

OILCO's Nuvex Series Resets the Bar in Swivel Joint Technology!



Nuvex Series I

is designed to take on loads beyond industry limits and facilitate easy main pressure seal replacement.

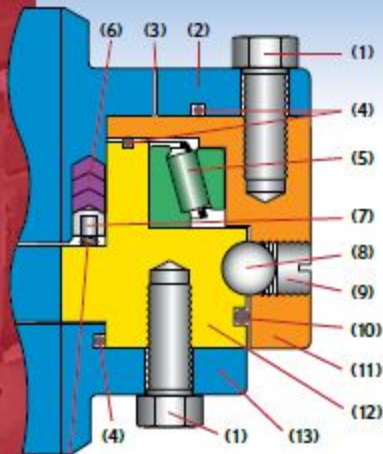
The new OILCO Nuvex Series I swivel joint marks the pinnacle of design and application achievement for the liquid transfer industry. By incorporating every proven aspect of traditional swivel joint engineering, OILCO has succeeded in developing the most complete unit, from the ground up.

The Nuvex Series I was engineered specifically to outper-

form all competition in the marketplace. OILCO has incorporated the most reliable, field tested technology into a single swivel joint that cannot not be matched in overall operational ability. Be it torque rating, rotational alignment, load carrying ability, or construction strength, the Nuvex Series I swivel joint has been carefully engineered to separate the

Nuvex Series I

- Flange Connection
- Inner Sleeve
- Cap Screw
- Upper Housing Flange
- Outer Mechanical Cartridge
- Tapered Roller Bearing
- O-Ring Seal
- Ball Bearing
- Lower Bearing Plate
- Environmental Seal
- Lower Flange



(14) The removable mechanical cartridge design allows for main seal replacement without disassembly of the working bearing components.

With precision engineering, the dimensional profile of the Nuvex Series I, offers the most concentrated technological advancement that the heavy industry has seen since the invention of the swivel joint.

- (1) Cap Screw
- (2) Swivel Joint Housing-Upper
- (3) Bleed/Inspection Port
- (4) O-Ring Seals
- (5) Tapered Roller Bearing
- (6) V-Ring Chevron Packing Seals
- (7) Teflon Spring Adapter
- (8) Ball Bearing
- (9) Ball Retainer Screw
- (10) Environmental Seal
- (11) Outer Mechanical Cartridge
- (12) Inner Mechanical Cartridge
- (13) Swivel Joint Housing-Lower
- (14) Compression Springs

product from the environment. Multiple protective seals surround the mechanical chamber while V-ring packing seals are utilized to guarantee primary in-line security.

The unique correlation of the tapered roller bearing and radial ball bearing provides a load carrying moment unsurpassed by any other unit. This unique partnership assures true alignment and maintenance of rotational geometry at all times.

Nuvex Series II

is designed to go
beyond current industry
limits in a low-weight,
low-profile slim design.

The new OILCO Nuvex Series II swivel joint, initially developed as a companion unit to the Nuvex I, was designed to offer similar load carrying characteristics in a thinner, lighter weight version. By reducing the overall profile and re-engineering the alignment of the mechanical chamber, OILCO specifically developed this sister series to provide cus-

tomers with a complete option for any heavy duty loading arm project.

The Nuvex II, with its slim construction and unparalleled load carrying capacity, can be utilized alone or in combination with the Nuvex I where intense loads may impact the riser position of any large loading assembly.

Nuvex Series II



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Drawing on the core technology engineered into the Nuvex Series I, the Nuvex Series II offers many of the same characteristics in a slimmer and less robust profile.



Since 1935, OILCO Liquid Handling Systems has been a leading designer and manufacturer of swivel joints, top and bottom loading assemblies, flexible hose assemblies, marine loaders, floating suction, vapor recovery systems, and specialty equipment. During these decades, the company has witnessed – and contributed to – the evolution of an industry. The Nuvex Series I and II continues this long tradition of excellence and establishes the newest benchmark in swivel joint technology and innovation.

For 75 years, OILCO Liquid Handling Systems has provided quality manufacturing and reliable products to a worldwide market. Extensive availability, engineering customization, and quality craftsmanship have helped OILCO achieve a reputation like no other in the industry.



The Nuvex Series I and II... Exciting New Swivel Joint Technology for the Liquid Transfer Industry!

Designed to be the backbone of the industry, OILCO Liquid Handling Systems spent over two years designing and engineering a swivel joint that handles the excessive stresses of the modern bulk transfer environment while incorporating ease of handling, safety, and technological innovation.

The Nuvex Series I was designed by geometrically mating a single row of tapered roller bearings with an over-sized radial ball bearing assembly. This relationship created a unique power transfer that allows the unit to carry more load and remain aligned properly at all times. Combined with exacting machining and tolerance standards, the break-away torque rates below all others in its class.

The Nuvex Series II was bred from the same technology base with only one variation. It was engineered to be lighter and more compact. The Nuvex II is ideal for use as a complimentary piece to the Nuvex I,

or alone in a complete loading assembly where load, alignment, and operational safety is crucial.

The entire Nuvex Series line is available in stainless steel, carbon steel and aluminum. It utilizes proven OILCO V-ring seal technology. And it can be configured to fit any application requirement.

The Nuvex Series is the future of swivel joint technology.

Nuvex Series I

- Optimal Load carrying capabilities exceeding all other swivel joints
- Removable mechanical cartridge for ease of main pressure seal replacement
- Utilizes tapered roller bearing technology to ensure proper alignment under stress
- Utilizes proven OILCO V-ring seal technology (V-ring design, spring energized, self-adjusting for normal wear)
- Combination of tapered roller bearing and radial ball bearing
- Available in 2", 3", 4" and 6" Sizes

Nuvex Series II

- Low profile secondary design
- Utilizes tapered roller bearing technology to ensure proper alignment under stress
- Reduced unit weight, increased load carrying over any conventional swivel joint
- Utilizes proven OILCO V-ring seal technology (V-ring design, spring energized, self-adjusting for normal wear)
- Combination of tapered roller bearing and radial ball bearing
- Available in 2", 3", 4" and 6" Sizes

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