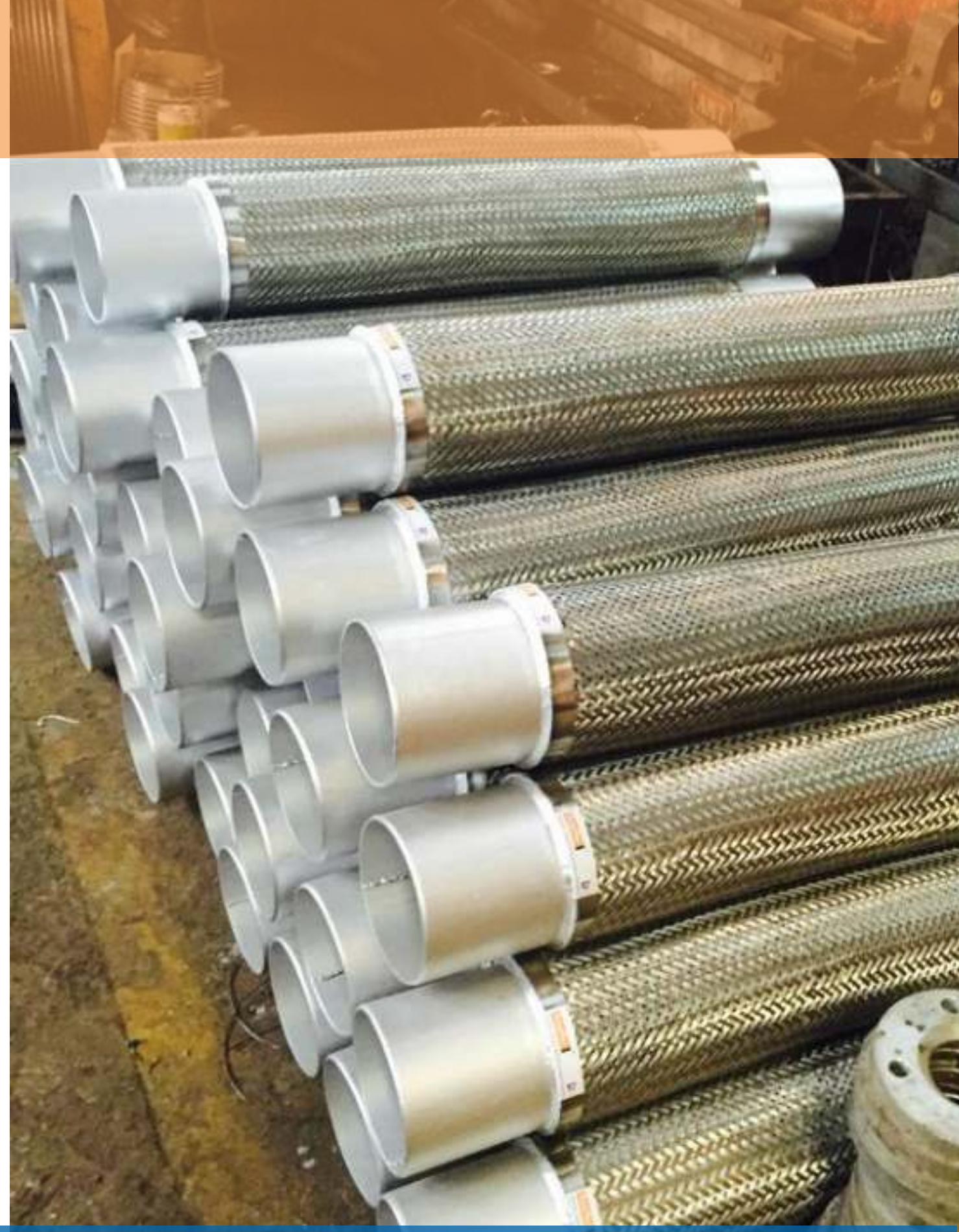


**SEISMIC ISOLATION**  
**SNUBBERS | RESTRAINED ISOLATORS**

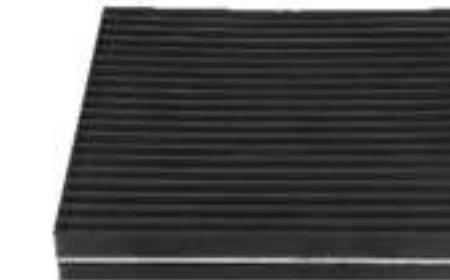
# PUMP CONNECTORS

Corrugated Metallic Hoses with Stainless Steel braiding with custom end fittings are fabricated as Flexible Connections for

- Pumps
- Fan Coil Units
- Air Handling Units
- Steam Generation



**FLEXIBLE BRAIDED CONNECTIONS**  
**SS304/316/321 | SINGLE / DOUBLE BRAIDING**

**Round Mount****Neoprene Grommet Mount****Cork Sandwich Pad****EASY MOUNT****Waffle Pad****Ribbed Mounting Pad****Metal Sandwich Pad****TURRET MOUNT**



Expansion Joints & Braided Connectors for associated piping of Pumps

Inertia Base Frames with Vibration & Seismic Isolators

Rubber Based Anti Vibration Mounts & Pads

Easyflex