





**LG11
Back-Check Valve**

 Underwriters Laboratory listed (No.47NM)



**GG10
High Flow LPG Bulk Nozzle**

 Underwriters Laboratory listed (No. 86Y 4)



GG10 High Flow LPG Bulk Nozzle,
with fitted LG11 Back-Check Valve

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GG10 - High Flow Nozzle

DESCRIPTION

The GasGuard **GG10** nozzle is designed for bulk LPG refuelling operations. It is available with a 1" or 1¼" inlet swivel combination. The GG10 nozzle is only to be used by trained LPG operation personnel, for the safe refuelling of LPG gas cylinders and storage facilities.

IMPORTANT: In some countries it is a requirement to fit a safety back-check valve to the nozzle. The GG10 GasGuard nozzle will operate safely and correctly when fitted with a LG11 Back-Check Valve (or Fischer M570 check valve).

If this is a requirement at your current refuelling location please refer to page 3 of this manual.

PROPER HANDLING

When transporting the GG10 nozzle from the delivery vehicle to the gas storage cylinder and back, the GG10 nozzle should be carried by the body of the nozzle. Nonetheless, the GG10 nozzle will not open when the lever is actuated unintentionally in an uncoupled state.

Before coupling the nozzle to a certified 1¼" ACME connection point, ensure that all coupling parts, seals and sealing surfaces of the nozzle and LPG tank are clean and undamaged. Nonetheless, the GG10 will still safely function without the presence of a of a fill point gasket/seal.

COUPLING / REFUELLING (REFER TO PICTURES ON PAGE 4)

NOTE: Gloves must be worn for safety reasons.

1. Align the GG10 Nozzle female connector with the male ACME fill point fitting and tighten clockwise by hand until firm.
2. Lift the Lever arm until it is held in the open position. Lever will be held once past the centre cam position.
3. Once refuelling has finished, lower the lever arm to the closed position. This will shut off the valve in preparation for disconnection.

NOTE: In point 4, a small amount of gas will be released from the cavity between the nose piece and the fill point fitting, the dispersion of this released gas can be controlled by the operator. Gloved hands should be kept at the rear of the connector nut during this release.

4. The operator can now slowly unwind the connector nut in an anti-clockwise direction, noting the small release of gas. Once gas has vented, unwind the connector nut. Now the operator can safely carry the nozzle back to the delivery vehicle.

LG11 - Back-Check Valve

DESCRIPTION

The GasGuard **LG11** Back-Check Valve is a safety fill adapter for use with the GG10 High Flow nozzle. It offers a quick and reliable answer to leaking fill point check valves. Like the GG10 nozzle, the LG11 Back-Check Valve incorporates a failsafe function. When not coupled, engaging the nozzle lever will not lead to a discharge of gas.

IMPORTANT: The LG11 Back-Check Valve must be screw connected to the fill point before coupling the GG10 nozzle in order to maintain a safe seal.

CONNECTION / REFUELLING (REFER TO PICTURES ON PAGE 4)

NOTE: Gloves must be worn for safety reasons.

1. Firmly screw the LG11 Back-Check Valve onto the ACME 1¼" fill point fitting.
2. Once the LG11 Back-Check Valve is securely in place, couple the GG10 nozzle with the LG11, again making sure that both units are screwed on tight. The refuelling process can now commence safely.
3. Lift the Lever arm until it is held in the open position. Lever will be held open once past the centre cam position, full flow will now commence.
4. Once refuelling has finished, lower the lever arm to the closed position. This will shut off the valve in preparation for disconnection.

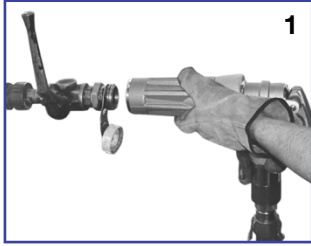
NOTE: In point 5, a small amount of gas will be released from the cavity between the nose piece and the fill point adaptor when unwound, the dispersion of this released gas can be controlled by the operator. Gloved hands should be kept at the rear of the connector nut during this release.

5. The operator must first unscrew the connector nut of the GG10 in an anti-clockwise direction, noting the small release of gas.

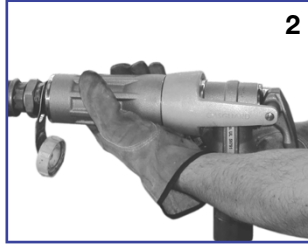
NOTE: In point 6, a small amount of gas will again be released from the cavity between the LG11 and the fill point fitting when unscrewed, the dispersion of this released gas can be controlled by the operator. Gloves are required to be worn and hands should be kept at the nozzle side of the LG11 during release.

6. Once the GG10 is free from the fill point slowly unwind the LG11 Back-Check Valve in an anticlockwise direction, noting the small release of gas. In the case of a continuous gas release on disconnection (indication of a fill point malfunction/leak) the LG11 must be tightened back to the fill point fitting to contain the leak until appropriate service personnel can safely fix the problem.
7. Once LG11 is removed and no leak is present, the operator can safely carry the GG10 and LG11 back to the delivery vehicle.

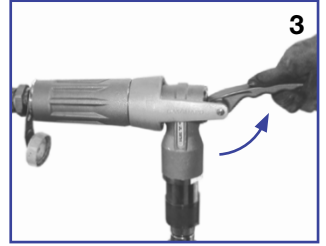
GG10 - Sequence Photos



Align GG10 with fill point fitting.



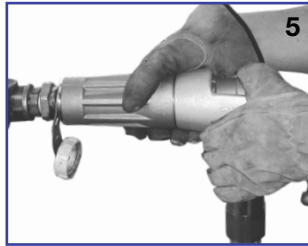
Screw GG10 to fill point.



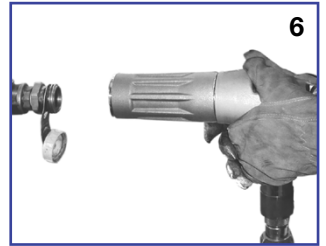
Actuate lever until held in cam open position. Start refuelling.



After refuelling disengage lever, prepare for disconnection.



Unscrew GG10, note small release of gas.



Remove GG10, carry safely back to vehicle.

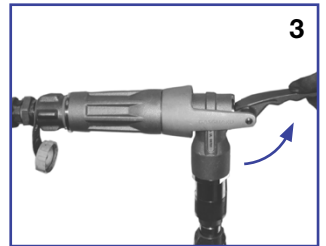
GG10 + LG11 - Sequence Photos



Screw LG11 to fill point fitting.



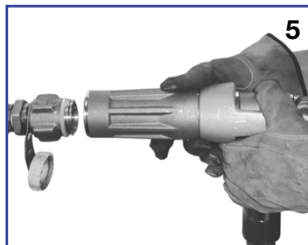
Screw GG10 onto LG11 thread.



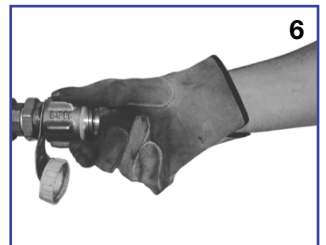
Actuate lever until held in cam open position. Start refuelling.



After refuelling disengage lever, prepare for disconnection.



Unscrew GG10, note small release of gas.



Remove LG11, note small release of gas, if fill point leak detected, re-tighten LG11.