



Husky

MODEL 004490 Recommended Installation, Maintenance and Inspection Instructions

Conventional Flo-Equalizer®

004490

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS IN A READILY ACCESSIBLE LOCATION.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

WARNING Designed for use at motor fuel dispensing facilities only.

INSTALLATION INSTRUCTIONS

1. Turn off dispenser and relieve line pressure.
 2. Install pipe nipple (if necessary) to achieve proper flow direction.
 3. Apply approved sealant (not Teflon® tape) thinly to male threads of hose.
 4. Tighten firmly but do not overtighten.
 5. Confirm nozzle is properly installed, pressurize the system and check for leaks.
 6. Test nozzle for proper automatic shut off between 5 - 10 gpm / 18.9 - 37.9 Lpm.
- INSTALL DIRECTLY TO THE DISPENSER.
DO NOT OVERTIGHTEN.
DO NOT WRENCH ACROSS COUPLING.**

IF DRIVE OFF OCCURS

- Inspect the entire dispensing system for damage.
- Check for leaks.
- Test nozzle for proper automatic shut off between 5 - 10 gpm / 18.9 - 37.9 Lpm.
- Check for electrical conductivity.

TROUBLESHOOTING GUIDE

Nozzle keeps shutting off or won't dispense...

1. Make sure dispenser is on and activated.
2. Check for blocked filter.
3. Reset the nozzle.

Low flow rate...

1. Check for blocked filter.
2. Remove Flo-Equalizer® and recheck flow rate.
3. Verify dispenser is not in slow flow rate mode.
4. Check for leak detection failures.

Flow rate above 10 gpm / 37.9 Lpm...

1. Verify Flo-Equalizer® is being used - either inside or outside dispenser.
2. Check the Flo-Equalizer® for debris.

TESTING / MAINTENANCE / INSPECTION

FUEL DISPENSER FLOW RATE TEST PROCEDURE

(For 10 gpm / 37.9 Lpm maximum flow rate standard)

***Any volume listed in the chart below may be used:

Gallons / Liters	Minimum Time
2.0 gal / 7.6 L	11.8 seconds
3.0 gal / 11.4 L	17.7 seconds
4.0 gal / 15.1 L	23.6 seconds
5.0 gal / 18.9 L	29.5 seconds

1. Observe a vehicle that is being fueled at the dispenser's maximum flow rate. Start the stopwatch when the dispenser indicates 1 gal / 3.8 L dispensed.
2. Carefully measure the time that it takes to dispense exactly 2*** gal / 7.6 L of fuel.
3. If the time is greater than 11.8*** seconds there is not a violation.
4. If the time is less than or equal to 11.8*** seconds, repeat the test for another 2*** gal / 7.6 L into the same vehicle (if possible). If the second test time is also less than or equal to 11.8*** seconds, use a calibrated fuel container to verify the accuracy of the dispenser meter.
5. When the dispenser meter shows 5 gal / 18.9 L and the volume dispensed is more than 6 cubic inches over or under the 5 gal / 18.9 L mark on the calibrated fuel container, note the amount in the comment area of the fuels inspection form.

5a. If the volume in the calibrated fuel container is 5 gal / 18.9 L or greater, record the two test times and note as a violation.

5b. If the volume in the calibrated fuel container is less than 5 gal / 18.9 L by more than 6 cubic inches, conduct the test on another dispenser.

6. Dispose of the fuel following city, state, or federal regulations.

- Daily**
 - Check for leaks / stains.
- Monthly**
 - Check nozzle auto shut off between 5 - 10 gpm / 18.9 - 37.9 Lpm.
 - Check "remove after" date.
- Annually**
 - Check for electrical conductivity.

• All drive aways, maintenance and inspection activities must be logged using the serial number of the individual product.

• Apply city, state, or federal testing regulations as appropriate.

ANY TEST / INSPECTION FAILURE REQUIRES IMMEDIATE EQUIPMENT REPLACEMENT OR REMOVAL FROM SERVICE.

