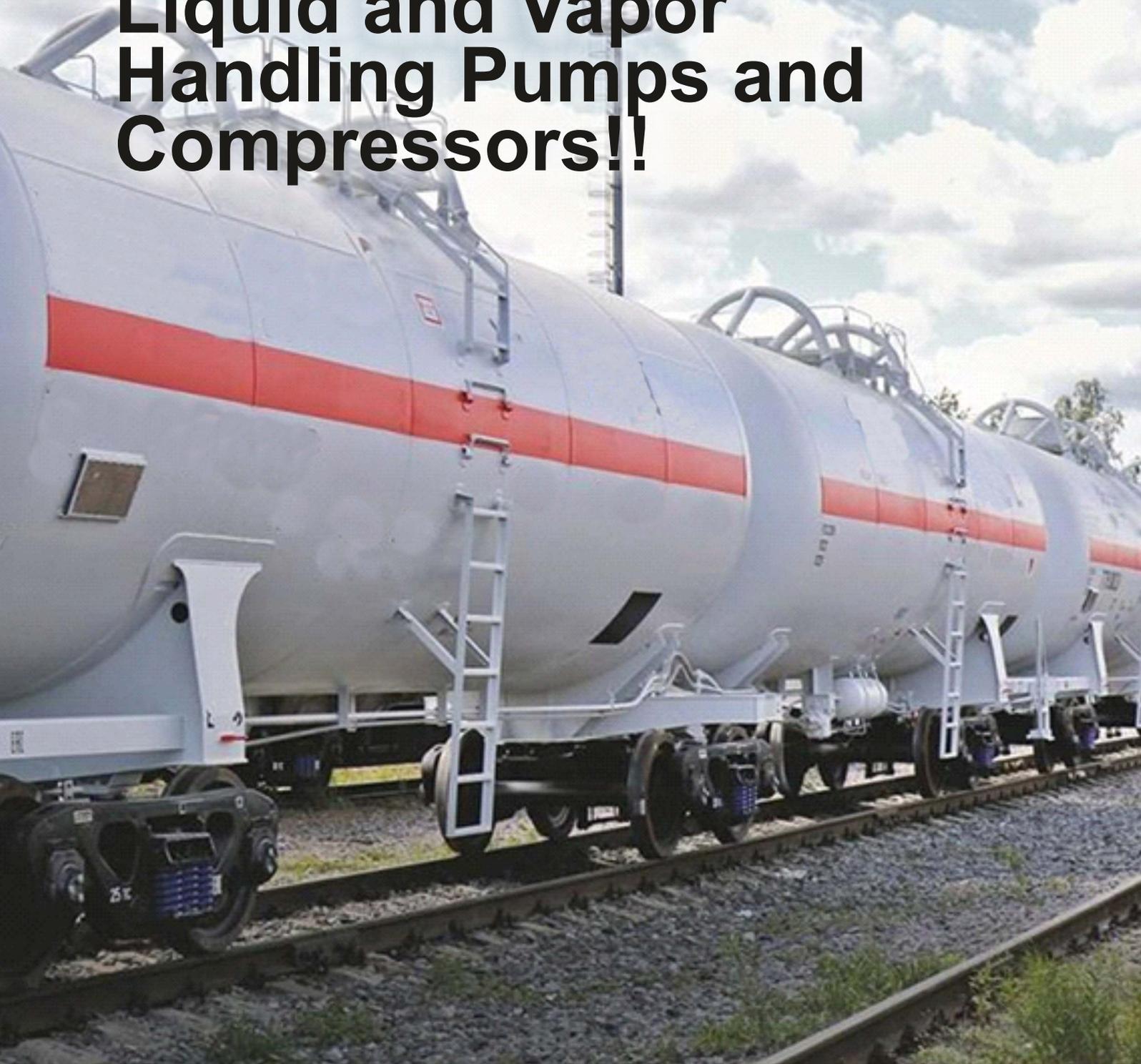


A Glimpse of CORKEN's Proven PROPYLENE Liquid and Vapor Handling Pumps and Compressors!!



Solutions beyond products...



