

## Bibby Turboflex



### G-Flex - Grid Couplings

#### Product Feature

- Torque range up to 1,500,000 in.lb. (169 kNm)
- Easy to assemble/replace
- Part-for-part interchangeable with industry standard tapered grid coupling designs
- Coupling sizes 1020 through 1140 in-stock in a range of standard bore sizes
- Shot-peened tapered grid flex element for long life

### Pin & Bush Couplings

#### Product Feature

- Up to 96 kNm; 548 in.lbs.
- Vertical or horizontal operation
- 80 or 90 shore hardness close fitting flexible elements
- Steel or cast iron hubs
- Brake drum or disc available as well as special designs
- Simple Assembly
- Parallel or Taper bore options

### Series III - Gear Couplings

#### Product Feature

- Up to 147 kNm; 1,300,000 in.lb.
- Fully-crowned gear teeth provide maximum contact at the strongest part of the tooth.
- Models available for use on vertical and/or horizontal shafts
- Bore capacity up to 645 mm
- High torque to weight ratio
- Half per half interchangeability with other gear couplings manufactured to AGMA standards
- Single, Double and Rigid designs available
- $\pm 3/4^\circ$  angular misalignment capacity per gear mesh

- Torque ratings at full misalignment-in excess of normal requirements for average applications
- Accurately machined medium carbon steel hubs and Sleeves
- Positive-type O-ring seals keep lubricant in and contaminants out
- Seals enshrouded to prevent damage



Flex-A-Seal a leading manufacturer of custom engineered mechanical seals, welded metal bellows and the world's only patented split cartridge mechanical seal.

WELDED METAL BELLOWS



SINGLE CARTRIDGE



SINGLE CARTRIDGE MULTIPLE SEAL



DOUBLE CARTRIDGE SEAL



HEAVY DUTY SLURRY SEAL

### Turboflex High Speed Couplings

Turboflex High Speed Couplings is capable of transmitting high torques at high speeds whilst accepting considerable levels of angular, radial, and axial misalignment.

Standard units are compliant with API 671 and ATEX Certified



### Turboflex High Performance Couplings

These torsionally stiff, light weight couplings are capable of transmitting high torques at high speeds while tolerating significant levels of angular, radial, and axial misalignment. Easy to install and suited for adverse conditions, it requires no lubrication and features a high torque to weight ratio.



### Turboflex Plus High Performance Disc Couplings

Two leading international flexible coupling manufacturers, Ameridrives® International and Bibby Turboflex offers a new series of high performance disc couplings designed that meet the stringent requirements of today's turbomachinery market.

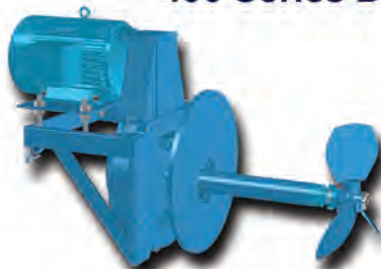


### Torsiflex Pump Couplings

Torsiflex couplings are specifically designed for the process pump and general industrial markets. Torsiflex is an all-metal disc coupling that needs no lubrication and incorporates a plug-in feature to allow installation and removal without disturbing the pump alignment.



## 400 Series Belt Drive Side-Entry Mixer



for Product Blending, Sediment Control & Tank Cleaning Applications

400 Series	420	450	480
Horsepower Range	5 - 10	15 - 30	40 - 75
Types	Fixed Angle	Fixed Angle Vari-Angle	Fixed Angle Vari-Angle



## 600 Series Gear Drive Side-Entry Mixer

600 Series	620	650	680
Horsepower Range	5 - 20	25 - 40	50 - 75
Types	Fixed Angle Vari-Angle	Fixed Angle Vari-Angle	Fixed Angle Vari-Angle



for Petroleum Applications

**PROTEGO®** offers a comprehensive line of flame arresters, valves, and tank accessories that are tailored to meet market demands.



