

PRESSURE FUELING NOZZLE

MODEL 64201

Carter is the leading manufacturer of nozzles qualified in accordance with SAE AS5877 (MIL-N-5877). The 64201H is listed as being qualified on the QPL. The specification defines four nozzles, D-1, D-1R, D-2 and D-2R. The D-1 and D-1R nozzles have an inlet body that includes a 45° elbow. The D-1R is a D-1 with the addition of a Hose End Regulator. The D-2 and D-2R (includes a regulator) have straight inlets. Both units have a military standard 6-bolt inlet flange in accordance with MS33786-40. In addition, the 64201 can be purchased with various options to tailor a nozzle to fit the system requirements. These additional options, although widely utilized in the military, are not covered by any particular specification.



**D-1 Type Nozzle
64201H**



**D-2 Type Nozzle
64201J**



Model 64201N
Nozzle with D-3 Inlet
Shown in both D-1 and D-2 positions

NEW - The Carter 64201 is now available with a D-3 Inlet coupling that can be changed from the D-1 to the D-2 configuration and vice versa. The new variable inlet has been approved for use and is listed on the QPL. This option can be procured as option N to the basic nozzle and it would replace either option H or J.

FEATURES

- All accessories have stainless steel wear ring in swivel ball joint.
- Interlock mechanism internal to nozzle body - no pins to wear aircraft adapter slots.
- No collar or other moving parts on exterior of nozzle with the exception of the operating lever.
- Fewer parts in nozzle will result in lower maintenance costs.
- Very rugged standard composite material installation handles do not include any metal to bend. New options include "U" Bracket for nozzle stowage and one piece stirrup handle with stowage capability - no need to use an aircraft adapter as a stowage device.
- Operating lever opens nozzle in a counter-clockwise direction (64349 was clockwise). This eliminates interference with some aircraft that are not designed to standards.
- Operating lever replaceable from exterior of nozzle and is made of less expensive more ductile material. Also backed up with boss on nozzle body to prevent bending.
- Replaceable knob on operating handle to eliminate razor sharp wear patterns prevalent on competitor's nozzles.

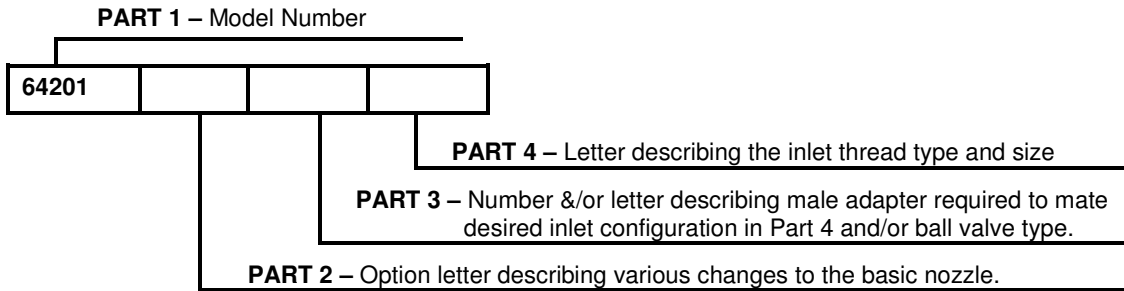
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FEATURES COMMON TO BOTH THE 64349 AND 64201 NOZZLES

- Easier swiveling under all conditions. Swivel independent of quick disconnect.
- Connects to 3-lug international standard aircraft adapter.
- Self-adjusting pressure loaded nose seal. No mechanical adjustments or springs used. Leak free under extreme side loads, worn adapters and extreme temperatures
- Two threaded ports in nozzle body for simultaneous vacuum breaker and product sampling fitting installation are standard.
- Lightweight and rugged.
- Use of bolt flanges minimized.
- Modular construction.
- 2, 2½ & 3" NPT threaded quick disconnect inlets available.
- Optional 40-, 60- & 100-mesh screens retained with snap ring for ease of removal.
- 35, 45 & 55 psi Hose End Regulators available.
- Choice of Ball Valve or Dry Break Disconnect for easy strainer inspection available.
- Bonding cable, vacuum breaker - optional.
- Double redundant safety lock on/easy off quick disconnect.
- Low pressure drop

ORDERING DATA

The part number of a complete nozzle consists of four basic parts as illustrated below:



