Ports: 3/8" FNPT

DESCRIPTION:
Drop in replacement for model GCBN3V. Can also be considered as replacement for model 4KHP9. These self-priming, positive displacement, external rotary gear carbonator pumps are ideal for a wide range of commercial, industrial, marine, and agricultural applications.

Uses: For use with particulate free and non-abrasive fluids compatible with bronze and stainless steel. Suitable for oils and other lubricating fluids and for intermittent duty when handling water based fluids in the 4-10 pH range.

- Flows to 4.4 GPM
- Max. RPM: 1725
- Max. PSI: 100
- Suction lift to 3.6 ft.**
- Maximum viscosity of 500 SSU at 1725 RPM (max. input torque of 45 in. lbs.)
- Housing Gasket – Viton® Oring
- Construction – Bronze Housing, Bronze Spur Gears, Stainless Shafts
- Shaft Seals – BUNA Mechanical with carbon and ceramic wear faces
- Bearings – Carbon Graphite
- Temperature range: -40° F to 225° F
- Maximum working pressure: 150 PSI
- Internal Bypass Relief Valve
- Rotation – Factory configured for CCWLE Motors***

MOUNTING AND DRIVE ARRANGEMENT:
Intended for close-coupled mounting to NEMA 48 Carbonator Mount footed motors using clamp and T coupling. Pump can be mounted in any orientation relative to the motor base. For vertical installations, mount pump below motor. Complete pump / motor units are available.

ROTATION AND RELIEF VALVE:
The relief valve is not intended to be a metering or flow control device. Its main purpose is to function as a discharge pressure relief when the spring tension is exceeded by the discharge pressure. Overheating can occur within 5-10 minutes if the discharge line is completely shut off for extended periods.

Unless otherwise specified, the pump motor unit is supplied by the factory for shaft rotation clockwise from shaft end. Reversing the motor rotation will reverse the “in” and “out” ports and also requires changing the relief valve location. The relief valve is always on the discharge side in this pump series. The factory pressure setting is 50 PSIG. To increase pressure, turn the relief valve adjusting screw in a clockwise direction.

To reverse single phase motors, find instructions on the inside of the junction box cover or on the name plate of the motor.

* VITON® is a trademark of DuPont Dow Elastomers. VITON® or equivalent FKM may be used. Teflon® is a registered trademark of DuPont. Teflon® or equivalent PTFE will be used.

** Suction lift requires wetted gears and primed pump condition

*** To change shaft rotation direction and relief valve orientation, rotate cover assembly 180 degrees.
Exploded View

Parts List

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<tr>
<th>1</th>
<th>2</th>
<th>3*</th>
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<tr>
<td>Body w/ Brg's Sub Assy</td>
<td>Cover w/ Brg's Sub Assy</td>
<td>Drive Gear Assy</td>
<td>Idle Gear Assy</td>
<td>O-Ring</td>
<td>Screw</td>
<td>Mech Seal</td>
<td>Snap Ring</td>
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<td>Dowel Pin</td>
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<tbody>
<tr>
<td>Repair Kit</td>
<td>Nut, Bypass</td>
<td>Lock Nut</td>
<td>Spring Bypass</td>
<td>Ball</td>
<td>Plug Nut</td>
<td>O-Ring</td>
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<td>V-Band Clamp</td>
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* Repair kit contains these items. **Items not depicted in assembly drawing.

Dimensions

Visit www.oberdorfer-pumps.com to find in-depth descriptions of the world’s leading high-quality, dependable pumps.

Due to ongoing product improvements, data shown here is subject to change without notice. Contact Oberdorfer Pumps for latest specifications.

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