

Vekttek, Inc. 1334 East Sixth Ave. P.O. Box 625 Emporia, Ks. 66801 U.S.A.	Instruction Sheet	IS-	3207		
		REV.	A, I.A.W. ECN4402		
		REVISED BY/DATE:	RLK	4/9/21	
		ECN APPR/DATE:	ACT	8/2/21	
TITLE: INSTALLATION, ROTARY UNION, 1, 2 AND 4 PORT					

General Installation Instructions for Vekttek Rotating Union Assemblies With One, Two and Four Ports



Note: These instructions are intended to be used as a general guide, please consult the factory to discuss any specific questions related to your installation.

Preparation: Remove the rotating union from the shipping container. Inspect the entire assembly and confirm no visual damage occurred during transport.

Recommended rotating union Installation Practice: The rotating union assembly should never be mounted with both the shaft & housing components solidly bolted into place. One of the two components should be mounted in a manner that allows for some movement in the event of misalignment. Using only the supply lines or hoses to fix the stationary component in place is not recommended. Mounting an anti-rotation arm that attaches to the stationary part of the rotating union assembly and rests against part of the equipment framework is recommended (see below).



Base Mounting, Manifold type: When mounting the shaft face using the o-ring manifold option, make sure the rotating union shaft face & equipment mounting surface is clean and free from dents or chips to insure proper installation. Equipment pilot bore needs to be concentric to the centerline of the rotating union shaft to assure proper function. Install face mount o-rings into groove or counter-bore in rotating union shaft face. Use corresponding adapters found on the rotary union section of the catalog. Align rotating union shaft with equipment pilot bore and flow passages, then insert into place. Bolt assembly into place using tapped holes.

Shaft Mounting, Threaded connections: When mounting the shaft using threaded connections, make sure all fittings are properly tightened. Equipment mounting surface needs to be concentric to the centerline of the rotating union shaft to assure proper function. After all fittings are in place, bolt assembly into place using holes on rotating union base.

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Housing Mounting: When installing threaded connections, make sure all fittings are properly tightened. Tapped holes on the end of the rotary union housing can be utilized as needed for mounting. Refer to rotary union arm section of the catalog for overhead hydraulic application or contact Vektek for technical assistance.

Initial start-up: After rotating union is properly installed, a dry run is recommended to assure proper mounting of the rotating union assembly. Begin rotation of the equipment, and verify that while rotating at the maximum operating speed there is no visible movement of the rotating union assembly due to misalignment.

Troubleshooting Guide

PROBLEM	POSSIBLE CAUSE	ACTION
Rotating union will not turn or requires more force to turn than anticipated	Customer may not be familiar with required torque to rotate, request required torque specs for the specific part # from factory	Test rotary union to make sure it is within the torque spec, return to factory for evaluation & repair if unit is out of spec.
Leaking found at connection point.	Proper fittings were not installed in ports Fittings were not properly tightened Manifold mount o-ring was damaged during installation	Confirm proper fittings are used. Confirm fittings are tight. Inspect o-rings for damage..

Warranty:

Vektek Inc Warrants, for a period of one year from the date of original delivery, it's products to be free from defects in material and workmanship. Vektek's obligation under this warranty is limited to repair or replacement at it's factory of any part or parts of said products which shall be returned to Vektek Inc. with transportation charges prepaid and which Vektek Inc.'s examination shall disclose to it's satisfaction to have been defective. Under no circumstances shall Vektek Inc. be held liable for loss, damage, cost of repair of consequential damages of any kind, in connection with the sale, use or repair of any product purchased from Vektek Inc.

The rotary union is not a structural member and is not intended to support a load.