



# Breathing Air Products

*The Vital Connection – fully in line with market demands and requirements*

CEJN's Breathing Air couplings have a high-flow rate, a broad connection range and require only minimal force to connect. With the vital function of supplying breathing air, the need for safety and reliability is of the utmost importance. CEJN products are designed and manufactured to exacting standards, which has resulted in years of trouble-free service. Our breathing air range consists of couplings and nipples, hose, hose kits and accessories.

## CEJN –WHEN LIVES DEPEND ON THE CHOICES YOU MAKE

In the field of breathing air there are no compromises to be made regarding quality and safety. CEJN has extra stringent tests to ensure that the high quality demands are achieved, couplings and nipples for breathing air are thoroughly examined and tested individually to guarantee that each coupling and nipple that leaves our production is of the highest quality. Your safety is our top priority.



**bSafe**  
Safe Breathing Air Solutions

### Series 141

**10 bar (145 PSI) / 86 l/min (3 CFM)**

- **One-hand operated**
- **Extremely small external dimensions**
- **Suitable for supply of liquids in closed units**

DN 2.5 mm. Air flow capacity of 86 l/min (3.0 CFM) and water flow capacity of 3.5 l/min (0.8 GPM UK). Max working pressure 10 bar (150 PSI). The series is made of chrome-plated brass and suitable for compressed air, fluid and vacuum applications.



### Series 221

**35 bar (508 PSI) / 580 l/min (20.5 CFM)**

- **One-hand operated**
- **High-flow capacity**
- **Extremely small outer dimensions**

DN 5.0 mm (3/16"). Air flow capacity of 580 l/min (20.5 GPM uk). Max working pressure 35 bar (508 PSI). Made of chrome-plated brass with NBR seal.



CEJN reserves the right to make changes without further notification. Thread connections are listed according to ISO Standards. Other connections and sealing material on request. Check with an authorized CEJN distributor for availability and prices. Some part numbers may be subject to minimum order quantities. Please visit our website, [www.cejn.com](http://www.cejn.com), for general maintenance tips.

### Series 340

**35 bar (508 PSI) / 700 l/min (24.7 CFM)**

- **Safety function that prevents accidental disconnect**
- **100% tested and greased for breathing air**
- **Hose Kits comply with all breathing air standards**

DN 6.2 mm (1/4"). Flow capacity of 700 l/min (24.7 CFM). Max working pressure 35 bar (508 PSI). Made of Stainless steel. The automatic safety-locking feature prevents unintentional disconnection.



### Series 341

**35 bar (508 PSI) / 1950 l/min (69 CFM)**

- **One-hand operated to connect**
- **Automatic safety locking feature**
- **Large range of connections available**
- **Extremely high flow capacity**

DN 7.4 mm (9/32"). Flow capacity of 1950 l/min (68.8 CFM). Max working pressure 35 bar (508 PSI). Made of nickel-plated brass with NBR seals. Ideal for cushion inflation and diving applications.



### Series 342

**35 bar (508 PSI) / 1950 l/min (69 CFM)**

- **Automatic safety-locking feature**
- **Extremely high flow capacity**
- **One-hand operated**

DN 7.4 mm (9/32"). Flow capacity of 1950 l/min (68.8 CFM). Max working pressure 35 bar (508 PSI). Made of zinc-plated steel/brass. The automatic safety-locking feature prevents unintentional disconnection.



### Series 344

**35 bar (508 PSI) / 1950 l/min (69 CFM)**

- **One-hand operated to connect**
- **Automatic safety locking feature**
- **Extremely high flow capacity**
- **Light weight**

DN 7.4 mm (9/32"). Flow capacity of 1950 l/min (68.8 CFM). Max working pressure 35 bar (508 PSI). Made of nickel-plated brass with NBR seals. Primarily for breathing air firefighting applications, but is also well suited for diving equipment.



### Series 345

**35 bar (508 PSI) / 1100 l/min (39 CFM)**

- **One-hand operated to connect**
- **Automatic safety locking feature**
- **Large range of connections available**
- **Extremely high flow capacity**

DN 6.2 mm (1/4"). Flow capacity of 1100 l/min (38.8 CFM). Max working pressure 35 bar (508 PSI). Made of nickel-plated brass with NBR seals. Well-suited for breathing air diving applications and for applications that demand a closed system when disconnected, such as surface air diving (hookah).



### Series 346

**35 bar (508 PSI) / 800 l/min (28 CFM)**

- **One-hand operated to connect**
- **Automatic safety locking feature**
- **Large range of connections available**
- **Extremely high flow capacity**

DN 7.0 mm (9/32"). Flow capacity of 800 l/min (28.2 CFM). Max working pressure 35 bar (508 PSI). Made of stainless steel (AISI 316) with NBR seals. Ideal choice for applications in tough environments.



### Series 347

**35 bar (508 PSI) / 1100 l/min (39 CFM)**

- **One-hand operated to connect**
- **High flow capacity**
- **Automatic safety locking feature**

DN 6.2 mm (1/4"). Flow capacity of 1100 l/min (38.8 CFM). Max working pressure 35 bar (508 PSI). Made of nickel-plated brass with NBR seals. The nipple is non-interchangeable with other CEJN series couplings making it useful in applications with multiple access points for different media.



