



## Materials

**Body:** Brass

**Jaws:** Stainless steel

**Seals:** Specially formulated polymers and elastomers specific to high-pressure NGV applications



CC600P36S Coupling End

CC600P36S Hose Connection End

## Features

- ◆ **High-Flow/Fast-Fill Capability** - to provide quick fueling of medium storage vehicles. Internal seals are specially designed to meet the demands of fast-fill NGV fueling.
- ◆ **User-Friendly Push-On/Pull-Off Operation** for smooth, simple engaging and disengaging of nozzle and receptacle without the added step of pulling back a collar. The CC600 is designed to remain securely connected to the receptacle until the nozzle is depressurized after fueling is complete.
- ◆ **Internal Filter Option** - to capture gas-borne debris commonly found in CNG systems. Filter offers protection against impurities in the high velocity gas stream that can damage the nozzle and receptacle seals and the vehicle fuel system. Filter is stainless steel, 250 mesh.
- ◆ **Jaw-Lock Technology** - designed specifically for the frequent coupling and uncoupling of the high-pressure gas connections of NGV fueling. Forces at the contact point are distributed over the entire surface area of the receptacle.
- ◆ **Ergonomic Design** - fits the operator's hand for easy one-hand connecting and disconnecting. Insulated jacket provides thermal protection for operator's hand.

- ◆ **Durable Construction** - brass and stainless steel construction provides excellent corrosion resistance in the harsh refueling environment.
- ◆ **Meets NGV1 Fueling Standard** - can be used to fuel any vehicle with an NGV1 profile receptacle. (See Compatibility Matrix)
- ◆ **Individually Leak Tested and Inspected with Traceable Serial Number.**

## Specifications:

Min. Flow Rate: 1500 SCFM @ 3000 psid

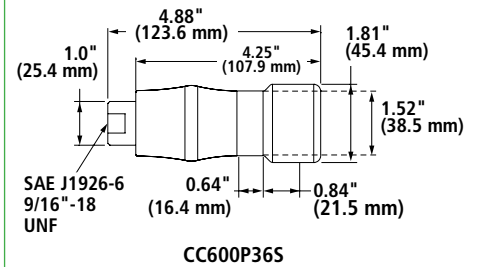
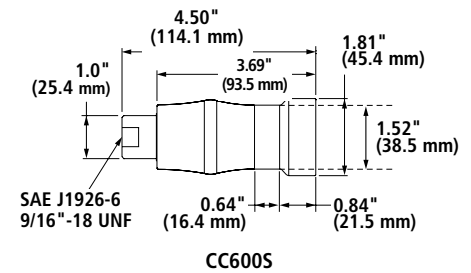
Temperature Range: -40° F to 185° F  
(-40° C to 85° C)

Cv: 1.05

MAWP: 4532 psi (312.5 Bar)

## FIL-MASTER™ CC600 Series Fast-Fill/ Fleet-Fill Nozzles (NGV1 Type 2 or 3)

OPW Fil-Master™ 600 Series Fast-Fill/ Fleet-Fill Nozzles are designed for high-flow CNG fueling systems. Applications include quick-fill fueling of automobiles, light trucks, shuttle buses, vans and time-fill or overnight fleet fueling.



## Ordering Specifications

Product #	Inlet Thread Size	Color	Service Pressure	Weight.
CC600P30NFS	SAE - 6, 9/16" - 18 UNF	Blue	P30 - 3000 psi (200 bar)	1.34 lb. - .61 kg
CC600S	SAE - 6, 9/16" - 18 UNF	Blue	P30 - 3000 psi (200 bar)	
CC600P36NFS	SAE - 6, 9/16" - 18 UNF	Yellow	P36 - 3600 psi (250 bar)	
CC600P36S	SAE - 6, 9/16" - 18 UNF	Yellow	P36 - 3600 psi (250 bar)	

NOTE: NF nozzles do not include 200 micron filter. Connects to any L-Series-NGV-1 CNG Receptacle

## Listings and Certifications



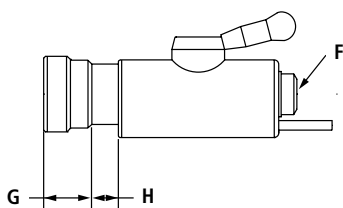
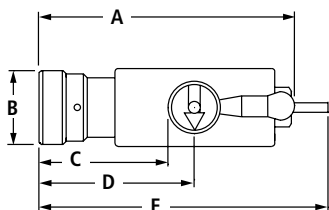
# CRN

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## CT1000 Series Self-Service Nozzles (NGV1 Type 1)

OPW 1000 Series Self-Service Nozzles are designed for high-flow public and private CNG fueling systems. Applications include quick-fill, self-service fueling of automobiles, light trucks, shuttle buses and vans.

