Installation, Operating, Maintenance & Safety Instructions

Husky 1690

Automatic Delivery Nozzle

Commercial FUEL SOLUTIONS

REV 1.2 2009

HOW THE NOZZLE WORKS

The Husky 1690 and 1691 are equipped with an automatic shutoff sensing port near the end of the spout. When the level of fuel reaches this sensing port, the nozzle automatically shuts off. A two position hold open latch is located along side the lever to control the flow. NOTE: The 1691 spout is equipped with a C.U.L groove.
If the nozzle were to fall from the fill opening, the lever is designed to release when the nozzle strikes the ground.

INSTALLATION

1. This nozzle is ready for use.
2. With pump turned off, remove the nozzle from the hose.
CAUTION: Allow any residual liquid pressure in the hose to bleed off.
3. Apply sealant thinly to male threads of hose.
4. Tighten firmly but do not over tighten.
5. Test the nozzle. (See operation below)

OPERATION

Maximum working pressure is 100psi. The maximum flow rate is 375 litre/min

The pump must deliver a minimum of 25 litre/min to activate the shut off mechanism (minimum of 2psi inlet pressure).

Test the nozzle for proper automatic shut off. Using a test can and the nozzle flowing fuel set on the low latch setting, immerse the spout into the fuel until the sensing port is covered, causing the nozzle to shut off. Repeat this procedure for the high latch setting. The nozzle must shut off. If the nozzle does not shut off properly, it must not be used. WARNING: Nozzle will not shut off automatically with heavy oils.

Insert the nozzle spout into the centre of the fill opening of the fuel tank. Raise the lever on the nozzle to dispense fuel. If the nozzle repeatedly shuts off before the tank is full, reduce the fill rate. The nozzle will shut off automatically when the tank is full.
CAUTION: Topping off can cause an overfill spill.
To remove the nozzle from the fill opening, wait a few seconds to allow any fuel remaining in the spout to drain, then lift up and out.

SPOUT REPLACEMENT

1. Loosen and remove the spout retaining nut using a suitable wrench.
2. Remove the spout with its vent tube from the nozzle body using a slight twisting motion.
3. Replace the o-ring spout seal in the end of the nozzle body.
4. Slip the spout retaining nut over the new spout, insert the spout gland into the nozzle body with the vent tube aligned with the vent tube hole (Viewed from end of spout). Using a slight twisting motion seat the spout into the nozzle body. There will be a slight resistance to the twisting of the spout if the vent tube is installed correctly. Thread the spout retaining nut onto the body.
5. Hold the spout with the sensing port toward the handle and tighten the spout retaining nut.
6. Test the nozzle before returning to service.

MAINTENANCE

Inspect the nozzle periodically for leaks, loose connections, or damage that may effect the nozzle operation.

SERVICE

When your nozzle becomes worn after long service, Please see your distributor regarding the Husky Factory Rebuilt exchange program or for Replacement Spouts.

TROUBLESHOOTING	
Problem	Remedy
Nozzle keeps shutting off.	Slow down fuel delivery. Put on lower notch. Check for dirt or ice in sensing port.
Nozzle won't shut off.	Check flow rate. Check fuel system for debris. See Spout Replacement Instructions if spout has been replaced. Replace nozzle immediately, if the above are not effective.