



Materials

Body and Internal Components:
316L stainless steel

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



Features

- ◆ **Durable Corrosion-Resistant Construction** - stainless steel and brass provide improved durability and corrosion resistance in the harsh environments. All wetted components are CNG fuel compatible.
- ◆ **Jaw-Lock Connection** - to ensure against damage to the receptacle during the defueling process.
- ◆ **User-Friendly Operation** - low force actuation lever provides enough mechanical advantage to open receptacle check valves with up to 4500 psi pressure differentials.
- ◆ Shaft extenders are included inside the handle to open receptacle check valves.
- ◆ **NOTE:** Remove Filter from Receptacle if present.
- ◆ **SAE -6 O-ring Outlet Port** allows for standard fittings to be used when connecting nozzle to hose.
- ◆ Check valves installed on the vehicle, behind the receptacle, will prevent the BDN from functioning.
- ◆ **BDN Connects to OPW's NGV-1 Style Receptacle.**
- ◆ **Individually Leak Tested and Inspected with Traceable Serial Numbers**
- ◆ **CRN'S Pending**

Specifications:

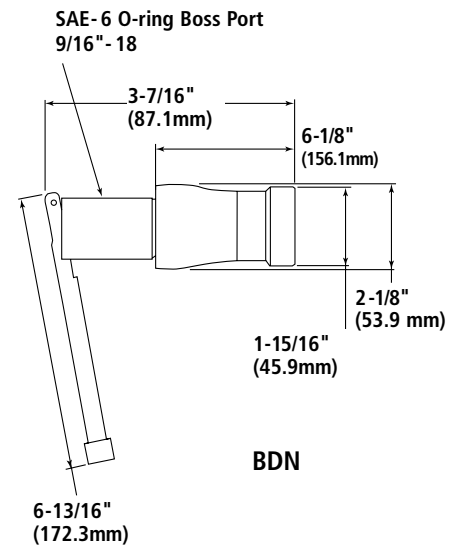
Temperature Range: -40° F to 185° F
(-40° C to 85° C)

Cv: 0.5

MAWP: 6250 psi (430 bar) BDN

BDN Vehicle Defueling Nozzles

OPW tool to safely depressurize vehicles. This valve can also be used to transfer fuel from one vehicle to another in the event of a breakdown on the side of the road, or in areas where no refueling station is available. This nozzle should be hooked up to a check valve, three-way valve, hose and appropriate storage tank or fueling device.

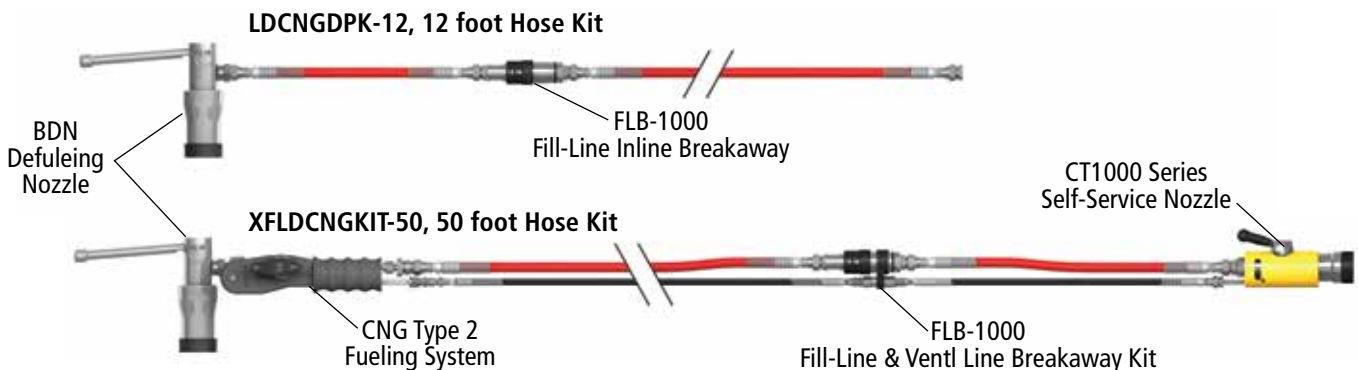


Ordering Specifications

Product #	Outlet Thread Size	Receptacle/Connection	Service Pressure	Weight
BDN for CNG Service	SAE -6, 9/16"-18 UNF	OPW NGV1 Profile	3600 psi 250 bar	3 lb. (1.35 kg)

BDN Defueling Nozzle Hose Kits

Contact OPW for Alternate Configurations.



