Carter® Brand

Close Circuit Refueling Nozzle

Model 64017

Powering Business Worldwide

Design Concepts

Eaton's Carter brand Model 64017 closed circuit refueling (CCR) nozzles are designed to connect to vehicles, helicopters and ground units that have receptacles in accordance with U.S. Army drawing C13219E0479 or equivalent. The nozzles provide "tight fill" capability and limits system pressure. Positive interlock is provided. Both standard and arctic temperature versions are available.

Features

- Standard and arctic nozzles meet latest U.S. Army MIL-PRF-52747F requirements (supercedes MIL-N-53094 for arctic nozzle)
- Meets human engineering standards
- Positive interlock system — nozzle will not open unless connected and closes automatically when disconnected
- Lightweight and rugged construction
- Limits pressure to vehicle adapter to 15 psi (1.034 bar) regardless of inlet pressure
- Standard and arctic versions available
- Standard meets tan color requirements, option to meet green color requirement. (Arctic version is green in accordance with specification).
- Standard Model 64017 meets Type I, Class A requirements, with 100-mesh strainer and 2 inch female camlock inlet
- Optional,Type I, Class B nozzle, comes with 100-mesh strainer, non-valved unisex coupling and dust cap (standard nozzle only)

Ordering Data

The basic Model 64017 is a Type I, Class A CCR nozzle that meets tan color requirement, with 2 inch female camlock inlet, 100-mesh strainer and 15 foot bonding cable. The nozzle may be ordered with various options by adding one or more of the letters as listed in the table below. Some options must be ordered, as noted, to achieve a complete unit.

The basic unit weighs 9.0 lbs (4.082 kg).

