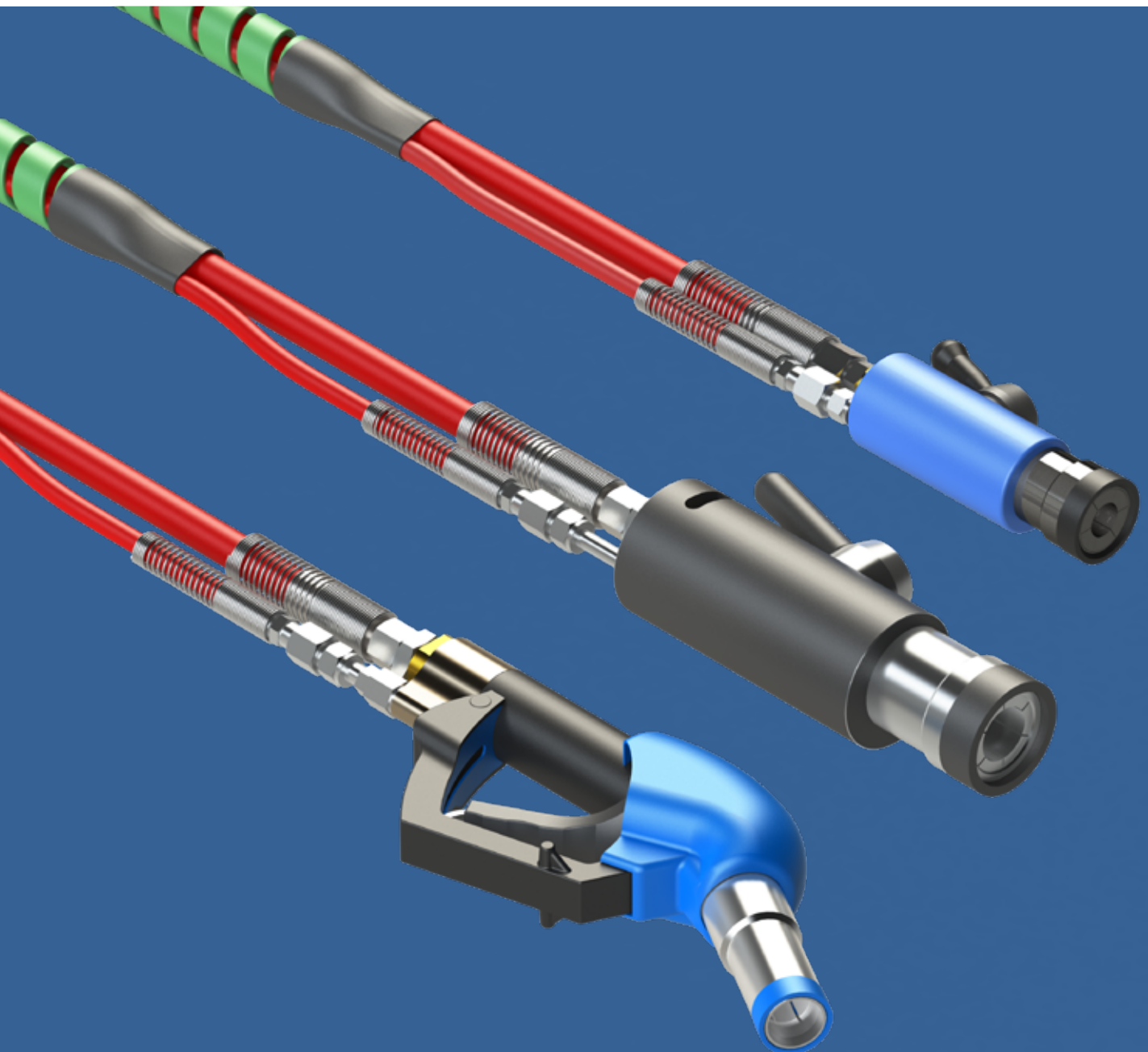
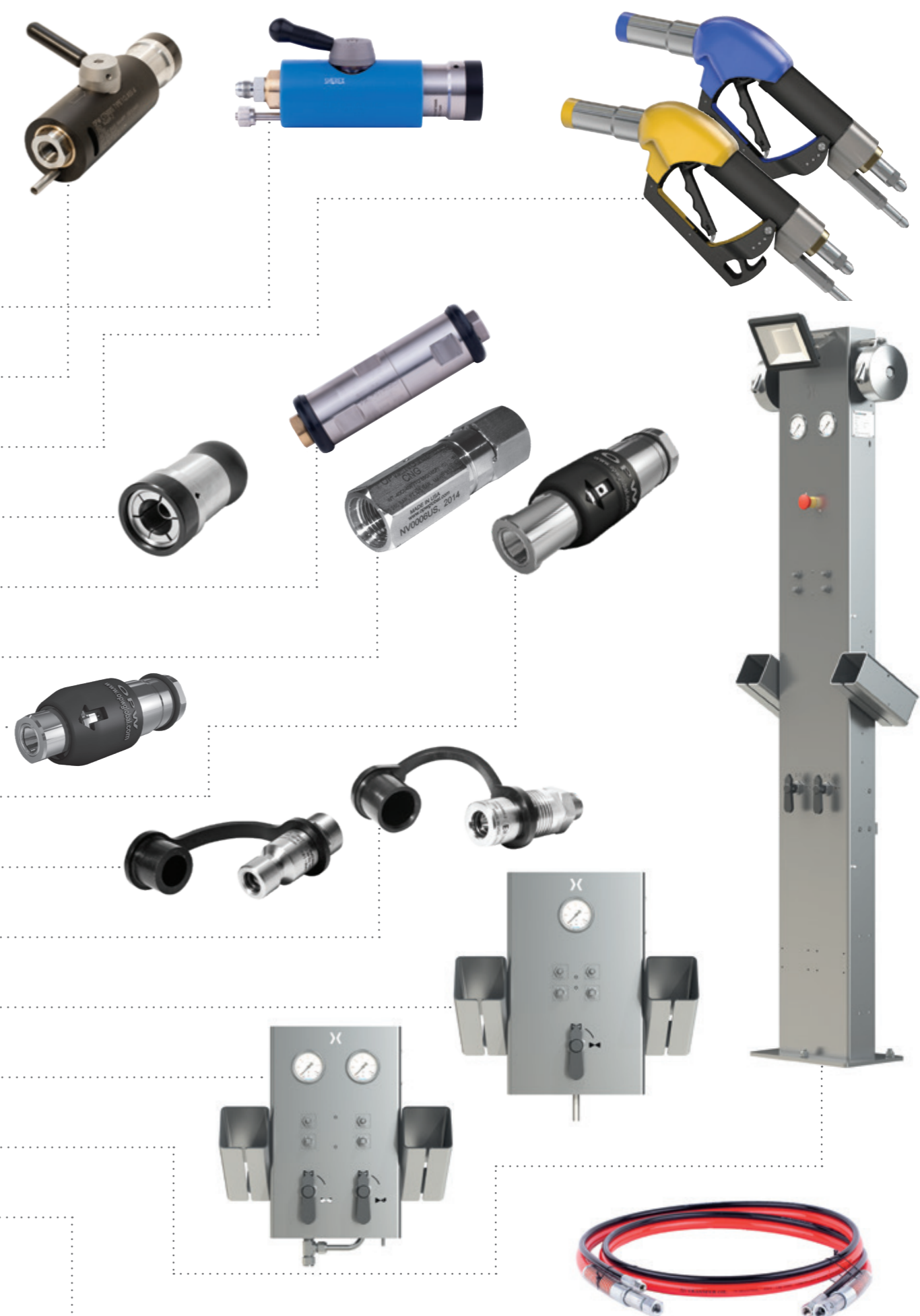


