

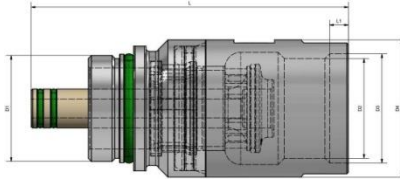
GZD VR300 TYPE 2

DISASSEMBLABLE ROTARY COUPLING FOR MULTIPLE USE ACCORDING TO EN 13617-2

Atex No: IEP 23 ATEX 1180U EN 13617-2:2021

Gas Vapor Recovery Nozzle with Gas Vapor Recovery System, GZD VR300 TYPE2 Type, and all other nozzles with M34x1.5 connection thread

USER MANUAL - WARRANTY DOCUMENT



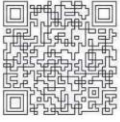
D1 (mm)	D2(mm)	D3(mm)	D4(mm)	L(mm)	L1 (mm)
M34x1,5	M34x1,5	Ø35	Ø44	102	6

The " DISASSEMBLABLE ROTARY COUPLING GZD VR300 TYPE2" is a reusable coupling designed for gas vapor recovery system with Type 2 according to EN 13617-2, intended to protect the dispenser, hose, and nozzle assembly while the vehicle is in motion, as well as from potential physical damage in case of an accident. If the nozzle is left in the vehicle's tank, the coupling is designed to disconnect from the dispenser to prevent damage and fuel leakage.

The GZD VR300 TYPE2 removable swivel coupling is directly mounted on the nozzle. Prior to delivery, each GZD VR300 TYPE2 is tested for tear and leakage resistance (5.25 bar according to EN 13617-2). The GZD VR300 TYPE2 undergoes axial or angular testing with a pulling force ranging from 80 kg (800 N) to 150 kg (1500 N). The operating pressure of the GZD VR300 TYPE2 is up to 3.5 bar. It is designed for a temperature range of -20°C to +40°C. Upon customer request, the GZD VR300 TYPE2 removable swivel coupling can also be produced for a temperature range of -40°C to +55°C.

Each GZD VR300 TYPE2 removable swivel coupling is marked with a production date code. For example, 2022/3 represents 2022 as the production year and 3 as the quarter within that year. This production date code provides information about the manufacturing year and quarter.

For example;



GZD VR 300 TIP 2
Atex IEP 23 ATEX 1180U EN 13617-2:2021



UYARI:

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In the event of forced separation, the GZD VR300 TYPE2 removable swivel coupling may experience a maximum fuel leakage of up to 120 ml.

Installation Instructions for GZD VR300 TYPE2 REMOVABLE ROTARY COUPLING

- Turn off the pump and release the pressure in the hydraulic system (hose),
- Disconnect the nozzle from the fuel pump coaxial hose (Figure 1),
- Lightly lubricate the male and outer O-rings on the GZD VR300 TYPE2 Removable Rotary Coupling,
- Connect the gun to the GZD VR300 TYPE2 Removable Swivel Coupling,
- Connect the nozzle assembly and the GZD VR300 TYPE2 to the fuel pump coaxial hose (Figure 2)

- Turn on the fuel pump and check the sealing of the nozzle - GZD VR300 TYPE2 Removable Rotary Coupling - fuel pump coaxial hose,
- If the GZD VR300 TYPE2 Removable Rotary Coupling is factory-installed on the nozzle, it is attached to the fuel pump coaxial hose as described above.

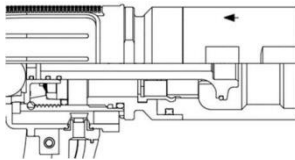
NOTE: Installation of GZD VR300 TYPE2 Removable Rotary Coupling is only done with 40mm and 42mm tools.



Figure 1



Figure 2



Drawing 3



Drawing 4

Drawing number 3 shows a properly installed REMOVABLE ROTARY COUPLING GZD VR300 TYPE2.

REASSEMBLY WITHOUT DISASSEMBLY

NOTE: This procedure can only be performed by an authorized service technician who follows the company's procedures and considers all safety regulations. Before putting the fuel station into operation, the tightness of all connections is tested under system pressure.

- Close the pump and reduce the pressure in the hydraulic system (in the hoses),
- Remove the Removable Rotary Coupling GZD VR300 TYPE2 from the pistol body.
- Remove the back of the Removable Rotary Coupling GZD VR300 TYPE2 from behind the coaxial fuel pump hose.
- Clean all parts of the Removable Rotary Coupling GZD VR300 TYPE2 and check for any damage caused by forced separation. If the Removable Rotary Coupling GZD VR300 TYPE2 is damaged, it should not be used. Spare parts are not available, except for the outer O-ring.



- Lubricate all metal sliding surfaces and O-rings on the body of the Removable Rotary Coupling GZD VR300 TYPE2.
- Assemble the front and back parts of the Removable Rotary Coupling GZD VR300 TYPE2 manually and with the use of an axial force tool. A "click" sound will be heard upon successful connection (Refer to Drawing 4).
- The Removable Rotary Coupling GZD VR300 TYPE2 is ready to be installed between the pistol and the coaxial fuel pump hose, as described above, with the mandatory pressure test of the entire system.

WARRANTY

The warranty period for the proper functioning of the **Removable Rotary Coupling** is 24 months from the date of delivery. If the exact delivery date cannot be determined, the production date stamped on the **Removable Rotary Coupling** is considered as the starting date of the warranty period.

The warranty for the Removable Rotary Coupling does not cover damages caused by non-professional use or the use of liquids that are not intended for use with the Removable Rotary Coupling, including any external damages caused to the Removable Rotary Coupling and its parts.

Warranty costs do not include compensation for installation and transportation expenses for replacing or repairing the Removable Rotary Coupling, as well as any personal or property damages arising from the use of the Removable Rotary Coupling.



DECLARATION OF CONFORMITY - EU Directive 94/9/EC

Manufacturer **NOZTECH PETROL EQUIPMENT TECHNOLOGY TRADE INC.** - declares:

REMOVABLE ROTARY COUPLING GZD VR300 TYPE2 is manufactured in compliance with the requirements of EU Directive 94/9/EC and EN 13617-2 standard.

This declaration is valid for the serial number: _____ from _____ year

NOZTECH PETROL EQUIPMENT TECHNOLOGY TRADE INC.

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