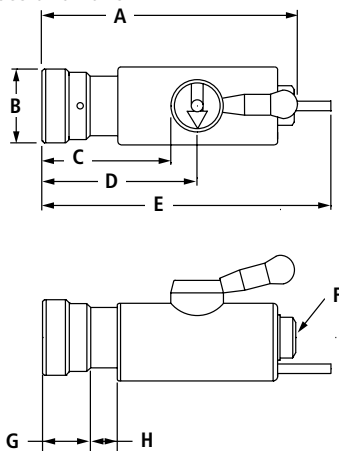


## CT1000 Series Self-Service Nozzles (NGV1 & ISO14469 Type 1)

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

	CT1000P36S / CT1000LS	
	in	mm
A	7.32	185.8
B	1.94	48.9
C	4.0	102.1
D	4.69	119.4
E	8.19	208.0
F	Straight Thread O-ring Boss Port SAE-6 J1926 (9/16" - 18 UNF-2B)	
G	2.01	51.2
H	0.72	18.4

### Materials

**Body:** Brass

**Jaws:** Stainless steel

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

CT1000P36S  
Coupling End



CT1000P36S  
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.
- ◆ **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	Vent Tube Size OD		Service Pressure	Weight	
CT1000LS	SAE - 6, 9/16" - 18 UNF	1/4"	NGV1P30 ISO14469 B200	3000 psi 200 bar	3.66 lbs.	1.66 kg
CT1000P36S	SAE - 6, 9/16" - 18 UNF	1/4"	NGV1P36 ISO14469 B250	3600 psi 250 bar	3.65 lbs.	1.65 kg

### Listings and Certifications



NGV1  
ISO14469

CRN

See page 23 for Canadian Registration Number

## Canadian Registration Numbers by Province

Canadian Registration Numbers OPW CleanEnergy Products	British Columbia	Alberta	Ontario	Quebec	Saskatchewan	Manitoba	Nova Scotia	New Brunswick
NT2A series	0C21049.21	0C21049.2	0C21049.25	0C21049.26	0C21049.23	0C21049	0C21049.29	0C21049.29
CT1000 series	0H18834.21	0H18834.2	0H18834.25	0H18834.26	0H18834.23	0H18834.24	0H18834.28ADD1	0H18834.27ADD1
CT5000	0H15417.51	0H18834.2	0H15417.5	0H15417.56	0H15417.56	0H15417.54	0H15417.58ADD1	0H18834.27
CC600 series	0H18834.21	0H18834.2	0H18834.25	0H18834.26	0H18834.23	0H18834.24	0H18834.28ADD1	0H18834.27ADD1
ILB-1	0H18834.21	0H18834.2	0H18834.25	0H18834.26	0H18834.23	0H18834.24	0H18834.28ADD1	0H18834.27ADD1
ILB-5	0H15417.51	0H15417.52	0H15417.5	0H15417.56	0H15417.56	0H15417.56	Pending	Pending
VLB	0H13989.51	0H13989.52	0H13989.5	0H13989.56	0H13989.56	0H13989.56	Pending	Pending
FLB-1000	0H17341.51	0H17341.52	0H17341.5	0H17341.56	0H17341.56	0H17341.56	0H17341.5987	0H17341.5987
FLB-5000	0H17341.51	0H17341.52	0H17341.5	0H17341.56	0H17341.56	0H17341.56	0H17341.5987	0H17341.5987
NGVLB	0H17341.51	0H17341.52	0H17341.5	0H17341.56	0H17341.56	0H17341.56	0H17341.5987	0H17341.5987
BDN	Pending	0H17140.21	0H17140.25	0H17190.26	Pending	0H17140.24	Pending	Pending

### TUV Approved

- ◆ NT2A series nozzles
- ◆ CT1000 series nozzles
- ◆ CT5000 series nozzles
- ◆ CC 6000 series nozzles
- ◆ ILB series breakaways
- ◆ FLB series breakaways
- ◆ NGVLB series breakaways
- ◆ LB, LD, LE series receptacles
- ◆ CL series receptacles