# CBG/CNG Fueling products

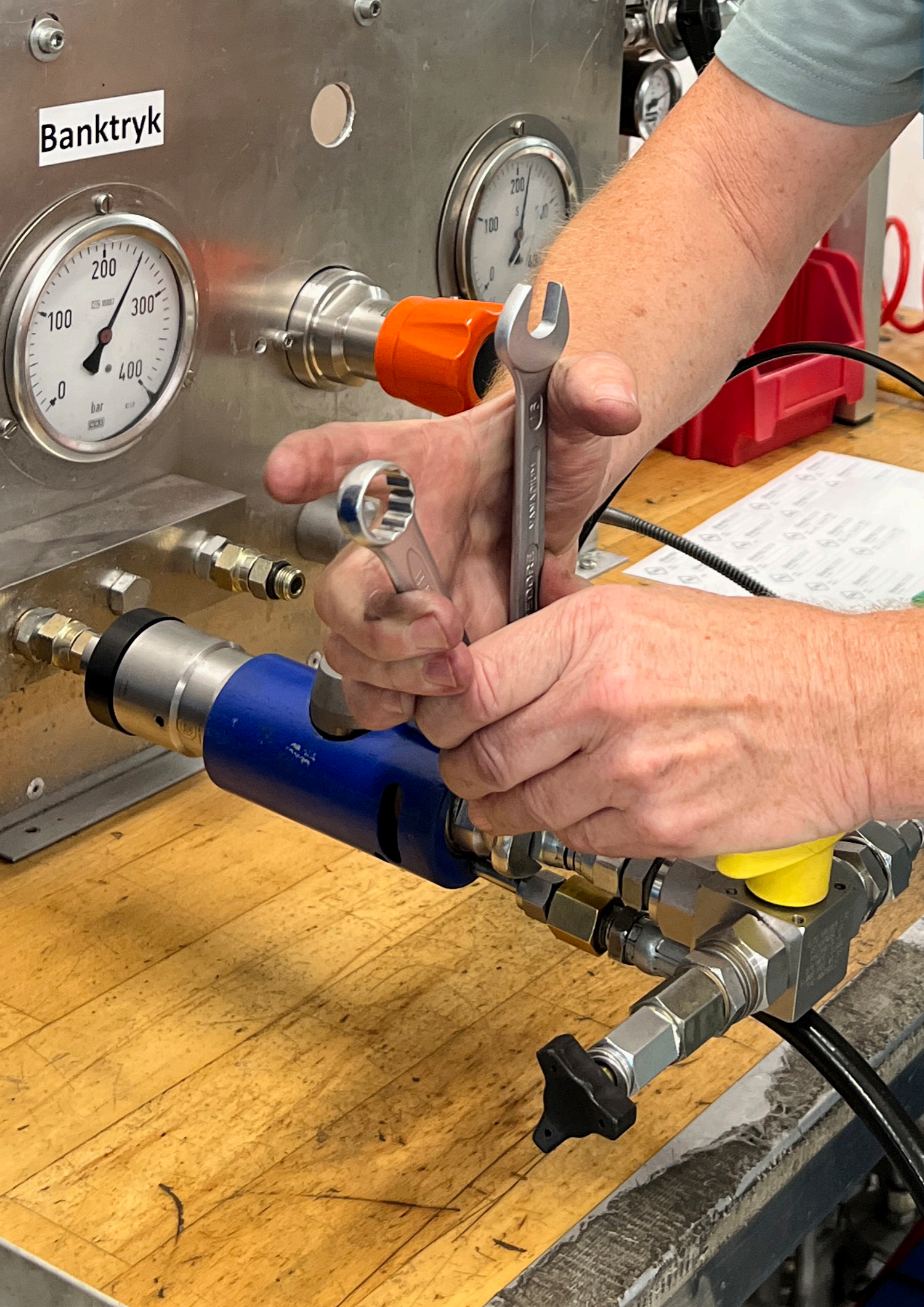


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# Welcome to Sherex by regaco

## **Sherex grant you fast and reliable deliveries of CBG refueling components and -services. With the fastest delivery time in the market**

This has been our vision since the foundation of Sherex back in 1994. Today we are proud of being one of Europe's leading suppliers of CBG equipment for owners of refueling plants, where cars, buses and trucks are refueled with biogas or natural gas.

Through the years we have developed an unmatched know-how ensuring our customers both top quality and the fastest delivery time in the market:

- Ultra-quick repair times for filling equipment such as nozzles, break-away couplings and hose sets
- Always well-stocked for emergency supplies
- Our European Service Center has all the expertise in-house, all the equipment – and more than 15 years of experience
- Sherex complete hose sets ready for use, delivered within 24 hours

Please, feel free to contact us for more information.

## **Sherex European Service Center**

At our certified service center located in Copenhagen, Denmark we have the necessary know-how and equipment to perform service and refurbishment on most CBG equipment.

We are specialized in refurbishment of all OPW filling equipment and Stäubli BRW.08 breakaways.

All equipment is thoroughly checked, and damaged parts are replaced. All items are pressure-tested, leak-tested and quality assured before leaving our service center.

## **Exchange programme for immediate delivery**

We offer an exchange program for the refurbishment of CT1000LS, CT5000S, and breakaways. Once we receive your component, we immediately send a refurbished one in return. The received component is added to our exchange stock. Shipment occurs the same day we receive your component.

### **TYPICAL REFURBISHMENT PERIOD**

OPW equipment:	max 10 working days
Stäubli BRW.08:	max 10 working days
Exchange programme	max 1 working day

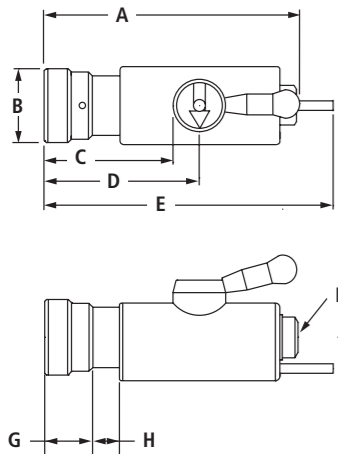


# CT1000LS + CT1000P36

## Nozzles

### CT1000 Series Self-Service Nozzles (NGV1 & ISO14469 Type 1) CT1000LS + CT1000P36

OPW 1000 Series Self-Service Nozzles are designed for high-flow public and private CBG/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	208.9
F	Straight Thread O-ring Boss Port SAE-6J1926 (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

### 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.

### 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



CT1000 Hose Connecting End CT1000 Coupling End

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 valve module. Tampering with the valve results in immediate dispensing shut-off.
- Individually Leak Tested and Inspected with Traceable Serial Number**

### Specifications

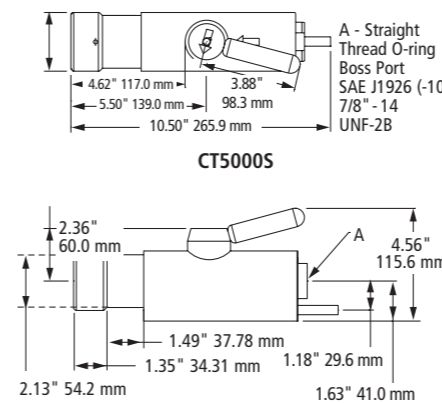
Min. Flow Rate: 1200 SCFM @ 3000 psid  
 Temperature Range: -40° F to 185° F (-40° C to 85° C)  
 Cv: 0.84  
 MAWP: 4532 psi (312.5 Bar)

# CT5000

## Nozzles

### CT5000 Series Bus/Heavy-Duty Truck Nozzles (NGV1 & ISO14469 Type 1)

OPW 5000 Series nozzles are designed for extremely high-flow public and private CBG/CNG fueling systems. Applications include quick-fill, self-service fueling of transit buses and large trucks.