### Series 348

**10 bar (145 PSI) / 650 l/min (23 CFM)**

- **One-hand operated to connect**
- **Stainless steel valve opener**
- **Automatic safety locking feature**

DN 4.1 mm (5/32"). Flow capacity of 650 l/min (22.9 CFM). Max working pressure 10 bar (145 PSI). Made of nickel-plated brass/stainless steel with EPDM seals. Well-suited for fire-fighting applications.



## Series 441

### 35 bar (508 PSI) / 3950 l/min (140 CFM)

- **One-hand operated to connect**
- **High flow capacity**
- **Automatic safety locking feature**

DN 10.4 mm (13/32"). Flow capacity of 3950 l/min (139.4 CFM). Max working pressure 35 bar (508 PSI). Made of nickel-plated brass with NBR seals. Well-suited for air cushion inflation and breathing air diving applications in which extra high airflow is required.



## Series 442

### 35 bar (508 PSI) / 3950 l/min (140 CFM)

- **One-hand operated**
- **High flow capacity**
- **Automatic safety locking feature**

DN 10.4 mm (13/32"). Flow capacity of 3950 l/min (140.0 CFM). Max working pressure 35 bar (508 PSI). Made of zinc-plated brass with NBR seals. Well-suited for large supply lines for portable equipment with multiple air outlets.



## Spiral Anti-Spark Hose

### Non-Braided

- **Spark and scorch resistant**
- **Excellent resistance to oils, solvents, and other non-aqueous solutions**
- **Long service life and outstanding aging abilities**

Spiral hose resistant to scorching and damage while exposed to sparks in welding or steel cutting environments. Working pressure of 10 bar (150 PSI). The hose is designed for compressed air and breathing air applications.



## Adapters

- **Hose connectors, male-to-male adapters, bushings, plugs, cross, T-, L-, and Y-pieces, ball valves**

A wide range of hose connectors; male-to-male adapters; bushings; plugs; cross, T-, L-, and Y-pieces; and ball valves for maximum flexibility in a variety of applications.



## Hose Kits

CEJN offers a pre-assembled hose and coupling combination that is ready for immediate use without the need for tools. Each hose kit contains a CEJN polyurethane hose style, Stream-Line couplings, nipples and swivels that provide reusable, leak-free hose connections.



### Technical data

	Spiral PUR Hose	Low Pressure PVC Hose	Low Pressure Rubber Hose
Max. working pressure	10 bar (145 PSI)	15 bar (217 PSI)	15 bar (217 PSI)
Min. burst pressure	25 bar (362 PSI*)	60 bar (870 PSI*)	60 bar (870 PSI*)
Temperature range	-20°C – +60°C (-4°F – +140°F)	-15°C – +60°C (5°F – +140°F)	-40°C – +60°C (-40°F – +140°F)
Hose material	Ester-based polyurethane, Non-Braided	PVC, Polyester reinforced	Nitrile rubber (NBR) with NBR/PVC cover
ID x OD (MM)	6,5 x 10, 8 x 12	10 x 16	6.3 x 15.3, 9.5 x 19.5
Features	Spiral hose kit comes fixed length and ready for immediate use with Series 342 couplings and nipples with CEJN's reusable Stream-Line connection. Electrical resistivity: $R \leq 10^8 \Omega/m$	CEJN Hose Kits in custom made lengths and with CEJN Series 340, 341, 342, 344, 345 or 346 couplings and nipples.	CEJN Hose Kits in custom made lengths and with CEJN Series 340, 341, 342, 344, 345 or 346 couplings and nipples. Electrical resistivity: $10^3 \Omega/m < R < 10^8 \Omega/m$ in accordance with EN 14593:2005 and EN 14594:2005
	<ul style="list-style-type: none"> <li>• Resistance to sparks from welding and grinding</li> <li>• Color green</li> <li>• Light and flexible with very good rebound qualities</li> <li>• Excellent resistance to oils, solvents and other non-aqueous solutions</li> <li>• Long service life</li> <li>• Other series couplings/nipples upon request</li> </ul>	<ul style="list-style-type: none"> <li>• Custom made lengths</li> <li>• Stainless steel ferrule</li> <li>• Color green</li> <li>• Lightweight</li> <li>• Cost effective</li> <li>• Easy handling due to its good flexibility</li> <li>• Cadmium &amp; silicone free</li> <li>• Resistant to acids, alkali and most inorganic chemicals</li> <li>• Resistance to sparks from welding and grinding</li> <li>• Long service life</li> </ul>	<ul style="list-style-type: none"> <li>• Custom made lengths</li> <li>• Stainless steel ferrule</li> <li>• Color black with green stripe</li> <li>• Marked with H (heat resistant), S (anti-static) and F (flam resistant) according to valid standards</li> <li>• Good flexibility in low temperatures</li> <li>• Antistatic, Conductive tube and cover, <math>10^3 \Omega/m &lt; R &lt; 10^8 \Omega/m</math></li> <li>• Excellent chemical resistance</li> <li>• Abrasive resistant</li> <li>• Long service life</li> </ul>
	Fulfills requirements acc. EN 14593 1/2:2005 and EN 14594:2005 : Light duty (class A)	Fulfills requirements acc. EN 14593 1/2:2005 and EN 14594:2005 : Heavy duty (class B), AS/NZS 1716:2012	Fulfills requirements acc. EN 14593 1/2:2005 and EN 14594:2005 : Heavy duty (class B), AS/NZS 1716:2012
	*) Valid for working temperature at +20°C	*) Valid for working temperature at +20°C	*) Valid for working temperature at +20°C

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