MADE IN THE USA

**ALWAYS ADHERE TO INSTALLATION / USAGE INSTRUCTIONS AND WARNINGS.**

Improper use may result in injury, damage, or hazardous spill.

**GENERAL WARNINGS / INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS:**

- Use of equipment is at individuals' own risk.
- Always abide and adhere to city, state, and federal regulations regarding use and installation of dispensing equipment.
- Always follow the product manufacturer's installation and maintenance instructions.



- Always turn off all power to dispenser during maintenance and inspection activities.
- Always close the shear valves during maintenance and inspection activities.
- Always relieve pressure from system prior to performing maintenance activities.



- Always check continuity after installation using a megohmmeter (Refer to PEI RP 400 for details).
- Always replace or remove from service damaged or leaking dispensing equipment immediately.



- Always report leaks / spills / accidents to appropriate authorities.
- Always wear appropriate safety equipment during maintenance activities.



- Always have appropriate fire extinguishing equipment within 5 ft / 1.5 m of dispensers.
- Always use pipe sealant approved for gasoline service.



- Always place containers on the ground before filling.



- Always discharge static electricity before using or servicing equipment by touching a metal part of the dispenser before and after fueling vehicle.



- Never smoke within 20 ft / 6.1 m of dispensers.
- Never keep in service past recommended life.



- Never leave the nozzle unattended while dispensing fuel.



- Never use sparking or flaming devices within 20 ft / 6.1 m of dispensers.



- Never use power tools near dispensers or to aid in the installation process.



- Never use cell phone within 20 ft / 6.1 m of dispensers.



- Never reenter car when fueling vehicle.
- Never allow gasoline to touch eyes or skin.



- Never use at flow rates in excess of regulatory guidelines.

- Never use at flow rates less than 5 gpm / 18.9 Lpm.

- Never dispense flammable material into unapproved containers.

- Never dispense fuel without a valid driver's license.

NOTE: In the event of pressure differential in excess of 25 psi / 1.7 bar across the Flo-Equalizer® or the presence of debris obstructing movement of internal components, the Flo-Equalizer® output may exceed 10 gpm / 38 Lpm.

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WARRANTY

VAPOR PRODUCTS – Husky Corporation will, at its option, repair, replace, or credit the purchase price of any Husky® manufactured product which proves upon examination by Husky, to be defective in material and/or workmanship for a period of one (1) year of installation or fifteen (15) months from the manufacture date of shipment by Husky, whichever occurs first. The warranty period on repaired or replacement vapor recovery products is only for the remainder of the warranty period of the defective product.

CONVENTIONAL PRODUCTS – Husky Corporation will, at its option, repair, replace, or credit the purchase price of any Husky manufactured product which proves upon examination by Husky, to be defective in material and/or workmanship for a period of one (1) year from the manufacture date of shipment by Husky.

Buyer must return the products to Husky, transportation charges prepaid. This Warranty excludes the replaceable bellows, bellows spring assembly, spout assembly and scuff guard, unless (i) damage is obvious when the product is removed from shipping carton and (ii) the defective product is returned to Husky prior to use. This warranty does not apply to equipment or parts which have been installed improperly, damaged by misuse, improper operation or maintenance, or which are altered or repaired in any way.

The warranty provisions contained herein apply only to original purchasers who use the equipment for commercial or industrial purposes. There are no other warranties of merchantability, fitness for a particular purpose, or otherwise, and any other such warranties are hereby specifically disclaimed.

Husky assumes no liability for labor charges or other costs incurred by Buyer incidental to the service, adjustment, repair, return, removal or replacement of products. Husky assumes no liability for any incidental, consequential, or other damages under any warranty, express or implied, and all such liability is hereby expressly excluded.

Husky reserves the right to change or improve the design of any Husky fuel dispensing equipment without assuming any obligations to modify any fuel dispensing equipment previously manufactured.