CT5000S

### 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**

### Ordering Specifications

Product #	Inlet Thread Size	Vent Tube Size OD	Service Pressure	Weight
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

# Pistol Grip

## Nozzles

### COPW Pistol Grip Series Self-Service Nozzles (NGV1 & ISO14469, Type 1)

Designed for high-flow public and private CBG/CNG fueling systems. Applications include quick-fill, self-service fueling of automobiles, light trucks, shuttle buses and vans.

#### Materials

**Body:** Stainless Steel & Aluminum

**Jaws:** Stainless steel

**Seals:** Specialty polymers and elastomers for NGV applications  
Inlet Filter & Magnet in hand guard are standard

Inlet Filter & Magnet in hand guard are standard



#### Features

- **High-Flow/Fast-Fill Capability** – provides quick fueling of medium storage vehicles. Internal seals are designed for fast-fill NGV fueling.

- **Ergonomic Design** – simple squeeze and release motion ensures connection and dispensing by all users. Insulated body to protect operator's hand.

- **Directed Vent** – captures the gas vented at disconnect and directs it out of the nozzle via a 1/4" stainless steel vent 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.

- **User-Friendly Lever-Action Operation** – (see visuals below) engage nozzle and receptacle with a familiar lever action. 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, squeeze and release the lever to automatically stop the flow of gas into the vehicle, vent the trapped gas and release the nozzle from the receptacle. Designed for public or private self-service applications, no attendant is needed.

- **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.

- **Meets NGV1 & ISO14469 Fueling Standard** – can be used to fuel any vehicle with appropriate profile receptacle.

- **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)  
MAWP: 4532 psi (312.5 Bar)

#### Pressure Class

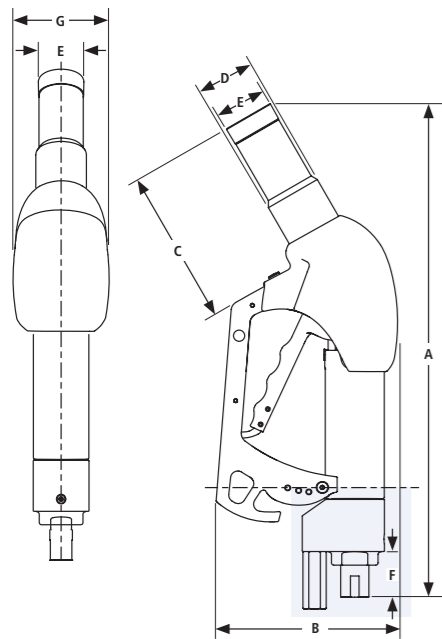
P30 = 3600 psi = 200 bar (Blue Cover)  
P36 = 3600 psi = 250 bar (Yellow Cover)

#### Dimensions

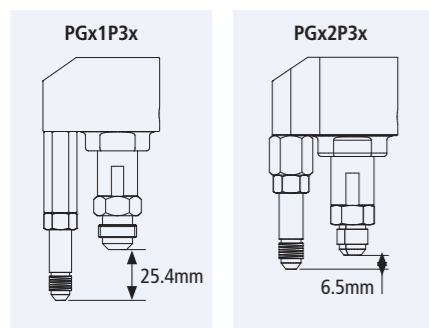
	in	mm
A	13.80	350.5
B	5.07	128.7
C	4.35	110.6
D	1.57	40.0
E	1.41	36.0
F	1.27	32.4
G	2.85	72.3

#### Offset Type of Hose Connection

- 1 – Offset 25.4mm to replace OPW CT1000
- 2 – Offset 6.5mm to replace WEH TK17



#### PGN Inlet Adaptor



# CC6000

## Nozzles

### CC6000 Series Bus/Heavy-Duty Truck Nozzles (NGV1 & ISO14469, Type 2)

OPW 6000 Series nozzles are designed for extremely high-flow public and private CBG/CNG fueling systems. Applications include quick-fill, self-service fueling of transit buses and large trucks. This Type 2 nozzle must be used with some type of secondary flow control valve that either vents down only the nozzle or the nozzle and hose.

#### Materials

**Body:** Stainless steel; acetal

**Jaws:** Stainless steel

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

CC6000  
Coupling End

CC6000  
Hose Connection End



#### Features

- **High-Flow/Super Fast Fill Capability** OPW's fastest flowing nozzle. This nozzle will provide quick fueling of large storage vehicles. Internal seals are specially designed to meet the demands of fast-fill NGV fueling.

- **User-Friendly Push-On/Pull-Off Operation** for smooth, simple engaging and disengaging of nozzle and receptacle without the added step of pulling back a collar. The CC6000 is designed to remain securely connected to the receptacle until the nozzle is depressurized after fueling is complete.

- **Type** - designed as a High-Flow Type 2 nozzle used in conjunction with CL50 receptacles.

- **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, significantly reducing nozzle wear.

- **Ergonomic Design** - has a comfortable "tool-grip" like all other OPW Type 2 nozzles.

- **Durable Construction** - heavy-duty stainless steel construction provides excellent corrosion resistance in the harsh refueling environment.

- **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: 3.30  
MAWP: 4532 psi (312.5 Bar)

#### Ordering Specifications

Product #	Inlet Thread Size	Service Pressure	Weight
CC6000	SAE-10 J1926, 7/8" 14 UNF	NGV1P30HD JAW profile w/service pressure rated to 3600 psi	2.94 lb. - 1.33 kg

Connects to CL50 Series heavy-duty receptacles

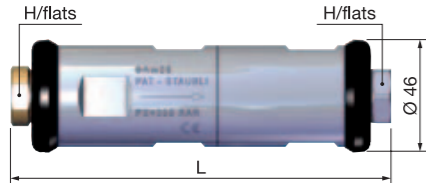
# Stäubli BRW.08

## Breakaway

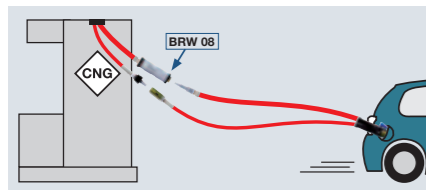
### BRW 08 break-away coupling

Protection of the refuelling line for vehicles powered by compressed natural gas.

The break-away system ensures immediate disconnection and automatic shut-off of the circuit if the supply hose is pulled.



Female Thread



Break-Away 08 - 1 function

Coupling for fast filling of light or heavy vehicles.  
BRW 08 on filling line

### Materials



Stäubli BRW 08

### Features

#### ● Protection for the installation and its users

- Disconnection force specifically configured to prevent accidental disconnection and maintain the integrity of the dispenser and the vehicle.
- Automatic shut-off of the gas distribution circuit on disconnection: prevents gas being released into the atmosphere.
- Immediate disconnection irrespective of the pressure in the hose.

