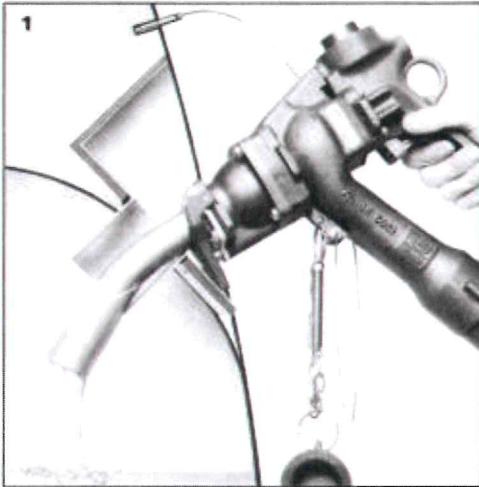
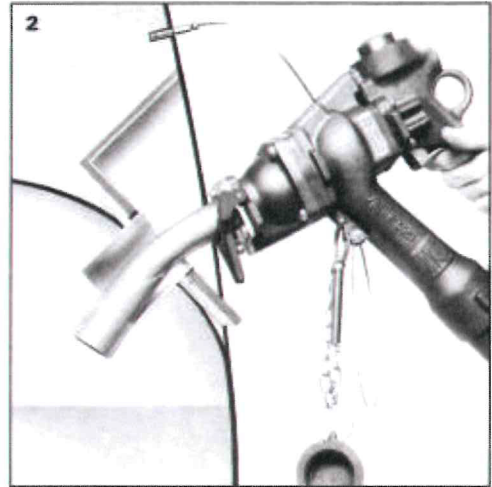


Helicopter Fueling Nozzle G457

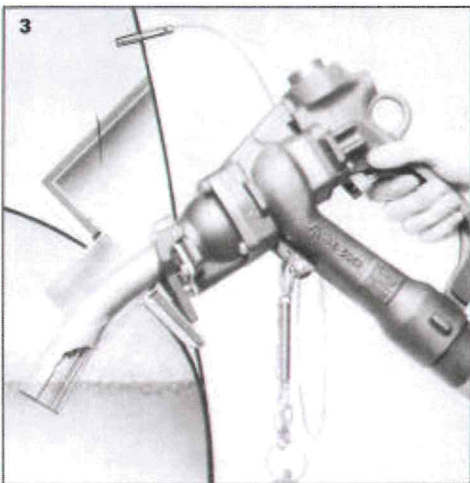
Operating Instructions



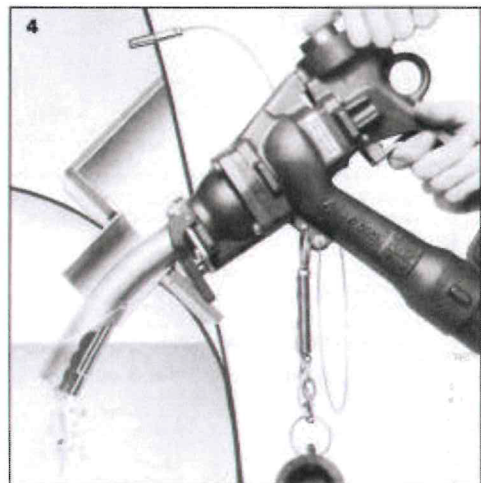
1
Nozzle inserted into filler neck with Trigger Lever and Proximity Lever depressed.
Fuel flows at controlled rate by pressure on trigger.



2
Operating Lever depressed – a slight withdrawal of nozzle releasing pressure on Proximity Lever automatically cuts fuel flow without spillage.



3
High Level Shut Off is actuated by actual fuel level.
Froth is dissipated by the sleeve.

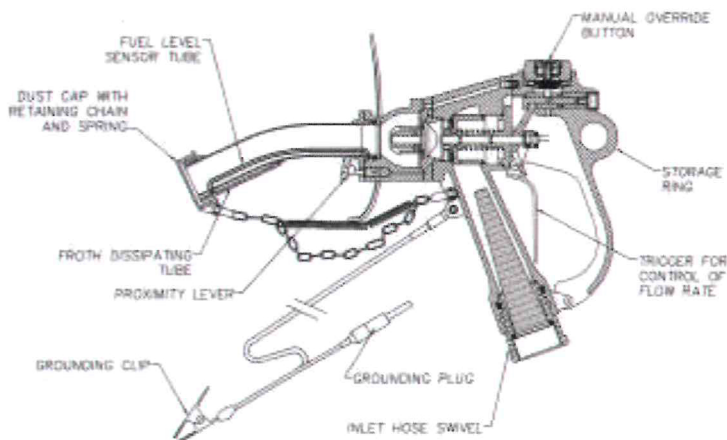


4
Override Button depressed – Note: Two hand operation.
Both Fuel Level Sensor and Proximity Lever are overridden to provide extra tank capacity when specially required for longer range flight or other special condition.

Helicopter Fueling Nozzle G457

Operating Instructions

The G457 Nozzle is a hand held trigger operated open line refueling nozzle for use primarily in fueling of helicopters with engines running and rotors turning. It may also be used for “open Line” refueling of all types of aircraft. The nozzle is designed for a maximum inlet pressure of 110 psi (7.6 bar) and flow rates from 10 usgpm (38 l/min) to 70 usgpm (265 l/min).



Operating Instructions

1. Remove nozzle from storage – do not press trigger until nozzle is inserted into filler neck of fuel tank.
2. Start fuel pump. Ensure no leaks from hose connections or any other joints in the feed lines.
3. Ground the nozzle by use of grounding plug or grounding clip and remove Dust Cap from end of spout.
4. Insert nozzle spout into filler neck allowing weight of nozzle to rest on neck to depress proximity lever.
5. With one hand only holding handle guard of nozzle, apply finger pressure to trigger. Fuel now flows and filling rate is controlled by squeeze pressure on trigger. Continue to hold nozzle securely.
6. To test action of Proximity Lever maintain finger pressure on trigger – withdraw nozzle slightly to release pressure on proximity lever. Fuel flow automatically shuts off.

7. Resume filling operation. Fuel flow automatically shuts off as fuel level reaches the sensor inside end of spout. Refueling operation is complete.

To obtain increased tank capacity for longer flight range or as specially required:

- 7.1 On completion of normal refueling (see 7 above) – retain spout in filler neck without holding trigger. With other hand depress red Manual Override Button to bottom of travel.
- 7.2 Re-apply a slight finger pressure on trigger to obtain a slow fuel flow. When red Override Button is depressed, fuel flow is solely controlled by trigger pressure. Neither Fuel Sensor nor Proximity lever is operative and great care must be taken in trigger control of flow to prevent overfill. To aid visual check on fuel level, operator may need to slightly withdraw nozzle from filler neck.

Warning: Do not completely withdraw Spout from Filler Neck with red button depressed and while holding Operating Trigger.

- 7.3 When fuel level is visually seen to be at specially required high level – release red override.
- 7.4 Release operating trigger – remove nozzle from filler neck.
8. Remove grounding plug (or clip). Return nozzle to storage and stop fuel pump.
9. Replace dust cap on spout, remove grounding plug (or clip). Return nozzle to storage and stop fuel pump.