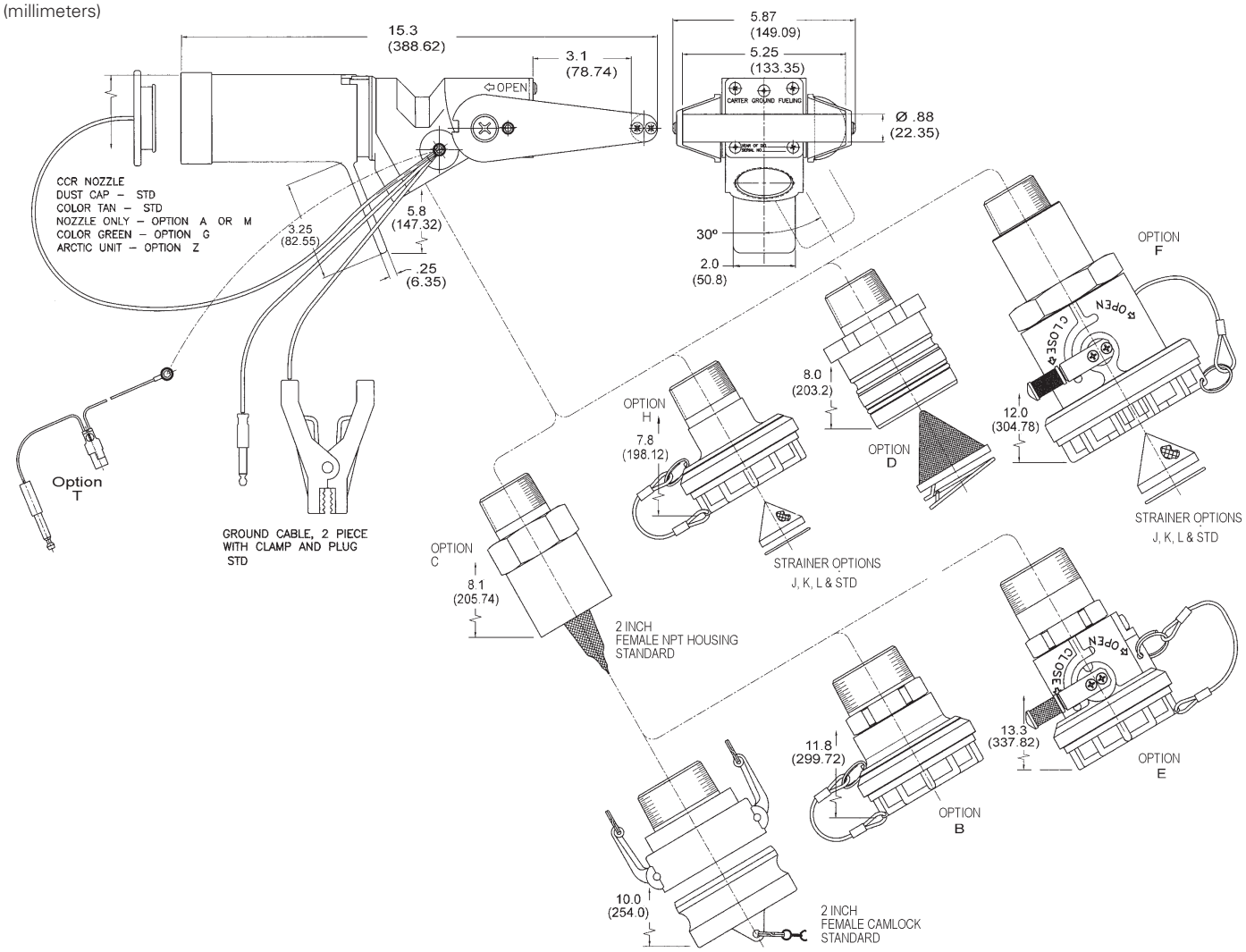
Option Letter	Description	Comments
A	Deletes 2 inch camlock & strainer, 1- ½ inch FNPT inlet. Basic nozzle, less the inlet connection and strainer housing.	Can not combine with B, C, D or F
B	Type I, Class B nozzle, color tan, with non-valved unisex coupling, 100-mesh strainer and 15 foot bonding cable	B option replaces camlock inlet fitting with unisex coupling (non-valved) in accordance with A-A-59377. Can not combine with A, C, D, F or Z
C	Type I, Class A nozzle, color tan, less camlock inlet, includes 100-mesh strainer	Inlet is 2 inch NPT female pipe thread. Can not combine with A, B, C, D, F or Z
D	Type I nozzle with male adapter in inlet to mate Model 61154 dry break	For underwing nozzle interchange connection. Can not combine with A, B, C, F, or Z
E	Replaces standard camlock with 2 inch valved unisex coupling	Can not combine with A, B, C, D or Z
F	Replaces standard camlock with 3 inch valved unisex coupling	Can not combine with A, B, C, D or Z
G	Provides exterior green color	Use option G with basic part number or options B, C or F
H	Adds 2 inch non-valved unisex coupling, no swivel	Can not combine with A, B, C, D or Z
J	Replaces 100-mesh strainer with 60-mesh strainer	
K	Replaces 100-mesh strainer with 40-mesh strainer	
L	Deletes strainer	
M	Basic nozzle with dust cap, deleted ground cable, strainer housing and female camlock	
T	Adds one-piece grounding cable with clip and plug	
Z	Nozzle in accordance with MIL-N-52747, Type II, Class A, or MIL-N-53094 for arctic temperature service	Option Z can not be used with options A, B, F or G. Green exterior color is standard (not available in tan)

Examples:

64017Z	Arctic temperature nozzle, green color, with 2 inch female camlock inlet, 100-mesh strainer and 15 foot bonding cable
64017BG	Standard Type I, Class B nozzle, meets green color requirement, with non-valved unisex coupling per A-A-59377 inlet with dust cap, 100-mesh strainer and 15 foot bonding cable

Illustrated Options

Dimensions shown in inches
(millimeters)



Technical Information

- Operating temperatures:

  -25°F to +140°F
  (-31.66°C to +60°C)
  — standard, Type I

  -65°F to +90°F
  (-53.88°C to +32.22°C)
  — arctic
- Proof pressure — 180 psi (12.41 bar)
- 15 foot bonding cable with plug and clamp standard on all units
- Model 64017B meets Type I, Class B requirements
- Standard Model 64017 meets Type I, Class A requirements
- Operating pressures — 15 to 125 psi (1.034 to 8.618 bar)
- For standard nozzles, specify tan (standard) or green (option G)
- Arctic nozzles (Model 64017Z) available only in green
- Mates U.S. Army adapter in accordance with drawing C13219E0479 or equivalent

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