#### ● Easy to install and simple to use

- Quick and easy to reconnect using the dedicated reconnection tool.
- Maintenance-free.

#### ● Efficiency

As there is no risk of accidental disconnection, prolonged stoppages of installations following unexpected hose pull-outs are prevented and their efficiency is maintained.

#### ● Designed to be incorporated in environments in accordance with directives 2014/34/EU (ATEX) and 2014/68/EU.

### Specifications

Disconnection force on line (N)	between 225 and 665
Possible number of disconnections at 200 bar of air	100
Maximum allowable pressure PS (bar)	300
Minimum and maximum allowable temperatures TS (°C)	- 40 to + 85

### Dimensions

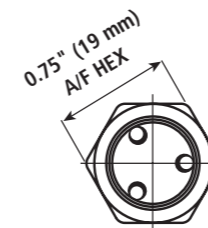
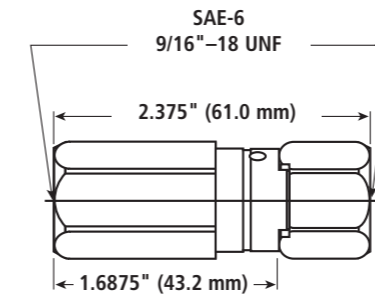
Part number	Fitting	L	H/flats
BRW 08.9314	UN 9/16-18	155 mm	22 mm

# NGVLB

## Breakaway

### OPW Vent Line Breakaway (NGVLB)

The OPW NGVLB is an in-line breakaway that fits into the nozzle vent line. This new pressure balanced NGVLB unit will function consistently when used in conjunction with OPW high pressure In-line breakaways.



### Materials

**Body:** Stainless Steel

**Internal Components:** Stainless Steel

**Seals:** Specially formulated seals, specific to high pressure NGV applications



NGVLB

### Features

- **HighDurability** - Stainless-steel construction provides improved performance, durability and corrosion resistance in harsh environments.
- **Reconnectable** - Allows the component to be reused, reducing maintenance cost.
- **Pressure Balanced** - Performance stability eliminates nuisance separation due to pressure surges in the vent line.
- **Passive design** allows pressure to freely move through the vent line.
- **Disconnection force** of 40 lbs. ± 15 lbs. (178N ± 67N)
- **No tools required** for reconnection (12 lbs./53 N reconnection force).
- **100% Leak and Breakaway Tested, with Traceable Serial Numbers.**

### Specifications

Pressure balanced to 18,129 psi (1,250 bar)  
Temperature Range: -40° F to 185° F  
(-40° C to 85° C)

Cv: 0.24  
1,000 SCFM @ 3,600 psi (250 bar)  
MAWP: 4,532 psi (312.5 bar)

### Ordering Specifications

Product #	Inlet Thread Size	Outlet Thread Size	Service Pressure	Weight
NGVLB	SAE - 6, 9/16" - 18 UNF	SAE - 6, 9/16" - 18 UNF	3600 psi (250 bar)	0.22 lb - (0.1 kg)



# Fill-Line Breakaway (FLB-1000) – Standard Duty Breakaway

## Fill-Line Breakaway (FLB-1000) – Standard Duty

OPW has optimized the in-line breakaway for use in automotive NGV refueling applications. This unit will function consistently, independent of the inlet pressure.

### Materials

- Body:** Stainless steel
- Internal Components:** Stainless steel
- Seals:** Specially formulated polyurethane seals to withstand high pressure NGV applications

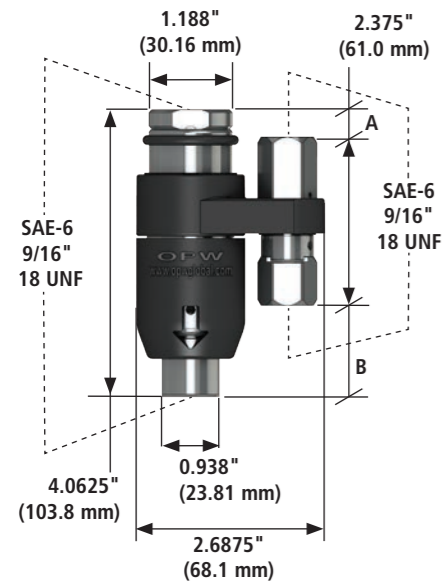


FLB-1000

## Fill-Line Breakaway Kit



CBG/CNG BREAKKIT-1000 (Includes NGVLB Breakaway)



A Offset = 0.386" (9.81mm)  
B Offset = 1.299" (32.99mm)

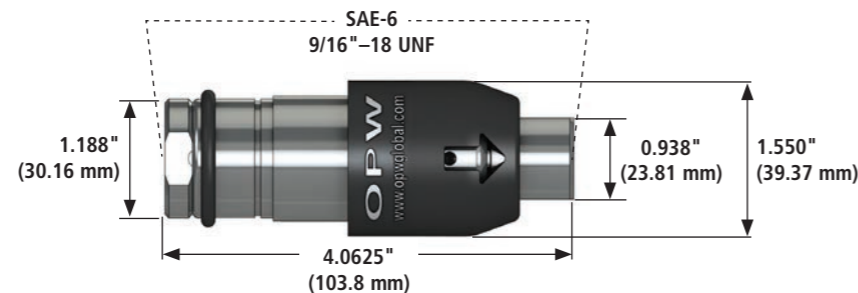
### Features

- High-Flow/Fast Fill Capacity** - This NGV1 breakaway will provide quick fueling of large vehicles.
- Durable, Corrosion-Resistant Construction** - stainless steel construction provides improved durability and corrosion resistance in harsh environments.
- Reconnectable Design** - allows the component to be reused, reducing total cost of ownership
- Innovative Valve System** - the sealing system in this breakaway minimizes the amount of vent gas released during a drive-away incident.
- Reduced Size and Weight** - to allow for more applications where size may be a concern.
- Easy Installation** - the in-line breakaway has SAE-6 O-ring fittings for easy installation in line between the dispenser and nozzle.
- Disconnection Force** - 120 lbs. (+/- 30 lbs.) (534 +/- 134 N).
- 100% Leak and Breakaway Tested, with Traceable Serial Numbers**

### Specifications

Min. Flow Rate: 3,700 SCFM @ 3,600 psid  
Temperature Range: -40° F to 185° F (-40° C to 85° C)  
Cv: 1.85  
MAWP: 4,532 psi (312.5 Bar)

FLB-1000 Dimensions



### Ordering Specifications

Product #	Inlet Thread Size	Outlet Thread Size	Service Pressure	Weight
FLB-1000	SAE - 6, 9/16" - 18 UNF (female)	SAE - 6, 9/16" - 18 UNF (female)	3,600 psi (250 bar)	0.91 lb. - (0.41 kg)
CBG/CNG BREAKKIT-1000 (Includes FLB-1000 and NGVLB Breakaway)	FLB-1000 SAE - 6, 9/16" - 18 UNF (female)	FLB-1000 SAE - 6, 9/16" - 18 UNF (female)	3,600 psi (250 bar)	1.13 lb. - (0.51 kg)
	NGVLB SAE - 6, 9/16" - 18 UNF	NGVLB SAE - 6, 9/16" - 18 UNF	3,600 psi (250 bar)	

# Fill-Line Breakaway (FLB-5000) – Heavy-Duty Truck/Bus Breakaway

## Fill-Line Breakaway (FLB-5000) - Heavy-Duty Truck/Bus

OPW has optimized the in-line breakaway for use in heavy-duty truck and bus NGV refueling applications. This unit will function consistently, independent of the inlet pressure.

