



H2S Protection

Quick Connect Solutions

BREATHING AIR





What if you breathe with industrial hoses and rusty couplings?

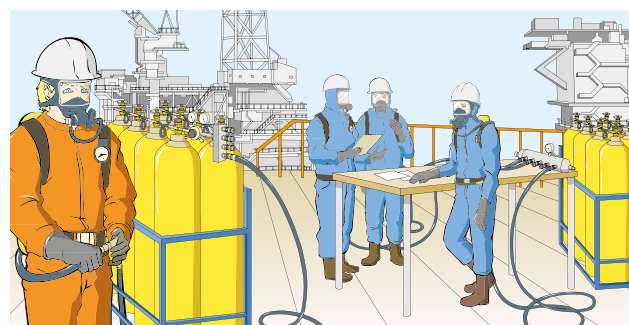
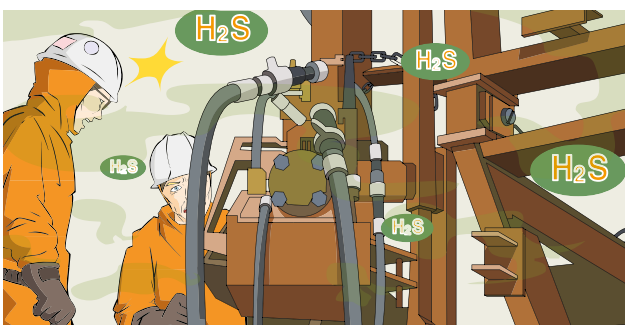


Secure your next breath

THE THREAT OF H₂S GAS. The Hydrogen Sulphide Gas (H₂S) is a serious threat to human life and it can hit its victims within seconds. It is produced by bacterial breakdown of organic materials and is a colorless, flammable and extremely hazardous gas with a characteristic odor similar to a “rotten egg”. Operators facing an H₂S leakage must quickly use their self-contained breathing apparatus, which has a limited time of use, normally 15 min. At this point it’s crucial that the rig has Air Cascade systems that can supply continuous, fresh breathing air to the connected users for longer periods of time. The threat of H₂S gases are present in both exploration (UPSTREAM) and refining (DOWNSTREAM).

BE SAFE WITH PRODUCTS FROM CEJN. When your life is at stake, it is essential for your equipment to work properly. As a safety-focused company, CEJN now offers a new safety range within the field of breathing air – we call it bSafe. With reliable, Quick Connect breathing air products from CEJN, you can rest assured that you are getting safe, durable products that supply your lungs with fresh, uncontaminated air.

TO AVOID ANY CONTAMINATION our couplings are made of stainless steel and greased with breathing air approved material, with our hoses meeting international standards (EN 14593/14594, SAEJ517). We also offer an acid-proof coupling, Series 346. These products are two-hand operated when disconnecting in order to avoid accidental disconnection.



Series 340

- Safety function that prevents accidental disconnect
- 100% tested and greased for breathing air
- Hose kits according to EN/NIOSH standards



Series 346

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



Series 344

- One-hand operation to connect
- Automatic safety locking feature
- Large range of connections available
- Extremely high flow capacity
- Lightweight
- Stainless steel nipples available



Series 342

- Automatic safety-locking feature
- Extremely high flow capacity
- One-hand operation



High Pressure Thermoplastic Hose

- Custom made lengths
- Wide option of fittings
- Lightweight, 100 g/m
- Micro perforated



Low Pressure Rubber Hose

- Custom made lengths
- Stainless steel ferrule
- Good flexibility in low temperatures
- Excellent chemical resistance
- Abrasive resistant



Low Pressure PVC Hose

- Custom made lengths
- Stainless steel ferrule
- Easy handling due to its good flexibility
- Cadmium & silicone free

bSafe
Safe Breathing Air Solutions



DOWNSTREAM



The Quick Connect Solution Provider

Low Pressure PVC Hose

CEJN Hose Kits in custom made lengths and with CEJN Series 341, 342, 344, 345 or 346 couplings and nipples. Fulfills requirements acc. EN 14593 1/2:2005 and EN 14594:2005 : Heavy duty (class B), AS/NZS 1716:2012



