



VACGEN

Assembly Guide

VRD O Ring Replacement AS0025

VGS03-02T25



Copyright Notice 2002 by VACGEN. All rights reserved. Information contained in this handbook is subject to change without notice and does not represent a commitment on the part of VACGEN. No part of this document may be copied or distributed, transmitted, transcribed, stored in a retrieval system or translated into any human or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, manual or otherwise or disclosed to third parties without the express written permission of VACGEN LTD, Unit A, Swallow Business Park, Diamond Drive, Lower Dicker, Hailsham, East Sussex, BN27 4EL, UK.

Helping you make the next leap forward

www.vacgen.com



DISCLAIMER

This Assembly Guide should be used in conjunction with the owner’s manual where available, and is intended as a guide only as there may be variations between versions and therefore must be used at the Owner’s Risk. For more detailed assistance, please contact our Support desk +44 (0) 1323 379 335 or support@vacgen.com.

HEALTH AND SAFETY

All repairs and services should be carried out by a qualified engineer, using the correct tools and procedures to carry out the repair. VACGEN are not liable for any errors within the assembly guides which may cause inconsistencies during repair.

The Goods, especially chemicals, may be dangerous if not properly used or stored and the appropriate precautions taken. The Customer accordingly agrees that it shall take all such steps as are reasonably practicable or usual to eliminate or reduce any risk to health and/or safety to which use of the Goods may give rise and acknowledges that where the Goods are manufactured to a design supplied by the Customer, the Company will not undertake any research as to the risks to health and/or safety which may arise from use or storage of the Goods. Where the Goods are manufactured to a design supplied by the Customer, the Customer shall comply with all the duties which may be implied at law on a designer and/or manufacturer of the Goods.

Revision	Date	Comment	Initials
1			
2			
3			

Unit A, Swallow Business Park
Diamond Drive, Lower Dicker
Hailsham, East Sussex
BN27 4EL, UK



O Ring Replacement

Demountable Version

1. Undo the 6 bonnet screws and remove the plunger assembly
2. On the version with the clamped O Ring, remove the nut and plate to release the seal
3. On the grooved version, carefully peel out the seal, taking great care not to damage the sealing surfaces
4. New seal is pre baked and ready to use
5. Wipe over the sealing faces with isopropanol
6. On the clamp version, assembly in reverse, making sure there is no dust in seal location or on the seal
7. On the groove version, press the seal in with a flat smooth bar, a scalpel handle is ideal for doing this.
8. Press in 4/5mm then 180° press is 4/5mm.
9. Then at 90° press in 4/5mm and complete pushing the seal in.
10. The helps bed the seal evenly Refit the plunger assembly using a new ZCU38 gasket and tighten flanges face to face
11. Leak check

Non-demountable Version

1. Hold the valve with the axial port upwards
2. With a "Nut Spinner" remove the nut that is holding the "O" Ring retaining plate
3. Hook out the retaining plate, making sure you do not damage the sealing face
4. Clean seal surfaces with isopropanol
5. New seal will be pre-baked and ready to use
6. Fit seal into plunger, push in the clamp plate and refit the nut and washer
7. Leak check



DRAWINGS