### Materials

- Body:** Stainless steel
- Internal Components:** Stainless steel
- Seals:** Specially formulated polyurethane seals to withstand high pressure NGV applications

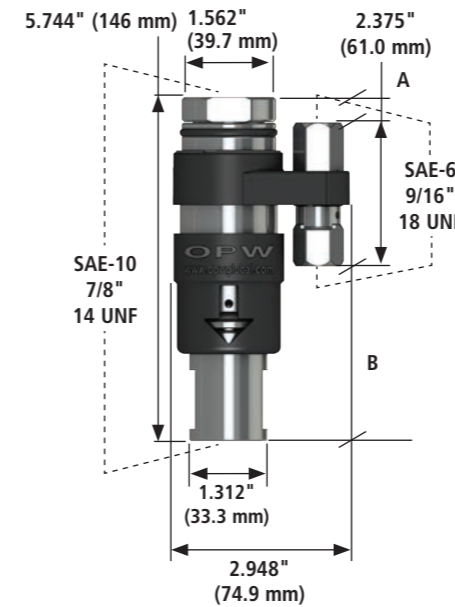


FLB-5000

## Fill-Line Breakaway Kit



CBG/CNG BREAKKIT-5000 (Includes NGVLB Breakaway)



A Offset = 0.429" (10.9mm)  
B Offset = 2.917" (74.1mm)

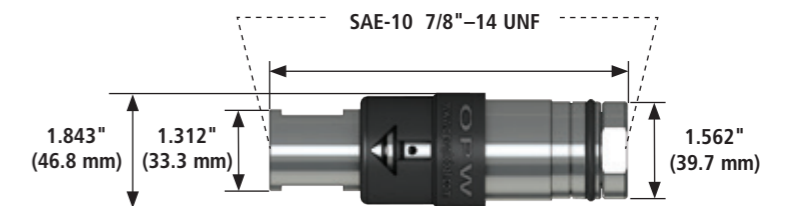
### Features

- High-Flow/Fast Fill Capacity** - this is OPW's fastest flowing breakaway. This breakaway will provide quick fueling of large vehicles.
- Durable, Corrosion-Resistant Construction** - stainless steel construction to provide improved durability and corrosion resistance in harsh environments.
- Reconnectable Design** - allows the component to be reused, reducing total cost of ownership.
- Innovative Valve System** - the sealing system in this breakaway minimizes the amount of vent gas released during a drive-away incident.
- Reduced Size and Weight** - to allow for more applications where size may be a concern.
- Easy Installation** - the in-line breakaway has SAE-10 O-ring fittings for easy installation in line between the dispenser and nozzle.
- Disconnection Force** - 120 +/- 30 lbs. (534 +/- 134 N).
- 100% Leak and Breakaway Tested, with Traceable Serial Numbers**

### Specifications

Min. Flow Rate: 7,500 SCFM @ 3,600 psid  
Temperature Range: -40° F to 185° F (-40° C to 85° C)  
Cv: 3.91  
MAWP: 4,532 psi (312.5 Bar)

FLB-5000 Dimensions



### Ordering Specifications

Product #	Inlet Thread Size	Outlet Thread Size	Service Pressure	Weight
FLB-5000	SAE - 10, 7/8" - 14 UNF (female)	SAE - 10, 7/8" - 14 UNF (female)	3,600 psi (250 bar)	2 lb. - (0.907 kg)
CBG/CNG BREAKKIT-5000 (Includes FLB-5000 and NGVLB Breakaway)	FLB-5000 SAE - 10, 7/8" - 14 UNF (female)	FLB-5000 SAE - 10, 7/8" - 14 UNF (female)	3,600 psi (250 bar)	2.22 lb. - (1 kg)
	NGVLB SAE - 6, 9/16" - 18 UNF	NGVLB SAE - 6, 9/16" - 18 UNF	3,600 psi (250 bar)	

# L-SERIES

## LGV1 Receptacles

### CBG/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.

### Materials

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



### 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.

### Materials

**Body:** Stainless steel

**Internal Parts:** Stainless steel and brass

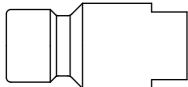
**Seals:** Specially formulated polymers and elastomers specific to high-pressure NGV applications.



LB30 or LB36

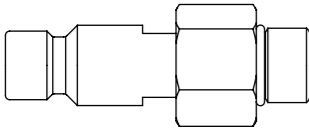
#### LB

- Wrench Flats



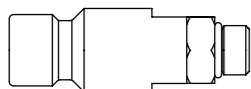
#### LBXX78

- 7/8 - 14 UNF - 2A



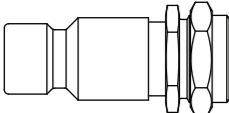
#### LBXX16

- 9/16 - 18 - UNF - 2A



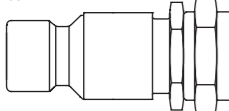
#### LD

- Bulk Head



#### LE

- Bulk Head
- Filter



### 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 CBG/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.

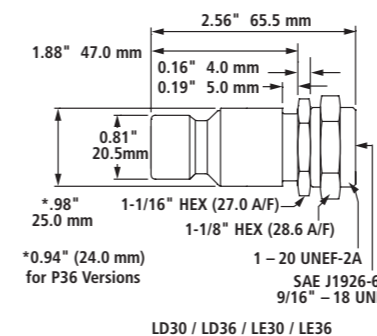
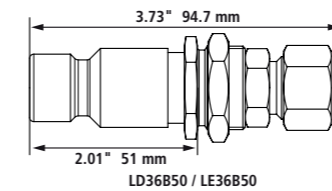
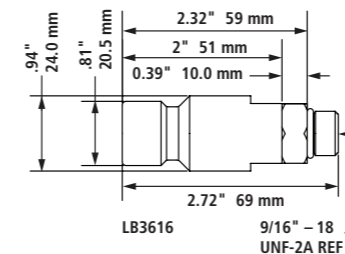
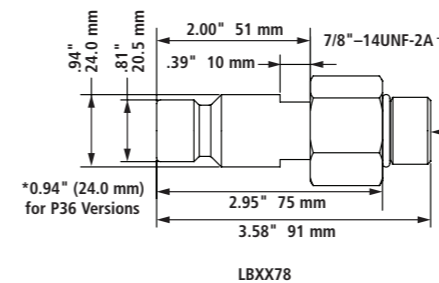
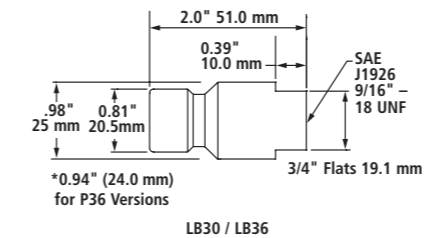
**Design Your Own Sub-System** - The OPW L Series receptacles come with the following standard features: rubber dust cap, mounting hex or wrench flats. LD and LE receptacles come with a standard external bulkhead nut.

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.



