



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.

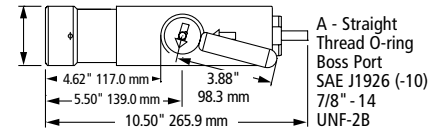
- ◆ **Jaw-Lock Technology** - designed specifically for the frequent coupling and uncoupling of the high-pressure gas connections of NGV fueling. Forces at the contact point are distributed over the entire surface area of the receptacle.
- ◆ **Ergonomic Design** - one simple and convenient motion ensures 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:

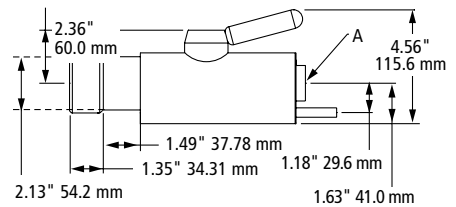
Min. Flow Rate: 5000 SCFM @ 3000 psid
 Temperature Range: -40° F to 185° F
 (-40° C to 85° C)
 Cv: 2.75
 MAWP: 4532 psi (312.5 Bar)

CT5000 Series Bus/ Heavy-Duty Truck Nozzles (NGV1 & ISO14469 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



Ordering Specifications

Product #	Inlet Thread Size	Vent Tube Size OD	Service Pressure
CT5000S (directed vent)	SAE - 10 7/8" 14 UNF	3/8"	NGV1P30HD JAW profile w/service pressure rated to 3600 psi 8.77 lb. - 3.98 kg

Connects to CL50 Series heavy-duty receptacles

Listings and Certifications



PED
2014/68/EU
NGV1
ISO14469

CE 0036

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