CNG

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**

  Stainless-steel construction provides improved durability and corrosion resistance in the everyday environment.

- **Non-Contact Check Valve**

  Each OPW L Series Receptacle contains a highly reliable non-contact check valve that opens when differential pressure is present during refueling.

- **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 and has exceptional wear resistance under all operating pressure and temperature conditions.

- **Bulkhead or Straight Thread**

  L Series receptacles can be used with parallel thread or compression-tube fittings, See OPW offerings on the next page. If you don't see an offering that meets your needs, contact our product management team.

  LD & LE Series bodies have Hex flats and bulk head nuts to ease vehicular mounting. The LB Series have wrench flats but no bulk head nut.

- **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.

- **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.

  Need a receptacle with a specific fitting? Don't want the dust cap? Contact our product management team to create the perfect receptacle system to meet your needs.

  Connects to the CT1000 Series and NT2A series Standard duty CNG Nozzles for filling and the BDN for P30 and P36 de-fueling.

- **Rubber Dust Cap**
  Standard protective dust caps are supplied with all receptacles.

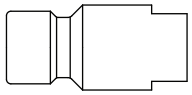
- **Serviceable O-ring**
  Designed to prevent leakage at the connection point.

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.

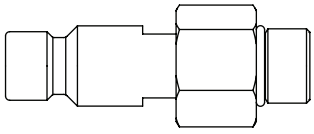
LB

- Wrench Flats



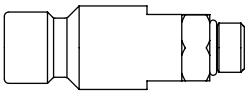
LBXX78

- 7/8 - 14 UNF - 2A



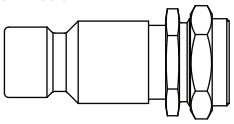
LBXX16

- 9/16 - 18 - UNF - 2A



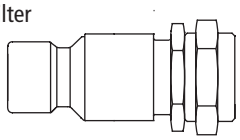
LD

- Bulkhead



LE

- Bulkhead
- Filter



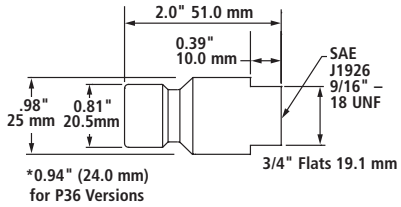
Listings and Certifications

TÜV SÜD Industry Service | E24 110R | NGV1 ISO14469

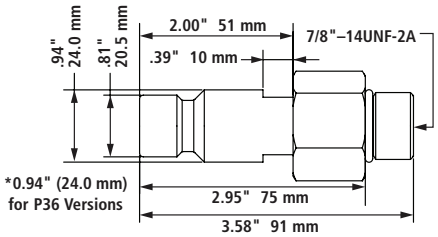
9393 Princeton-Glendale Road ◆ Hamilton, Ohio USA 45011 ◆ Phone: (800) 422-2525 ◆ Fax: (800) 421-3297
REVISED: 06/24/2025

L Series Fueling Receptacles

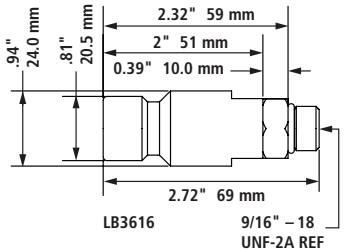
OPW L Series Refueling Receptacles are designed for use on medium-storage natural gas vehicles, including automobiles, light trucks, shuttle buses and vans.

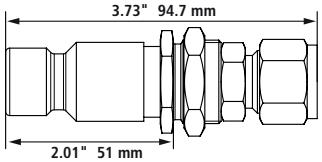


LB30 / LB36

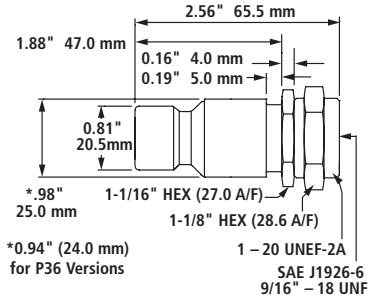


LBXX78





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 psi.	200 bar	0.68 lb.	0.31 kg
LB3678	LB36 + 50061	3600 psi.	250 bar	0.74 lb.	0.34 kg
LB3616	LB36 + 50030	3600 psi.	250 bar	0.42 lb.	0.19 kg
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
LD36B375	LD36 + 50066	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
001141	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.	Weight 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

TÜV SÜD Industry Service

E24 110R

NGV1
ISO14469