### 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 185° 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)	0.31 lb. - 0.14 kg
LB36	NGV1 P36; ISO14469 B250 Receptacle w/ 3/4" Flats	3600 psi. (250 bar)	0.31 lb. 0.14 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)	0.44 lb. 0.2 kg
LD36	NGV1 P36; ISO14469 B250 Receptacle w/ Bulkhead	3600 psi. (250 bar)	0.44 lb. 0.2 kg
LD36B50	LD36 + 212435	3600 psi. (250 bar)	0.44 lb. 0.2 kg
LE30	NGV1 P30; ISO14469 B200 Receptacle w/ Bulkhead and Filter	3000 psi. (200 bar)	0.44 lb. 0.2 kg
LE36	NGV1 P36; ISO14469 B250 Receptacle w/ Bulkhead and Filter	3600 psi. (250 bar)	0.44 lb. 0.2 kg
LE36B50	LE36 + 212435		
LD36B50	Replacement "Interface" O-ring for L Series receptacles		
LD36B50	Replacement Rubber Dust Cap		

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

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

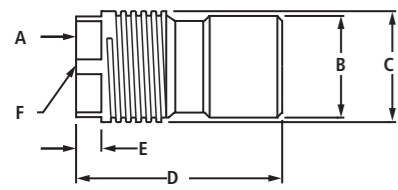


# CL50-SERIES

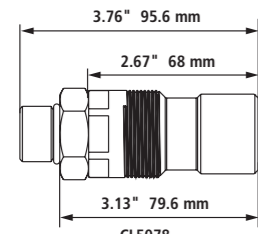
## LGV2 Receptacles

### CL50 Series Bus/Heavy-Duty Truck Receptacles

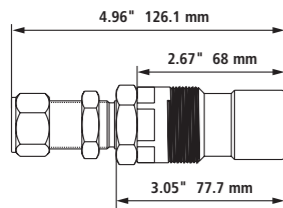
OPW CL50 Series receptacles are designed for use on extremely high-flow, heavy-duty applications including quick-fill, self-service fueling of transit buses and large trucks.



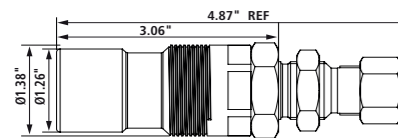
CL50



CL5078



CL5016



Custom w/tube fitting available. Call Us!

### Dimensions

	in	mm
A	1.25	32
B	1.25	32
C	1.39	35
D	2.67*	68*
E	0.31	8
F	SAE J1926-10 7/8"-14 UNF	

\*D-Dimensions for:

CL5000	4.80	122.1
CL5016	4.96	126.1
CL5078	3.76	95.6

### Materials

**Body and Adaptor Shaft:** Stainless steel

**Internal Components:** Stainless steel

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



CL5078

### Features

- **High-Flow** - the flow path has been optimized to increase the amount of flow and decrease the pressure drop resulting in a reduction of noise and vibration from the check valve.

- **Durable, Corrosion-Resistant Construction** - stainless steel construction provides improved durability and corrosion resistance in the harsh on-highway, heavy-duty environment.

- **Non-Contact Check Valve** - each OPW CL series receptacle contains a highly reliable non-contact check valve that opens when differential pressure is present during refueling.

- **Sealing System** - the sealing system in all CL series 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.

- **Rubber Dust Cap** - a standard protective dust cap is supplied with CL50 series receptacles.

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

- Connects to CT5000S and CC6000 series heavy-duty CBG/CNG nozzles.

### Specifications

Min. Flow Rate: 5000 SCFM @ 3000 psid  
Temperature Range: -40° F to 185° F  
(-40° C to 85° C)

Cv: 3.30  
MAWP: 5000 psi (345 bar)

### Ordering Specifications

Product #	Type/Size	Service Pressure	Weight
CL50	NGV1 P30HD; ISO14469 C200 7/8" - 14 SAE-10 Female Port	3600 psi. (250 bar)	0.91 lb. 0.413 kg
CL5000	CL50 + 5/8" Double Ferrule Fitting	3600 psi. (250 bar)	1.29 lbs. 0.585 kg
CL5078	CL50 + 001129	3600 psi. (250 bar)	1.141 lbs. 0.518 kg
CL5016	CL50 + 001133	3600 psi. (250 bar)	1.29 lbs. 0.585 kg
CL50B50	CL50 + 1/2" Double Ferrule Fitting	3600 psi. (250 bar)	1.29 lbs. 0.585 kg
001129	7/8"-14 SAE-10 Male Fitting		
001133	16 mm Double Ferrule Fitting		
212433	7/8" - 14 SAE-10 to 1/2" Tube Fitting		
212439	1/2" Tube Nut and Ferrule Fitting		
001121	Replacement "Interface" O-ring for CL50 Series Receptacles		
001126	Replacement Rubber Dust Cap		

\*CL series is certified for pressures NGV2P36 & ISO14469 C250

# SHERBEAM for wall-hanging or rammed posts

The SHERBEAM filling posts can either be wall-hung or mounted on rammed posts (not included in supply). SHERBEAM is dimensioned for slow filling of vehicles and consists of stainless steel and corrosion-resistant materials. SHERBEAM filling posts

are suited for the SHERMOUNT piping system and comes with a shut-off-valve, ensuring that hoses can easily be changed or serviced without having to shut down the entire filling station. There is one pressure indicator on each SHERBEAM.

SHERBEAMs require minimal civil works and are quickly installed hence lowering total project costs.

Delivered excl. hoses. See page 20-21 for hose options.

