



L SERIES

OPW L Series fueling receptacles are designed for use on medium storage natural gas vehicles, including automobiles, light trucks, shuttle buses and vans.



Features

◆ High-Flow Capacity

The L Series receptacles have much larger flow capacity than conventional receptacles. The flow path allows very high flows, combined with low pressure drop and enhanced resistance to hydrate formation.

◆ Durable, Corrosion-Resistant Construction

All OPW receptacles are made from stainless steel.

◆ Non-Contact Check Valve

Each OPW receptacle contains a highly reliable non-contact check valve that opens only when differential pressure is present during fueling.

◆ Unique Sealing System

The sealing system in all OPW receptacles consists of a stainless steel poppet that aligns with a rearward facing, captured seal located in the receptacle body. This arrangement prevents: seal "wash-out" during high-flow conditions and "cratering" due to debris. The seal material has exceptionally long service life, resists creep and deformation and has exceptional wear resistance under all operating pressure and temperature conditions. The poppet is treated, impact-resistant stainless steel with a polished surface to provide reliable sealing at low back pressures.

◆ Bulkhead or Straight Thread

The L Series allows the user to order a complete receptacle or buy and assemble their own adaptor shaft. They come with and without bulkhead fitting and with or without filter. The external bulkhead nut costs less than conventional stainless steel fittings. L Series receptacles can be used with

parallel thread or compression tube fittings. L Series bodies come with either wrench flats or hex to ease vehicular mounting.

◆ Filtered Receptacle (LE)

Filters capture dirt and gas-borne debris commonly found in CNG systems. Filtered receptacles protect the receptacle seals and the vehicle fuel system. A 50-micron filter is incorporated ahead of the receptacle check valve.

◆ Design Your Own Sub-System

The OPW L Series receptacles come with the following standard features: rubber dust cap, mounting hex or wrench flats. LD and LE receptacles come with a standard external bulkhead nut.

The bulkhead fittings allow the use of inexpensive compression tube fittings. A 50-micron filter upstream of the poppet seal is available as an option. All adaptor shafts can be purchased from OPW or from your supplier of choice.

OPW L Series Receptacles are designed for medium storage NGV at 200 Bar (3000 psi) or 250 Bar (3600 psi) operating pressure.

◆ Rubber Dust Cap

Standard protective dust caps are supplied with all receptacles.

◆ Serviceable O-ring

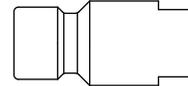
Designed to prevent leakage at the connection point.

CNG Receptacles

OPW offers a complete line of fueling receptacles for any natural gas vehicle (NGV) application. Our receptacles form part of a dedicated system designed specifically for fueling NGV.

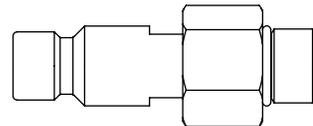
LB

- Wrench Flats



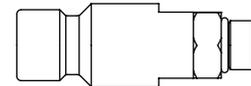
LBXX78

- 7/8 - 14 UNF - 2A



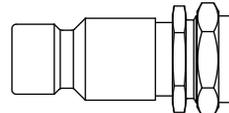
LBXX16

- 9/16 - 18 - UNF - 2A



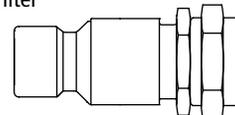
LD

- Bulk Head



LE

- Bulk Head
- Filter



**Listings and
Certifications**

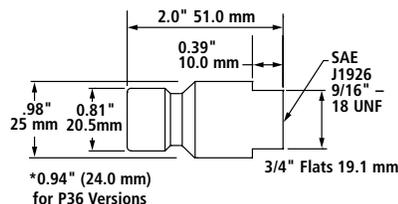


**NGV1
ISO14469**

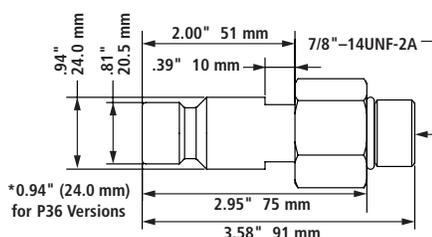


L Series Fueling Receptacles

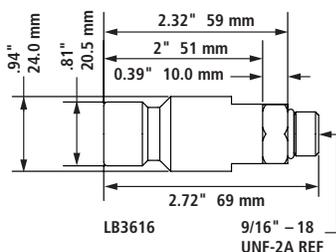
OPW L Series Refueling Receptacles are designed for use on medium storage natural gas vehicles, including automobiles, light trucks, shuttle buses and vans.