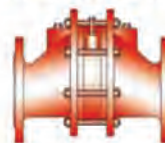
The products are installed for a wide range of applications:

- \* In tank farms for flammable liquids in industrial and military applications
- \* In chemical and pharmaceutical processing facilities
- \* In vapour combustion plants
- \* In biogas, landfill gas and wastewater treatment plants
- \* In shipbuilding; on oil platforms, and in loading and unloading facilities.

### FLAMEARRESTER



**End-of-Line Flamearrester**  
Nominal Size:  
15 to 800 mm  
(1/2" to 32")



**In-Line Flamearrester**  
Nominal Size:  
10 to 1000 mm  
(1/4" to 40")



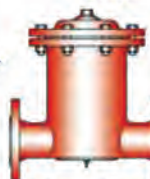
**Detonation Flamearrester**  
Nominal Size:  
15 to 800 mm  
(1/2" to 32")

### VALVES



**End-of-Line, Pressure & Vacuum Relief Valve**

PSI: 2 - 200 mbar  
Nominal Size:  
50 to 700 mm  
(2" to 28")



**In-Line, Pressure & Vacuum Relief Valve**

PSI: 2 - 500 mbar  
Nominal Size:  
25 to 300 mm  
(1" to 12")



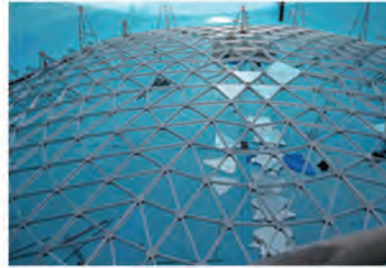
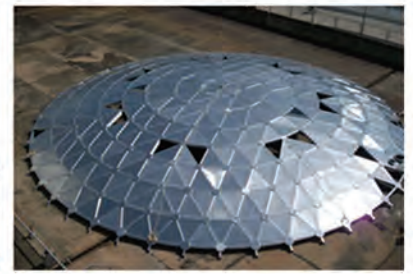
**End-of-Line, Pressure & Vacuum Relief Valve w/ Flamearrester**

PSI: 2 - 200 mbar  
Nominal Size:  
50 to 300 mm  
(2" to 12")

# K-FLOAT®

## Aluminum Dome Cover

Korea Float's AL. Dome cover provides environmental efficiency, protects stored products and reduces maintenance costs. Its reputation is built on its economic budget, light weight, and simple installation.



## Internal Floating Roof

Many companies in petroleum, petrochemical and tank terminal throughout the world have turned to Korea Float's internal floating roof for its superior design and efficiency. Its long-life cycle, excellent emission control and no maintenance cost are what it is known for worldwide. Korea Float's design and manufacturing method meets API standards and specified national codes and regulations worldwide.

### Advantage of K-float Internal Floating Roof

Meeting API 650 Appendix H Standard API MPMS Chapter 19.2 (Evaporative Loss)

- Highly efficient vapor loss prevention design
- Superior chemical resistance (100% Aromatic Protection)
- Excellent quality Seal Material
- Wide range of storage application

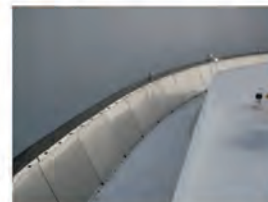
## External Floating Roof

Korea Float's External Floating Roof Seal is designed to comply with the requirement of API 630, Appendix C and environmental regulations worldwide. The space between the outer periphery of the roof and the tank shell is sealed by a flexible device that provides close contact on the shell surfaces.

### Advantages of K-float External Floating roof

Meeting API 650 Appendix C Standard

- Superior sealing capability with vapor
- Tight and weather protection
- Wide range of storage applications
- Superior chemical resistance (100% Aromatic Protection)
- Excellent resiliency, Easy to install



More than **25** years of Exceeding Expectations