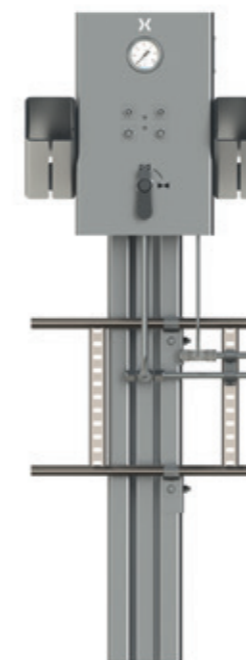


### DOUBLE DISPENSER:

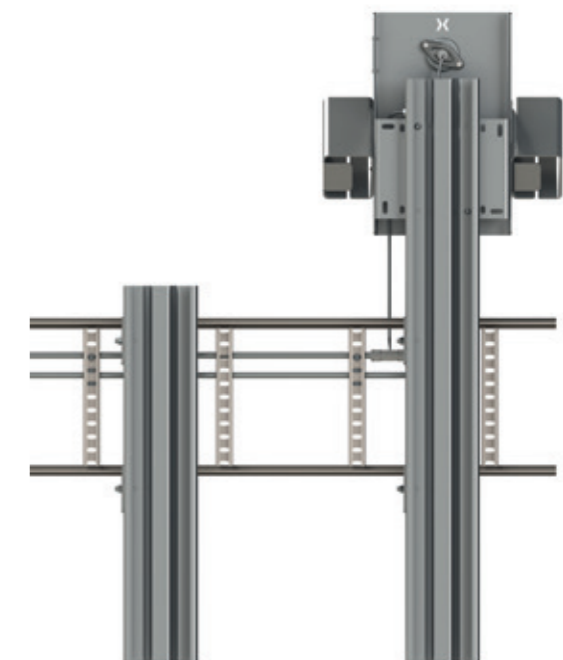
SHERBEAM-2-NGV1

SHERBEAM-2-NGV2

SHERBEAM-2-NGV1 & NGV2



SHERBEAM-2 on a rammed post - from the front



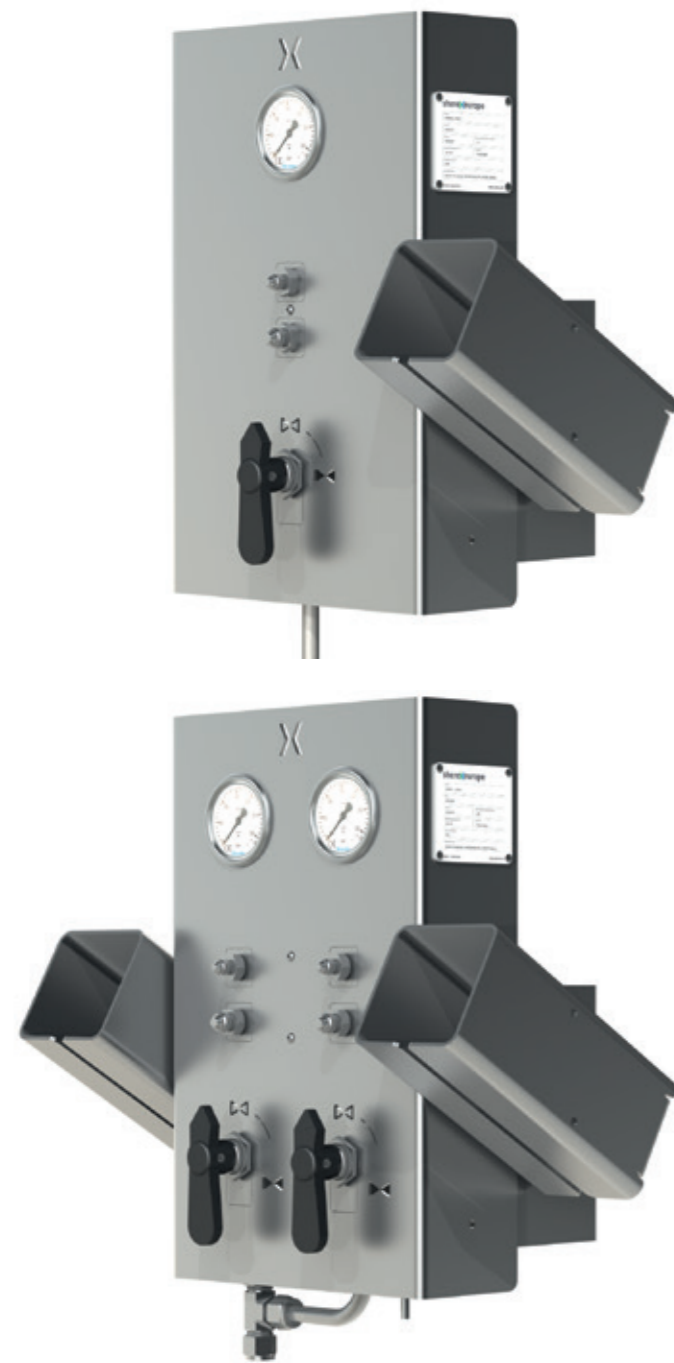
SHERBEAM-2 on a rammed post - from the back

# SHERWALL heavy-duty filling panel for wall mounting

The SHERWALL filling posts can either be wall-hung or mounted on rammed posts (not included in supply). SHERWALL is dimensioned for slow filling of vehicles and consists of stainless steel and corrosion-resistant materials. SHERWALL filling posts

are suited for the SHERMOUNT piping system and comes with a shut-off-valve, ensuring that hoses can easily be changed or serviced without having to shut down the entire filling station. There is a pressure indicator for each filling hose on the SHERWALL.

Delivered excl. hoses. See page 20-21 for hose options.



#### SINGLE DISPENSERS:

- SHERWALL-1-NGV1
- SHERWALL-1-NGV2

#### DOUBLE DISPENSERS:

- SHERWALL-2-NGV1
- SHERWALL-2-NGV2
- SHERWALL-2-NGV1 & NGV2

# SHERPOST heavy-duty filling post

The SHERPOST filling posts are built for mounting directly on a small concrete slab. SHERPOST is dimensioned for slow filling of vehicles and consists of stainless steel and corrosion-resistant materials. SHERPOST filling posts are suited for

the SHERMOUNT piping system and come with a shut-off-valve, ensuring that hoses can easily be changed or serviced without having to shut down the entire filling station. There is a pressure indicator on the SHERPOST for each filling hose. SHERPOSTS require

minimal civil works and are quickly installed hence lowering total project costs.

Delivered excl. hoses. See page 20-21 for hose options.



#### OPTIONAL: LED LIGHTING INCL. MOVEMENT SENSORS AND EMERGENCY STOP:

- SHERSCREEN-LIGHT
- SHERPOST-STOP

#### SINGLE DISPENSERS:

- SHERPOST-1-NGV1
- SHERPOST-1-NGV2

#### DOUBLE DISPENSERS:

- SHERPOST-2-NGV1
- SHERPOST-2-NGV2
- SHERPOST-2-NGV1 & NGV2



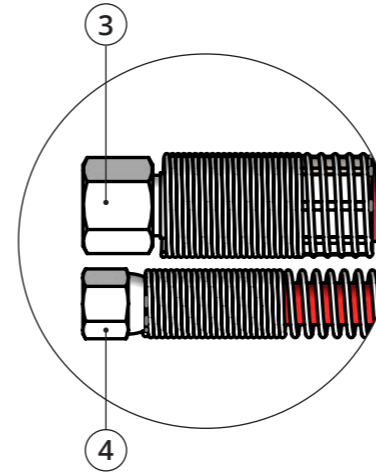
# SHERHOSES

SHERHOSES are complete hose assemblies made according to our customers' specifications. These high-pressure hoses are suitable for CBG refueling applications and feature a conductive inner tube to dissipate static electricity buildup. They have an extra tough cover for

abrasion, water, and microbiological resistance. The nonmetallic, lightweight design ensures easy handling and manipulation, while the rugged construction provides resistance to kinking, crushing, twisting, and pulling. Other colors are available upon request.

SHERHOSES come with certificates and are fully tested and ready to use.

Specific requests for hose sizes (1/2" hoses available), breakaway types, and filling nozzles can be accommodated upon request.