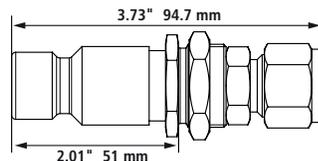
LB30 / LB36



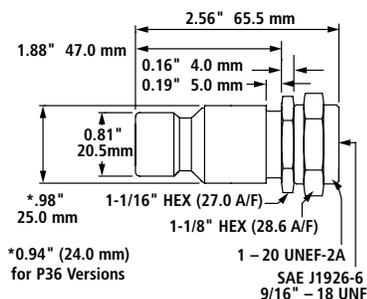
LBXX78



LB3616



LD36B50 / LE36B50



LD30 / LD36 / LE30 / LE36

Materials

Body: Stainless steel

Internal Parts: Stainless steel and brass

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



LB30 or LB36

Features

- ◆ Protective Rubber Dust Caps - included with all OPW "L" series receptacles.

Specifications:

Min. Flow Rate: 1500 SCFM @ 3000 psid
 Temperature Range: -40° F to 85° F
 (-40° C to 85° C)

Cv: LB = 0.91

LD = 0.85

LE = 0.83

MAWP: 5000 psi (345 Bar)

Ordering Specifications

Product #	Type/Size	Service Pressure		Weight	
LB30	NGV1 P30; ISO14469 B200 Receptacle w/ 3/4" Flats	3000 psi.	200 bar	.31 lb.	.14 kg
LB36	NGV1 P36; ISO14469 B250 Receptacle w/ 3/4" Flats	3600 psi.	250 bar	.31 lb.	.14 kg
LB3078	LB30 + 50061	3000	200	0.68	0.31
LB3678	LB36 + 50061	3600	250	0.74	0.34
LB3616	LB36 + 50030	3600	250	0.42	0.19
LD30	NGV1 P30; ISO14469 B200 Receptacle w/ Bulkhead	3000 psi.	200 bar	.44 lb.	.2 kg
LD36	NGV1 P36; ISO14469 B250 Receptacle w/ Bulkhead	3600 psi.	250 bar	.44 lb.	.2 kg
LD36B50	LD36 + 212435	3600 psi.	250 bar	.44 lb.	.2 kg
LE30	NGV1 P30; ISO14469 B200 Receptacle w/ Bulkhead and Filter	3000 psi.	200 bar	.44 lb.	.2 kg
LE36	NGV1 P36; ISO14469 B250 Receptacle w/ Bulkhead and Filter	3600 psi.	250 bar	.44 lb.	.2 kg
LE36B50	LE36 + 212435	3600 psi.	250 bar	.44 lb.	.2 kg
1141	Replacement "Interface" O-ring for L Series receptacles				
001147	Replacement Rubber Dust Cap				

Adaptor Shafts: Can be threaded into LB/LD/LE receptacles above. Materials: Stainless steel

Adaptor Shafts P/N	Description	Weight	
		lbs.	kg
50030	Adaptor Shaft SAE-6 (9/16" - 18 UNF - 2A) x SAE-6 (9/16" - 18 UNF - 2A)	0.07	0.03
50061	Adaptor Shaft SAE-10 (7/8" - 14 UNF - 2A) x SAE-6 (9/16" - 18 UNF - 2A)	0.12	0.05
50066	SAE-6, (9/16" x 18 UNF) to 3/8" Tube Fitting with Cap, Ferrule and Swage Ring	0.09	0.04
212435	SAE-6, (9/16" x 18 UNF) to 1/2" Tube Fitting with Cap, Ferrule and Swage Ring	0.09	0.04

Listings and Certifications



CE 0036



NGV1 ISO14469

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