



Cleaning the PKR 251 Pressure Gauge

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Obtain Required Cleaning Parts from Pfeiffer Vacuum







Spare O-rings and 3 igniters Part Number BN 846 239 -T

10 Spare igniters
Part Number
BN 845 995 -T

Igniter Insertion Tool
Part Number
BG 510 600

 Order PKR 251 cleaning kits from Pfeiffer Vacuum at 603-578-6500





Gather Required Tools













Gather Required Supplies











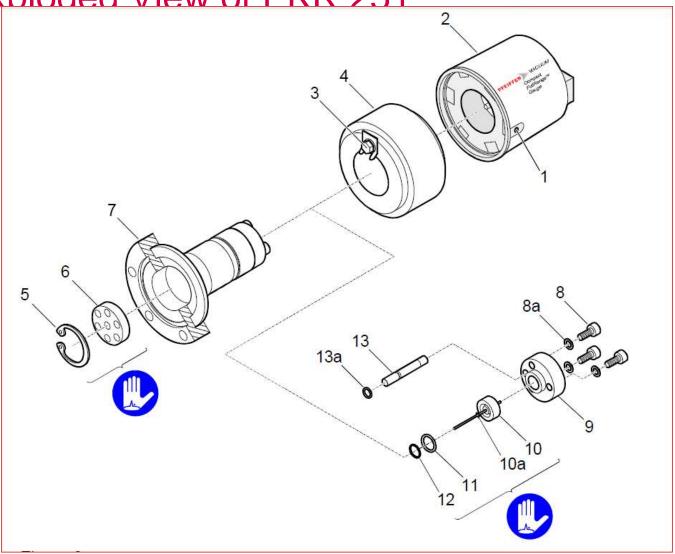
Consult the Manual

- Read the gauge cleaning instructions in the manual.
 - PKR251: manual Part Number BG 5155 BEN, section 5.2





Exploded View of PKR 251











Use 1.5-mm allen wrench to remove electronics unit (1, 2)

Remove without twisting



Remove the Magnet





Loosen clamp screw with 7-mm wrench

Pull off magnet, a firm effort Is required





Remove the Polarity Insert





Remove Circlip (or Snap Ring) (5) with snap ring pliers

Remove Polarity Insert (6) with needle nose pliers



Remove Anode

 Using the 3-mm Allen wrench loosen the screws (8, 8a), remove the Pirani Element (13, 13a), pressure piece (9), anode (10, 10a), FPM seal (11), support ring (12)





Polish glassy coating material from inside surfaces

 Take a piece of sand paper and polish the interior surfaces of the gauge cylinder to remove the glassy coating. Make a surfaces bright metal.











Clean the anode

- Using the tweeze, remove the ignition aid (10a) from the anode (10). Throw the used ignition aid away.
- Using sand paper, scrub the anode rod clean







Clean items

- Wash your hands
- Put on clean room gloves
- Wash all items with isopropyl alcohol
- Let them dry
- Change your gloves





Clean and dry the Pirani Element as described in the manual





Install new ignition aid

- Install a new ignition aid (10a) as described in the manual.
- Push the ignition aid about 15 mm from the end of the anode.
- Final positioning will be done later



Ignition aid in bag



Ignition aid mounted on insertion tool ready to be installed on anode





Reassemble Gauge

- Assemble the gauge as instructed in the manual.
- Before inserting the polarity insert, set the ignition aid depth, using the ignition aid insertion tool