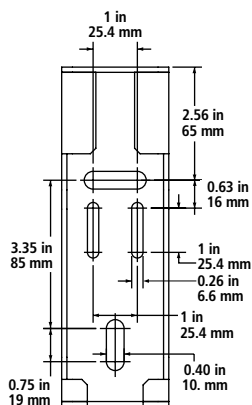


### Dimensions

	CT1000SS		CT1000P365 / CT1000LS	
	in	mm	in	mm
A	6.69	167.8	7.32	185.8
B	1.94	48.9	1.94	48.9
C	3.37	85.1	4.0	102.1
D	4.06	102.4	4.69	119.4
E	7.5	191.0	8.19	208.0
F	Straight Thread O-ring Boss Port SAE-6 J1926 (9/16" - 18 UNF-2B)			
G	1.24	31.4	2.01	51.2
H	0.75	19	0.72	18.4

### Dispenser Mount

210644 Stainless steel, II gage



Front View



### Materials

**Body:** Brass

**Jaws:** Stainless steel

**Seals:** Specialty polymers and elastomers for NGV applications

CT1000P365  
Coupling End



CT1000P365  
Hose Connection End

### Features

- ◆ **High-Flow/Fast-Fill Capability** - provides quick fueling of medium storage vehicles. Internal seals are designed for fast-fill NGV fueling.
- ◆ **User-Friendly Single-Action Operation** - engage nozzle and receptacle with a 180° rotation of the handle. This secures nozzle jaws onto receptacle, activating a system of three internal valves that regulate fueling. The nozzle will not dispense gas until securely engaged onto an appropriate receptacle. When fueling is complete, rotate the handle to the disconnect position to automatically stop the flow of gas into the vehicle, vent the trapped gas and release the nozzle from the receptacle. The 1000 Series nozzles connect directly to the hose, with no need for a three-way valve. Designed for public or private self-service applications, no attendant is needed.
- ◆ **Directed Vent (CT1000)** - captures the gas vented at disconnect and directs it out of the nozzle via a 1/4" stainless steel vent tube (requires -4 compression adaptor), which can be piped to a remote venting location or back to the upstream side of the compressor. Capturing vent gas is environmentally desirable by agencies such as the EPA and provides an added measure of safety by minimizing the amount of gas present at the filling site. It also reduces vent noise and eliminates escaped gas smell.
- ◆ **Jaw-Lock Technology** - designed specifically for the frequent coupling and uncoupling of the high-pressure gas connections of NGV fueling. Forces at the contact point are distributed over the entire surface area of the receptacle.
- ◆ **Ergonomic Design** - one simple and convenient motion ensures connection and dispensing by all users. Insulated jacket protects operator's hand.
- ◆ **Durable Construction** - heavy-duty brass and stainless steel construction provides corrosion resistance in the harsh refueling environment.
- ◆ **Meets NGV1 Fueling Standard** - can be used to fuel any vehicle with an NGV1 profile receptacle. (See Compatibility Matrix)
- ◆ **Tamper Resistant** - specially designed cam system actuates the front and rear module. Tampering with the valve results in immediate dispensing shut-off.
- ◆ **Individually Leak Tested and Inspected with Traceable Serial Number**

### Specifications:

Min. Flow Rate: 1200 SCFM @ 3000 psid

Temperature Range: -40° F to 185° F  
(-40° C to 85° C)

Cv: 0.84

MAWP: 4532 psi (312.5 Bar)

### Ordering Specifications

Product #	Inlet Thread Size	Service Pressure		Weight	
CT1000SS	SAE - 6, 9/16" - 18 UNF	3000 psi	200 bar	3.61 lbs.	1.63 kg
*CT1000LS Same as CT1000SS. Adds a Guide Ring	SAE - 6, 9/16" - 18 UNF	3000 psi	200 bar	3.66 lbs.	1.66 kg
CT1000P365	SAE - 6, 9/16" - 18 UNF	3600 psi	250 bar	3.65 lbs.	1.65 kg