PART 2

The following options may be added as Part 2 of the part number as indicated above to order a unit to meet your requirements:

OPTION	DESCRIPTION	OPTION	DESCRIPTION
*A	Adds 40-mesh Screen	L	Adds Extended Circular Handle Assy (47535)
*B	Adds 60-mesh Screen	M	Adds Circular Handle Assy (47488)
*C	Adds 100-mesh Screen	N	Adds D-3 Inlet Coupling (47566)
D	Adds Bonding Cable (47235)	Q	Adds camlock style Dust Cap/plug (
E	Adds Vacuum Breaker (41599)	R	Adds Interlock Mounting Bracket
**F3	Adds 35 psi Hose End Regulator	S	Holder Bracket (not needed with Option U)
**F4	Adds 45 psi Hose End Regulator	U	Replaces Stick Handles with Stirrup Handle with integral interlock bracket
**F5	Adds 55 psi Hose End Regulator	V	Adds Bonding Cable (4)7607
H	Elbow Inlet (D-1)	W	Inlet per MIL-C-24356
G	Adds Bonding Cable (47449)	X	Adds Unisex Coupling - non-valved (64019N)
J	Straight Inlet (D-2)		
K	2" female camlock quick disconnect		

* Options A, B, & C only available when a male half or a ball valve from Part 3 is specified.

** To obtain a nozzle with two regulators, specify two options in series, F5F4 results in 55 and 45 psi units with the 55 psi unit assemble as the one nearest the inlet. If two regulators with different pressures are required the higher-pressure unit should be specified first.

PART 3

The configuration of the inlet is defined by adding the appropriate number or number and option letter from the table below in conjunction with the appropriate option letter from Part 4 below. The nozzle may terminate in an adapter half only, if desired. In this case leave Part 4 blank. To obtain a female half, quick disconnect or dry break, or to complete the specification of the ball valve outlet, Part 4 must be completed.

OPTION	DESCRIPTION	OPTION	DESCRIPTION
2	Military male adapter, disconnect	5	2" Uni-Sex Coupling, Valved (64020N)
*3	Adds Ball Valve (64015). If a Ball Valve operating handle and defuel key are required, refer to Bulletin 64015 for details to order.	6	Adds male adapter half to mate standard QD (44316)
D	Adds Glass Inspection Port to Ball Valve. Option 3 only.	7	Adds short male adapter half to mate 61154 Dry Break (44185 with Regulator; 44697 without Regulator).
E	Adds Drag Ring to Ball Valve. Option 3 only.	8	Adds long male adapter to mate 61154 Drybreak QD (44701)
4	Adapter, Male, Swivel QD	9	Adds male adapter half to mate 60427 style quick disconnect. (43046 with Regulator; 44362 without Regulator).

* The inlet size and configuration option from Part 4 must be included in the part number with option "3" to achieve a completed nozzle and ball valve.

PART 4

OPTION	DESCRIPTION	OPTION	DESCRIPTION
H	Inlet thread - 2½" NPT	P	Inlet thread - 2" NPT
K	4" male camlock	Q	Adds dust cap/plug, camlock type
L	Inlet thread - 3" NPT	S	2" female camlock
M	4" female camlock		

PART NUMBER EXAMPLES

Refer to the illustrated options below to help build the custom nozzle desired:

- 64201CEF4HR6H** The basic nozzle with a 100-mesh strainer (C), vacuum breaker (E), 45-psi hose end control valve (F4), 45 inlet elbow (H), interlock bracket (R) standard disconnect (6) with 2 ½" NPT female inlet thread (H).
- 64201CF5F4U6L** The basic nozzle with a 100-mesh strainer (C), dual 55-psi hose end control valves (F4) (the HECV closest to the nozzle will be 55 and the one closest to the nozzle will be 45), stirrup handle (U), standard disconnect (6) with 3" NPT inlet thread (L).
- 64201CF43DEH** The basic nozzle with a 100-mesh strainer (C), 45-psi hose end control valve (F4) (flanged inlet), ball valve (3) with glass viewing port (D), drag ring (E), with 2 ½" NPT inlet thread.
- 64201N** Basic nozzle that has a D-3 inlet coupling that allows the nozzle to be used in either the D-1 or D-2 configuration as desired.

ILLUSTRATED OPTIONS