For more information on these additional solutions, visit us at www.idexindia.in

Applications for CORKEN Products for PROPYLENE TRANSFER

- **Both Liquid Transfer and Vapor Recovery from Railcar wagons OR Road trucks OR Emergency Rescue Vehicles (ERV) to another storage:** A unique process where the compressor is used to create a pressure differential between the storage facility and the railcar. The same principle is also used for Manufacturing / reselling plants from loading tankers / rail cars.
- **Storage / Vessels / Pipelines Decommissioning:** As per safety guidelines globally, storage vessels and pipelines are periodically tested. CORKEN compressors are used for transferring propylene to another storage to avoid gas loss using the same principle as tanker / rail car unloading.
- **Process Gas Recovery:** Gas at certain pressure needs to be boosted at higher pressure to be re-used for further process in the plant after being recycled from the process reaction. Typically, Mixture is propylene with other gases, moisture, condensates, etc. depending on the reaction for which it was used with moderate to high pressure applications with moderate flow rates.
- **Tank to Tank Bulk Liquid Transfer:** Pumps are used for bulk liquid unloading / transfer in cases where vapor recovery is not favored by user. CORKEN pumps are used for medium to high differential pressures and smaller / moderate flows (mainly for Intermediate chemical / bulk drug manufacturers, aromatic / essential oil industries, etc.).

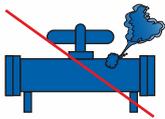
Salient Features of **CORKEN** Products that make it favorites for **PROPYLENE** Applications in the Industry



Offered CORKEN Compressors belong to Positive displacement, **RECIPROCATING** Piston type following General Compliance to **API 618**.



Minimization / elimination of impurities like oil is of paramount importance for industrial process level applications for Propylene. CORKEN Compressors provide **NON-LUBRICATED GAS COMPRESSION** by effectively separating oil chamber from the gas compression chamber with non-lubricated wetted parts. The internal parts for gas compression chamber are **SELF LUBRICATING** and thus do not require additional lubrication. Pumps offered also do not require any oil lubricating wetted parts except the bearings which are grease lubricated.



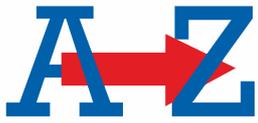
Propylene is **HIGHLY INFLAMMABLE** in nature and hence leakage control becomes an important feature for any equipment handling propylene. CORKEN's Plain Style (single packing), D-style (two sets of packing) and T-style (three sets of packing) with Positive Seal Piston V-Ring/Segmented or combination Packing provides Greater control of fugitive emissions designed for **GREATER PRECISION LEAKAGE CONTROL**.



With proper piping and installation recommendations, CORKEN pumps and compressors have a very smooth and **SILENT** run on the field within allowable **NOISE LIMITS**.

For more information on these additional solutions, visit us at www.idexindia.in

Applications for CORKEN Products for PROPYLENE TRANSFER



Depending on its location on the process map, application may require smallest of capacity (like unloading or tanker mounted applications) or may demand higher capacity if used for plant process applications. CORKEN offers **CAPACITY OPTIONS AVAILABLE**.... Smaller vertical machines to larger horizontals, VFD for varying RPM's along with suction unloaders for capacity control with single- or two-stage in single- and double-acting designs.

Similarly, **MATERIAL OPTIONS** to meet the demands of volatile and toxic gases with wide range of materials for compressor parts, gaskets and O-rings, protective coatings for propylene with other gas mixtures in the stream mainly for critical process applications.

Similarly for pumps, which can be used for Bulk transfer applications like unloading to smaller tank to tank transfer applications. Pumps are provided mechanical robust seal consisting of Silicon Carbide Seal Seats with Carbon faces, which are suitable for wide variety of applications including high pressure service like propylene.



MINIMUM TCO with User Friendly Design. Products designed keeping in mind to keep customer's Total Cost of Ownership lower combined with simple break-and-build model for ease of operation and maintenance (lower downtime), easy parts replacement and interchangeability for making users comfortable and confident to handle machines which is always a thumbs-up for any user.



CORKEN's Sliding Vane and Regenerative Turbine Pumps are designed for handling entrained vapor (**ENHANCED VAPOR HANDLING CAPACITY**) which makes them ideal for liquified gas applications such as propylene.

For more information on these additional solutions, visit us at www.idexindia.in



*Trusted Solutions,
Improving Lives™*

For further inquiries or information, you may reach out to us at below and our sales representative will be happy to revert for assisting you with right solution for your application.

IDEX Energy - Advanced Flow Solutions
IDEX India Pvt Ltd,
Survey No. 256, GIDC Manjusar, Savli,
Near Bombardier Circle,
Distt. Vadodara, 391 770, Gujarat
cocsalesindia@idexcorp.com

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Corken, Inc. A Unit of IDEX Corporation
3805 N.W. 36th St., Oklahoma City,
OK 73112 U.S.A.
www.corken.com

Connect with us:   

Toll Free No: 1800 267 9955

www.idexindia.in

info.fmt@idexcorp.com