Listings and Certifications



CE 0036

CRN

See page 33 for Canadian Registration Number

CleanEnergy Nozzle Compatibility Matrix



	CNG Nozzles	CNG Breakaways		NEW CNG Breakaways & CNGBREAKKITS			Standard NGV1 CNG Receptacles NOTE: These use Receptacle Fit Gage RINGO-0001						High Flow CNG Receptacles NOTE: These use Receptacle Fit Gage RINGO-0005						Nozzle Gages				
		ILB-1	ILB-5	FLB 1000 & CNG BREAK KIT-1000	FLB 5000 & CNG BREAK KIT-5000	NGVLB	LB30	LD30	LE30	LB36	LD36	LE36	CL40	CL4078	CL50	CL5000	CL5016	CL5078	JAWGO -1	JAWGO -5			
NGV1	Type 1	PGXXP30	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	
		PGXXP36	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X
		CT1000SS (3,000 psi/ 200 bar)	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X
		CT1000P36S (3,600 psi/ 250 bar)	✓	X	✓	X	✓	X	X	X	✓	✓	✓	X	X	X	X	X	X	X	✓	✓	X
	Type 2 & 3	CC300P30S (3,000 psi/ 200 bar)	✓	X	✓	X	✓	✓	✓	✓	✓	✓	X	X	X	X	X	X	X	✓	✓	X	
		CC300P36S (3,600 psi/ 250 bar)	✓	X	✓	X	✓	X	X	X	✓	✓	X	X	X	X	X	X	X	✓	✓	X	
		CC600S (3,000 psi/ 200 bar)	✓	X	✓	X	✓	✓	✓	✓	✓	✓	X	X	X	X	X	X	X	✓	✓	X	
		CC600P36S (3,600 psi/ 250 bar)	✓	X	✓	X	✓	X	X	X	✓	✓	X	X	X	X	X	X	X	✓	✓	X	
		CC600 Series Nozzle including 3-Way Valve (3WV series) (3,600 psi/ 250 bar & 3,000 psi/ 200 bar)	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	X	
	Type 3	CC250 (3,000 psi/ 200 bar)	✓	X	✓	X	✓	✓	✓	✓	✓	✓	X	X	X	X	X	X	X	X	X	X	
		CC270 (3,000 psi/ 200 bar)	✓	X	✓	X	✓	✓	✓	✓	✓	✓	X	X	X	X	X	X	X	X	X	X	
	Bus / High Flow	Type 1	CT5000S (3,600 psi/ 250 bar)	X	✓	X	✓	✓	X	X	X	X	X	X	X	X	X	X	X	X	X	✓	
		Type 2	CC6000 (3,600 psi/ 250 bar)	X	✓	X	✓	✓	X	X	X	X	X	X	X	X	X	X	X	X	X	✓	
CNG Defueling	BDN (3,600 psi/ 250 bar)	✓	X	✓	X	✓	✓	✓	X	✓	✓	X	X	X	X	X	X	X	✓	✓	X		