### Listings and Certifications



**CRN**

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## Materials

**Body:** Brass

**Jaws:** Stainless steel

**Seals:** Specially formulated polymers and elastomers specific to high-pressure NGV applications.

CT5000S  
Coupling End



CT5000S  
Hose  
Connection End

## Features

- ◆ **High-Flow/Fast-Fill Capability** - to provide quick fueling of large storage vehicles. Internal seals are specially designed to meet the demands of fast-fill NGV fueling.
- ◆ **User-Friendly Single-Action Operation** - entire fueling operation is initiated by simply engaging nozzle and receptacle with a single 180° rotation of the handle. This automatically secures the nozzle jaws onto the receptacle and activates a system of three internal valves that regulate fueling. The nozzle will not dispense gas until securely engaged onto an appropriate receptacle. When fueling is completed, rotation of the handle to the disconnect position automatically stops the flow of gas into the nozzle, vents the trapped gas and releases the nozzle from the receptacle. The 5000 Series nozzles connect directly to the hose, eliminating the need for a three-way valve. They are designed for public or private self-service applications, eliminating the need for a trained attendant.
- ◆ **Directed Vent** - directs the gas vented at disconnect and directs it out of the nozzle via a 3/8" stainless steel tubing connection (requires -6 compression adaptor), which can be piped to a remote venting location or back to the upstream side of the compressor. Directing the vent gas is environmentally desirable and will provide an added measure of safety by minimizing the amount of gas present

at the filling site. It also reduces vent noise and escaped gas smell.

- ◆ **Jaw-Lock Technology** - designed specifically for the frequent coupling and uncoupling of the high-pressure gas connections of NGV fueling. Forces at the contact point are distributed over the entire surface area of the receptacle.
- ◆ **Ergonomic Design** - one simple and convenient motion ensures connection and dispensing by all users. Insulated jacket provides thermal protection for operator's hand.
- ◆ **Durable Construction** - brass and stainless steel construction provides excellent corrosion resistance in the harsh refueling environment.
- ◆ **Tamper Resistant** - specially designed cam system actuates the front and rear valve module. Any tampering with the valve will result in an immediate shut-off of the dispensing process.
- ◆ **Individually Leak Tested and Inspected with Traceable Serial Numbers**

## Specifications:

Min. Flow Rate: 5000 SCFM @ 3000 psid

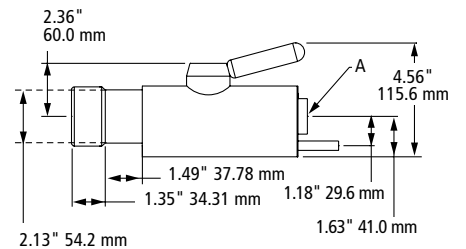
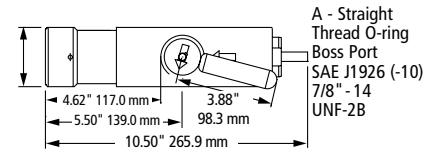
Temperature Range: -40° F to 185° F  
(-40° C to 85° C)

Cv: 2.75

MAWP: 4532 psi (312.5 Bar)

## CT5000 Series Bus/Heavy-Duty Truck Nozzles (Type 1)

OPW 5000 Series nozzles are designed for extremely high-flow public and private CNG fueling systems. Applications include quick-fill, self-service fueling of transit buses and large trucks.



CT5000S and CT5000S-CE

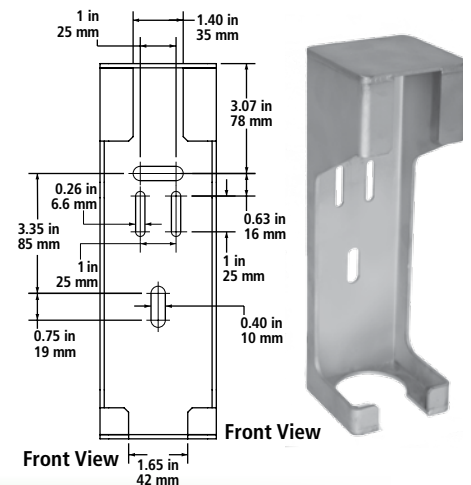
## Ordering Specifications

Product #	Inlet Thread Size	Service Pressure	Weight
CT5000S (directed vent)	SAE - 10, 7/8" - 14 UNF	3625 psi (250 bar)	8.77 lb. - 3.98 kg
CT5000S-CE (for EU & 150-14469-2 Markets)	SAE - 10, 7/8" - 14 UNF	3625 psi (250 bar)	8.77 lb. - 3.98 kg

Connects to CL50 Series heavy-duty receptacles

## Dispenser Mount

210642 Stainless steel, II gage



## Listings and Certifications



CE 0036

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