Hose material PVC, Polyester reinforced
ID x OD 0.39 x 0.62" (10 x 16 mm)
Max. working pressure..... 217 PSI (15 bar)
Min. burst pressure..... 870 PSI (60 bar)
Temperature range 5°F – + 140°F (-15°C – +60°C)

*) Valid for working temperature at +20°C

Low Pressure Rubber Hose

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 Fulfills requirements acc. EN 14593 1/2:2005 and EN 14594:2005 : Heavy duty (class B), AS/NZS 1716:2012



Hose material Nitrile rubber (NBR) with NBR/PVC cover
ID x OD 0.37 x 0.76, 0.37 x 0.77" (6.3 x 15.3, 9.5 x 19.5 mm)
Max. working pressure..... 217 PSI (15 bar)
Min. burst pressure..... 870 PSI (60 bar)
Temperature range -40°F – + 140°F (-40°C – +60°C)

*) Valid for working temperature at +20°C

High Pressure Thermoplastic Hose

CEJN Hose Kits custom made lengths with a wide range of connections available. Fulfills requirements acc. Standard CGA G-7.1-2004 Grade E Breathing Air Standards, NFPA 1901, NFPA 1961, and comply with European Directive 2002/72/EC and exceed standards SAE J517 sec. SAE 100R8 - EN 855 - ISO 3949.



Hose material Thermoplastic Polymer with PUR cover and reinforced with aramid fiber
ID x OD 0.24 x 0.5" (6.3 x 12.7 mm)
Max. working pressure..... 5990 PSI (413 bar)
Min. burst pressure..... 24003 PSI (1655 bar)
Temperature range -40°F – + 158°F (-40°C – +70°C)

*) Valid working temperature at -40°C to +82°C From -40°F to +180°F

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.us, for general maintenance tips. All measurements are in mm.

Series 340

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

TECHNICAL DATA

Nominal flow diameter 1/4" (6.2 mm)
Air flow..... 24.7 CFM (700 l/min)
Max. working pressure..... 507 PSI (35 bar)
Min. burst pressure..... 2030 PSI (140 bar)
Temperature range -22°F – +212°F (-30°C – +100°C)
Material coupling..... Stainless Steel 304
Material nipple..... Stainless Steel 304
Material seal..... NBR (Nitrile)

Flow capacity is measured at 87 PSI (6 bar) inlet pressure, and pressure drop at 7 PSI (0.5 bar).



Series 342

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

CEJN Original Standard

TECHNICAL DATA

Nominal flow diameter 9/32" (7.4 mm)
Air flow..... 68.8 CFM (1950 l/min)
Max. working pressure..... 507 PSI (35 bar)
Min. burst pressure..... 2030 PSI (140 bar)
Temperature range -22°F – +212°F (-30°C – +100°C)
Material coupling..... Zinc-plated steel/brass
Material nipple..... Hardened zinc-plated steel
Material seal..... NBR

Flow capacity is measured at 87 PSI (6 bar) inlet pressure, and pressure drop at 7 PSI (0.5 bar)



Series 344

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

TECHNICAL DATA

Nominal flow diameter 9/32" (7.4 mm)
Air flow..... 68.8 CFM (1950 l/min)
Max. working pressure..... 507 PSI (35 bar)
Min. burst pressure..... 2030 PSI (140 bar)
Temperature range -22°F – +212°F (-30°C – +100°C)
Material coupling..... Nickel-plated brass
Material nipple..... Nickel-plated brass
Material seal..... NBR

Flow capacity is measured at 87 PSI (6 bar) inlet pressure, and pressure drop at 7 PSI (0.5bar).



Series 346

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

TECHNICAL DATA

Nominal flow diameter 9/32" (7.0 mm)
Air flow..... 28.2 CFM (800 l/min)
Max. working pressure..... 507 PSI (35 bar)
Min. burst pressure..... 2030 PSI (140 bar)
Temperature range -22°F – +212°F (-30°C – +100°C)
Material coupling..... Stainless steel, AISI 316
Material nipple..... Stainless steel, AISI 316
Material seal..... NBR

Flow capacity is measured at 87 PSI (6 bar) inlet pressure, and pressure drop at 7 PSI (0.5 bar).



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