

Fuel Control Nozzles Automatic

FCNA



110 LPM



50 PSI



For use with electric fuel pumps

Dual Mode - Manual & Automatic

Sensor built into the discharge spout outlet automatically shuts off supply once fuel level in the tank reaches that of the outlet discharge spout

Heavy duty cast aluminum body, trigger & guard from thermoplastic & protective vinyl grip on the nozzle body

Available both with & without swivel

WETTED COMPONENTS

Aluminium, Viton, Steel*

* only on models with swivel

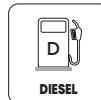
RECOMMENDED USE

Diesel, Kerosene, Leaded & Unleaded Gasoline



SPECIFICATIONS

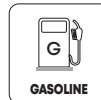
FLOW RATE	UPTO 110 LPM	UPTO 29 GPM
MAX. WORKING PRESSURE	UPTO 50 PSI	UPTO 3.45 BAR



DIESEL



KEROSENE



GASOLINE

CAT NR.	INLET THREADS	FLOW RATE		SPOUT DIA (OD)		SPOUT DIA (ID)	SPOUT LENGTH		SPRING ON SPOUT
		(LPM)	(GPM)	(INCH)	(MM)	(MM)	(INCH)	(MM)	
NOZZLE WITHOUT SWIVEL									
WITH STRAIGHT SPOUT									
FCNA/3-4/N*	3/4" NPT (F)	60	15.87	13/16	21	17	7	180	No
WITH CURVED SPOUT									
FCNA/3-4A/N	3/4" NPT (F)	60	15.87	13/16	21	16	6.3	160	Yes
FCNA/3-4B/N	3/4" NPT (F)	60	15.87	15/16	24	19.5	6.3	160	Yes
FCNA/0-1/N	1" NPT (F)	100	26.45	1-1/16	27	21	5-1/2	140	Yes
FCNA/0-1T/GN/N	1" NPT (F)	110	29.05	1-3/16	30	25	5-1/2	140	Yes
NOZZLE WITH SWIVEL									
WITH STRAIGHT SPOUT									
FCNA/S/3-4/BSP	3/4" BSP (F)	60	15.87	13/16	21	17	7	180	No
WITH CURVED SPOUT									
FCNA/S/3-4A/BSP	3/4" BSP (F)	60	15.87	13/16	21	16	6.3	160	Yes
FCNA/S/3-4B/BSP	3/4" BSP (F)	60	15.87	15/16	24	19.5	6.3	160	Yes
FCNA/S/0-1/BSP	1" BSP (F)	100	26.45	1-1/16	27	21	5-1/2	140	Yes
FCNA/S/0-1T/GN/BSP	1" BSP (F)	110	29.05	1-3/16	30	25	5-1/2	140	Yes

WARNING!

- Never operate the fuel control nozzle near open flames or sparks as a possible fire or explosion may harm the operator.
- Fuels containing ethanol > 25% will cause more frequent replacement of rubber parts.
- Nozzles are to be used with electric fuel pumps.
- Do not drop the nozzle as it may damage the body or the sensor in it.
- Do not try to alter or modify the design of this nozzle.
- Ensure that all the threaded joints are leak proof.
- Never throw or allow the nozzle to drop as it has a plastic protective casing which is prone to fracture

INSTALLATION & OPERATION

1. Switch On the electric pump connected with the Nozzle.
2. Press the trigger to start dispensing.
3. To stop dispensing
 - a. The Nozzle will automatically stop dispensing as soon as the fuel inside the container or fuel tank touches the sensor at the tip of the nozzle.
 - b. Releasing the trigger manually will stop dispensing.
 - c. Since this is a no pressure no flow nozzle, when the electric fuel pump is switched OFF in between dispensing, the Latch in the nozzle will be released automatically and dispensing will be stopped.

NOTE

1. The latch will be in extremely loose position if there is no pressure at the Inlet. Without inlet pressure it will not be possible to lock the latch for automatic dispensing.
2. With Pressure at the nozzle inlet the trigger will get hard and will make it easy for locking the latch in the desired position for automatic dispensing.

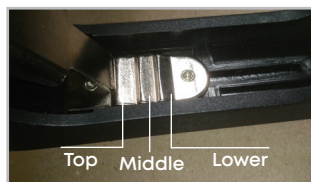
AUTOMATIC DISPENSING

To set the nozzle in automatic mode

1. Switch On the electric pump so that there is pressure at the inlet of the nozzle.



2. Press the trigger and lock the latch in the desired flow setting, out of the 3 available settings



NOTE

The latch locked in the topmost position will give maximum flow whereas the flow will be minimum in the lowermost position.

3. To stop the nozzle from dispensing in automatic mode, operator must release the latch manually.
4. When the container or fuel tank is full, the nozzle will stop dispensing as soon as the media touches the sensor at the tip of the Nozzle.



Nozzle needs to be Pressurized to start fuel outflow

This feature prevents accidental outflows and it eliminates chance of any fuel wastage.

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