

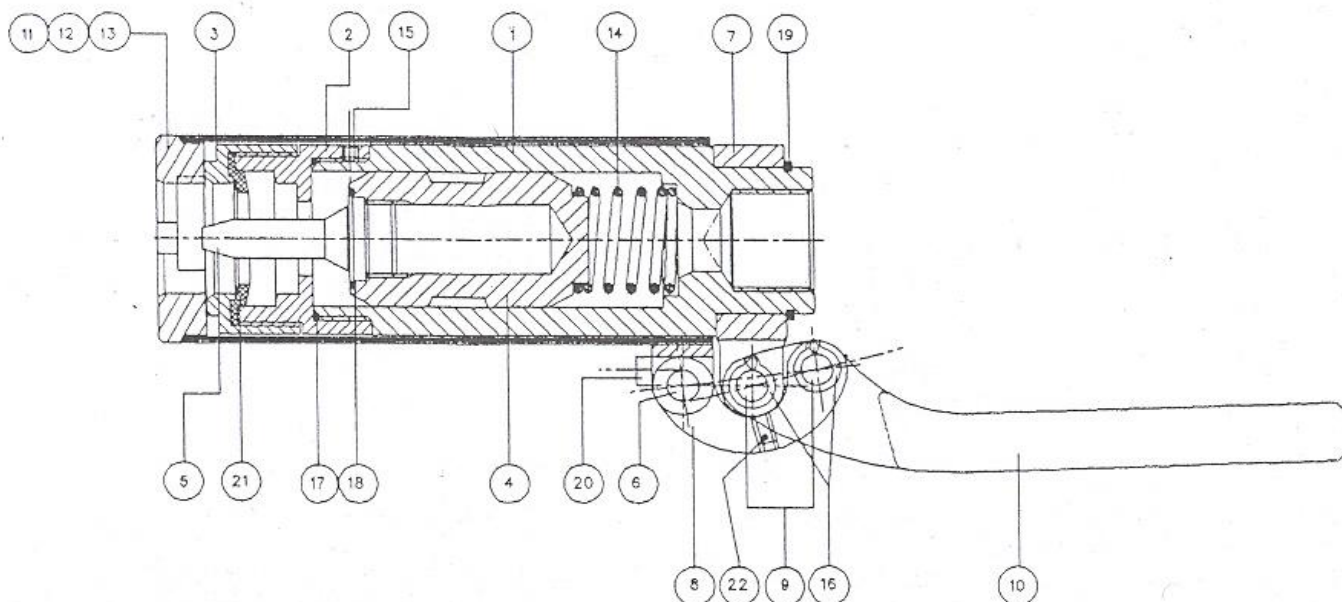
Operation / maintenance / repair instruction of the LPG quick acting LPG nozzle, type V10

General:

- The LPG nozzle type V10 has been designed and should only be used in LPG installations. Connection at hose side: 3/4" FNPT.
- The LPG nozzle type V10 only should be connected to the original bayonet adapters as delivered by De Visser or otherwise within the tolerances 27 – 28 mm adapter diameter.
- The surface of the adapter pipe should be smooth and should be replaced if adapters are dirty, scratched or oval. Every 6 months the front nozzle ring should be replaced regular maintenance job.
- LPG nozzle only can be removed / changed from an installation under operational conditions by a certified installation company, specialized in maintenance / repair of LPG refuelling installations.
- LPG nozzle should be placed into a fit-to-size holster or support, LPG nozzle should not be placed / stored on the ground / street or otherwise unprotected places where mechanical damage can occur.

Operation instructions:

- Engage the car-connector / adapter with nozzle, bayonet front horizontal (handle at 12 o'clock)
- Place nozzle over the car-connector / adapter.
- Turn handle 45 degrees clock-wise.
- Pull handle towards the hose. (nozzle now connected with car, noise of equalisation of pressure).
- Press the operation button of the dispenser, start delivery of LPG until delivery stops at 80% of tank volume.
- Push handle quickly but under control towards the car (minimum LPG emission);
- Turn handle 45 degrees counter-clock-wise.
- Remove nozzle from car-connector / adapter.



Maintenance / repair of nozzle:

Leakage during pumping or connecting the nozzle, replacing front seal nr. 21:

- dismount boltnr. 20
- remove locking pin / set screw nr. 6
- take away nozzle cover nr. 11
- dismount cap nr. 3 (left twist) with a standard open-head spanner 40 (mm)
- remove seal, put a new seal in.
- assemble front-cap nr. 3 (right twist) against the seal and make then $\frac{3}{4}$ twist with open-head spanner 40.
- execute instructions in reverse order.

Leakage during non-operation, replacing small seal nr. 18:

- degass the complete hose, or part between pull-away-coupling and nozzle with Nitrogen;
- dismount boltnr. 20
- remove locking pin / set screw nr. 6
- take away nozzle cover nr. 11
- dismount cap nr. 3 (left turn) with a standard open-head spanner 40 (mm)
- remove safetyring nr. 19
- remove handle-bridge nr. 7
- untight (release) lock-screw nr. 15
- dismount safety-cup nr. 2 (right turn) with open-head spanner 46 (mm)
- remove internal device nr. 4.
- Clamp nozzle-pin nr. 5 in a bench vice.
- dismount internal with open-head spanner 30 (mm) (left turn).
- remove seal (o-ring) en blow rebate clean with airpressure;
- place new o-ring with stretched hand in rebate, do this very carefully !!!
- assemble internal with hand as tight as possible, then tight it with open-head spanner $\frac{1}{4}$ turn.
- assemble internal device with spring
- replace seal nr. 17 (o-ring)
- blow out dirt and metal dust with air pressure, be sure no loose components are present before closing the nozzle
- assemble safety-cup, use some vaseline, acid free.
- finish assembly in reverse order.

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