## STANDARD DIMENSIONS

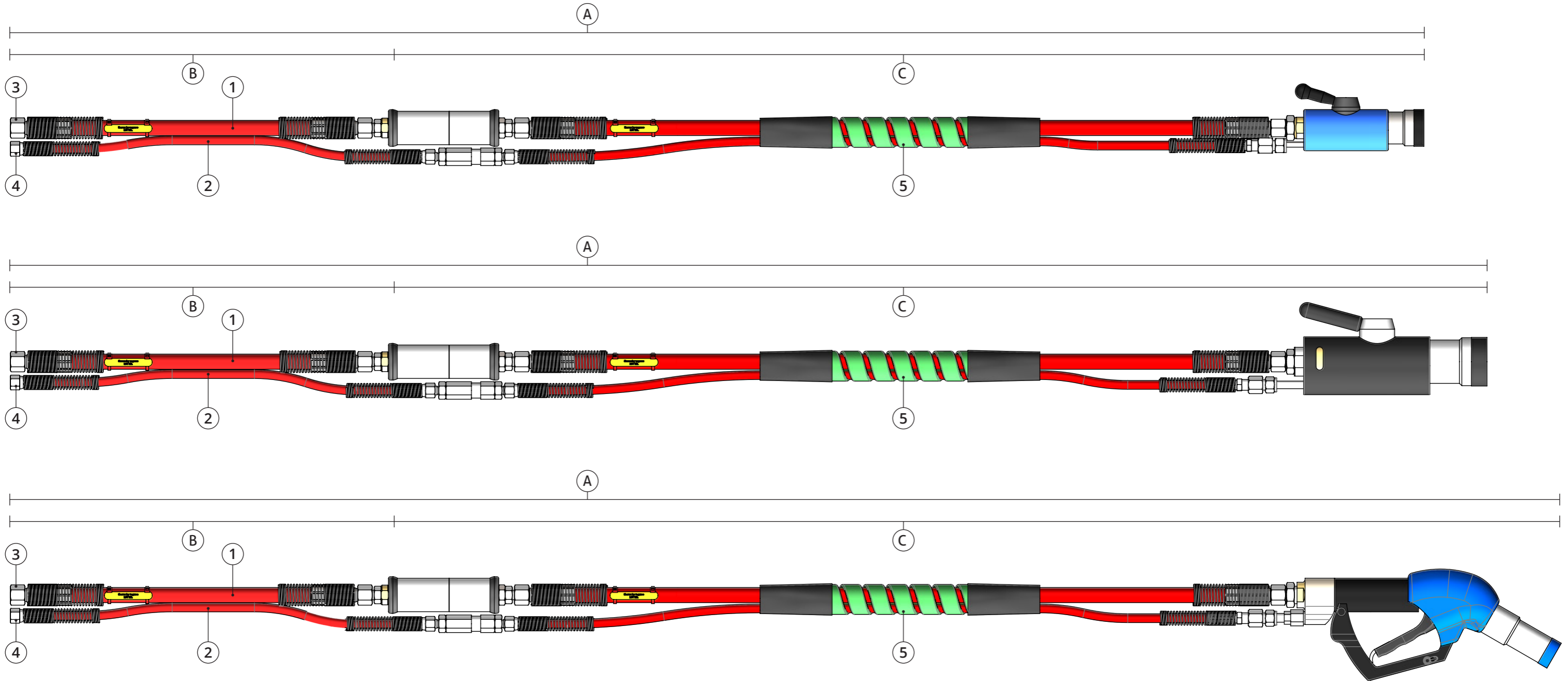
A	5000 / 6000 / 7000 mm
B	1000 mm
C	4000 / 5000 / 6000 mm

## DESCRIPTONS

1	3/8" main filling hose
2	1/4" vent hose
3	9/16 F-JIC VHP C 3/8
4	7/16 F-JIC VHP C 1/4
5	Spiral protection sleeve

## STANDARD DELIVERY TIMES

Standard hose lengths:	10 working days
Customized hose length:	20 working days



# Product list

PRODUCT #	PRODUCT DESCRIPTION
<b>NOZZLES</b>	
CT1000LS	NGV1 filling nozzle 200 bar
CT1000P36	NGV1 filling nozzle 250 bar
CT5000	NGV2 filling nozzle Heavy Duty 250 bar
CC6000	NGV1 nozzle Bus Heavy-Duty Truck
PISTOL GRIP P30	NGV1 filling pistol 200 bar
PISTOL GRIP P36	NGV1 filling pistol 250 bar
PG NOZZLE BOOT	OPW PistolGrip nozzle boot
<b>BREAKAWAYS</b>	
BRW.08.9314	Breakaway coupling Stäubli
NGVLB	Vent Line Breakaway NGVLB
FLB-1000	Fill-Line Breakaway Standard Duty
CNGBREAKKIT-1000	FLB-1000 FILL-LINE BREAKAW.COUP.WITH NGVLB
FLB-5000	Fill-Line Breakaway Heavy Duty
CNGBREAKKIT-5000	FLB-5000 FILL-LINE BREAKAW.COUP.WITH NGVLB
<b>RECEPTACLES</b>	
LB30	NGV 1 P30 Receptacle w/3/4" flats
LB36	NGV 1 P36 Receptacle w/3/4" flats
LB3078	LB30 + 50061
LB3678	LB36 + 50061
LB3616	LB36 + 50030
LD30	NGV1 P30 Receptacle w/Bulkhead
LD36	NGV1 P36 Receptacle w/Bulkhead
LD36B50	LD36 + 212435
LE30	NGV1 P30 Receptacle w/Bulkhead and filter
LE36	NGV1 P36 Receptacle w/Bulkhead and filter
LE36B50	LD36 + 212435
1141	Replacement "interface" o-ring for L series receptacles
001147	Replacement Rubber Dust Cap
CL50	NGV1 P30HD
CL5000	CL50 + 5/8" Double ferrule fitting
CL5078	CL50 + 00129
CL5016	CL50 + 00133
CL50B50	CL50 + 1/2" Double ferrule fitting
<b>TESTING TOOLS</b>	
JAW TOOL NO 1	Gage for testing NGV1 Nozzle
JAW TOOL NO 5	Gage for testing NGV2 Nozzle

PRODUCT #	PRODUCT DESCRIPTION
<b>SHERBEAM</b>	
SHERBEAM-2 NGV1	Double filling dispenser incl. NGV1 hose set. For wall mounting or rammed post
SHERBEAM-2 NGV2	Double filling dispenser incl. NGV2 hose set. For wall mounting or rammed post
SHERBEAM-2 NGV1 + NGV2	Double filling dispenser incl. NGV1 + NGV2 hoses. For wall mounting or rammed post
<b>SHERWALL</b>	
SHERWALL-2 NGV1	Double filling dispenser incl. NGV1 hose set. For wall mounting or rammed post
SHERWALL-2 NGV2	Double filling dispenser incl. NGV2 hose set. For wall mounting or rammed post
SHERWALL-2 NGV1+NGV2	Double filling filling dispenser incl. NGV1 + NGV2 hoses. For wall mounting or rammed post
<b>SHERPOST</b>	
SHERPOST-1 NGV1	Single filling dispenser incl. NGV1 hose set
SHERPOST-1 NGV2	Single filling dispenser incl. NGV2 hose set
SHERPOST-2 NGV1	Double filling filling dispenser incl. NGV1 hose sets
SHERPOST-2 NGV2	Double filling filling dispenser incl. NGV2 hose sets
SHERPOST-2 NGV1 + NGV2	Double filling filling dispenser incl. NGV1 + NGV2 hoses
<b>SHERHOSES</b>	
SH-1038-304	3/8" + 1/4" twinhose NGV1 hose set incl. CT1000LS, NGVLB and Stäubli BRW.08
SH-1038-324	3/8" + 1/4" twinhose NGV1 hose set incl. CT1000LS, NGVLB and FLB-1000
SH-1012-304	1/2" + 1/4" twinhose NGV1 hose set incl. CT1000LS, NGVLB and Stäubli BRW.08
SH-1012-324	1/2" + 1/4" twinhose NGV1 hose set incl. CT1000LS, NGVLB and FLB-1000
SH-5038-304	3/8" + 1/4" twinhose NGV2 hose set incl. CT5000S, NGVLB and Stäubli BRW.08
SH-5038-334	3/8" + 1/4" twinhose NGV2 hose set incl. CT5000S, NGVLB and FLB-5000
SH-5012-304	1/2" + 1/4" twinhose NGV2 hose set incl. CT5000S, NGVLB and Stäubli BRW.08
SH-5012-334	1/2" + 1/4" twinhose NGV2 hose set incl. CT5000S, NGVLB and FLB-5000
<b>CUSTOMIZED SHERHOSES</b>	
	Custom and single hoses available upon request.
	Standard length 5000 / 6000 / 7000 mm.
	Customized: Choose dimensions A, B or C.





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