CleanEnergy Hose Kit Compatibility Matrix

Fully Factory Assembled and Tested



			Time Fill			Light Duty (LD)					Heavy Duty (HD)		Extra Heavy Duty (XHD)	Defueling		
			2' Whip Hose / 14' Main Hose	2' Whip Hose / 18' Main Hose	8' Whip Hose / 12' Main Hose	2' Whip Hose / 8.3' Main Hose	2' Whip Hose / 8.3' Main Hose	2' Whip Hose / 10' Main Hose	2' Whip Hose / 13' Main Hose	2' Whip Hose / 13' Main Hose	2' Whip Hose / 13' Main Hose	2' Whip Hose / 8.3' Main Hose	2' Whip Hose / 8.3' Main Hose	2' Whip Hose / 8.3' Main Hose	10' Whip Hose / 2' Main Hose	25' Whip Hose / 25' Main Hose
			Hose Kit Component	TFCNG KIT-14C36	TFCNG KIT-20B36	TFCNG KIT-20D36	LDCNG KIT-11	LDCNG KIT-11 FLB	LDCNG KIT-12	LDCNG KIT-15A	LDCNG KIT-20B36	HDCNG KIT-11	HDCNG KIT-11FLB	XHDCNG KIT-10	LDCN DPK-12	XFLDCNG KIT-50
Nozzles	NGV1	Type 1	PGXXP30	X	X	X	Contact OPW for Quote					X	X	X	X	X
		PGXXP36	X	X	X	Contact OPW for Quote					X	X	X	X	X	
		CT1000SS	X	X	X	X	X	X	✓	X	X	X	X	X	X	X
		CT1000P36S	X	X	X	✓	✓	✓	X	X	X	X	X	X	X	✓
	Type 2 & 3	CC600 Nozzle including 3-Way Valve	✓	✓	✓	X	X	X	X	✓	X	X	X	X	X	X
	Bus / High Flow	Type 1	CT5000S	X	X	X	X	X	X	X	X	✓	✓	✓	X	X
	Defueling	BDN	X	X	X	X	X	X	X	X	X	X	X	X	✓	✓ with 3WV-46D
Fill Line Break-aways	Standard Duty	ILB-1	X	X	X	✓	X	X	X	X	X	X	X	X	X	X
		FLB-1000	X	X	X	X	X	X	X	X	X	X	X	X	✓	X
		CNGBREAK KIT-1000	✓	✓	✓	X	✓	✓	✓	✓	X	X	X	X	X	✓
Fill Line Break-aways	Bus / High Flow	ILB-5	X	X	X	X	X	X	X	X	X	✓	X	X	X	X
		FLB-5000	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		CNGBREAK KIT-5000	X	X	X	X	X	X	X	X	X	✓	✓	✓	X	X
Vent Line Breakaways	NGVLB	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	X	✓	
Hose Retractor	6102-CNG	X	X	X	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓
	6102-CNG2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6102-CNG3	X	X	X	X	X	X	X	X	✓	✓	X	X	X	X	X
	6102-CNG4	✓	✓	✓	X	X	X	X	X	X	X	X	X	X	X	X

Canadian Registration Numbers by Province

Canadian Registration Numbers OPW CleanEnergy Products	British Columbia	Alberta	Ontario	Quebec	Saskatchewan	Manitoba	Nova Scotia	New Brunswick
PG series	pending	pending	pending	pending	pending	pending	pending	pending
CT1000 series	0H13989.51	0H13989.52	0H13989.5	0H13989.56	0H13989.56	0H13989.56	pending	pending
CT5000	0H15417.51	0H15417.52	0H15417.5	0H15417.56	0H15417.56	0H15417.54	0H15417.58ADD1	pending
CC600 series	0H13989.51	0H13989.52	0H13989.5	0H13989.56	0H13989.56	0H13989.56	pending	pending
ILB-1	0H13989.51	0H13989.52	0H13989.5	0H13989.56	0H13989.56	0H13989.56	pending	pending
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 (new)	0H17341.51	0H17341.52	0H17341.5	0H17341.56	0H17341.56	0H17341.56	0H17341.5987	0H17341.5987
FLB-5000 (new)	0H17341.51	0H17341.52	0H17341.5	0H17341.56	0H17341.56	0H17341.56	0H17341.5987	0H17341.5987
NGVLB (new)	0H17341.51	0H17341.52	0H17341.5	0H17341.56	0H17341.56	0H17341.56	0H17341.5987	0H17341.5987
BDN	Pending	0H17140.2	Pending	Pending	Pending	Pending	Pending	Pending

TUV Approved

- ◆ PGXXP3X Series
- ◆ CT1000 series nozzles
- ◆ CT5000 series nozzles
- ◆ CC 200 series nozzles
- ◆ CC 300 series nozzles
- ◆ CC 600 series nozzles
- ◆ CC 6000 series nozzles
- ◆ ILB series breakaways
- ◆ FLB series breakaways
- ◆ NGVLB series breakaways
- ◆ LB, LD, LE series receptacles
- ◆ CL series receptacles