



For your safety


- Strictly follow this Instruction for Use and the instructions supplied with the associated self-contained breathing apparatus (SCBA).
- Use of this equipment requires wearer training, knowledge, observance of this Instruction for Use, and compliance with national regulations, laws and standards governing the use of respiratory apparatus in the country of use.
- Use the equipment only for the purpose specified in this Instruction for Use.
- Only trained and competent personnel should carry out inspection and charging of compressed air cylinders.
- Contact Dräger for details of training courses and service contracts.
- Use only original Dräger spare parts for servicing and maintenance.
- Notify Dräger in the event of any component fault or failure.

Definitions of alert icons

The following alert icons are used throughout this document to provide and highlight areas of the associated text that require a greater awareness by the user. A definition of the meaning of each icon is as follows:

 **NOTICE**
This icon indicates additional information on how to avoid inconveniences when carrying out the instructions described.


 **CAUTION**
This icon indicates a potentially hazardous situation which, if not avoided, could result in physical injury to the user, or damage to the product. It may also highlight an alert against unsafe practices.

 **WARNING**
This icon indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the user.

Warranty and liability statement

Responsibility for reliable function of the coupling transfers to the owner or operator when it is assembled, serviced or repaired by untrained personnel or when used in a manner not conforming to its intended use.

Description and intended use

 **CAUTION**
The Dräger quick connect coupling is not compatible with 200 bar cylinders.

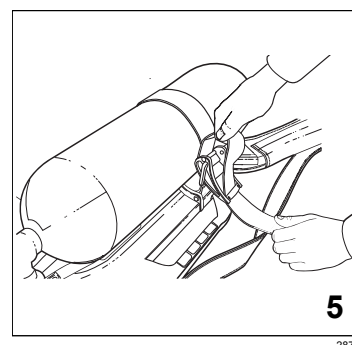
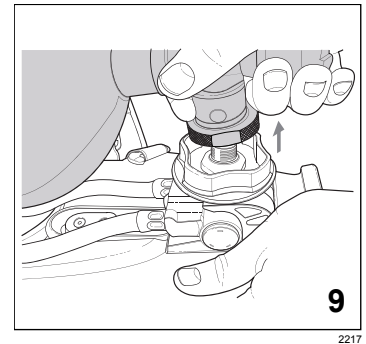
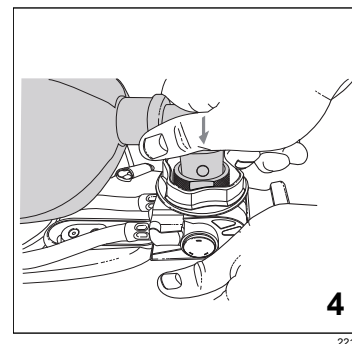
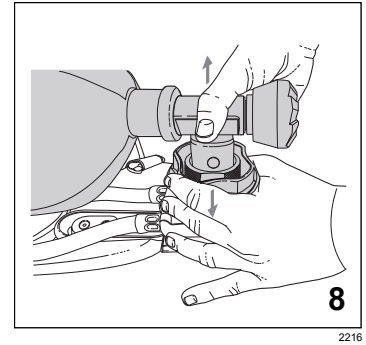
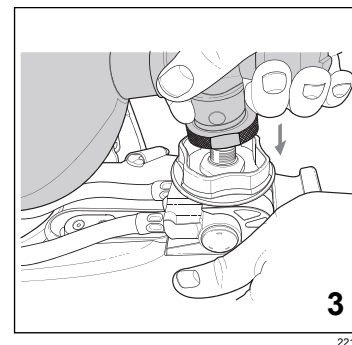
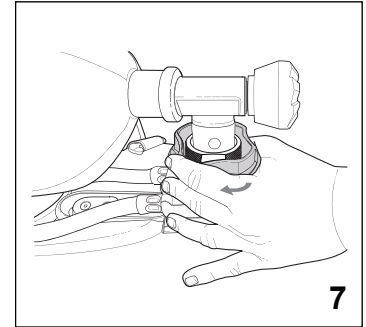
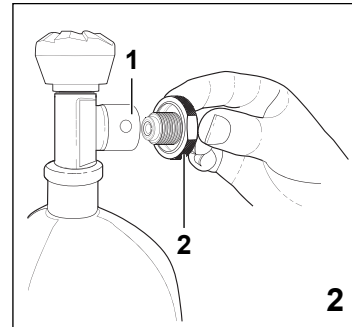
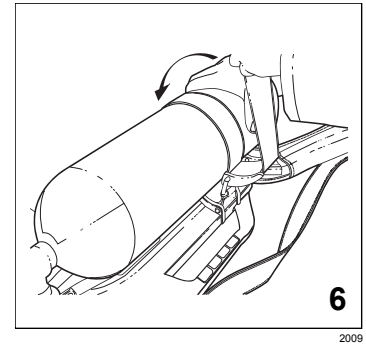
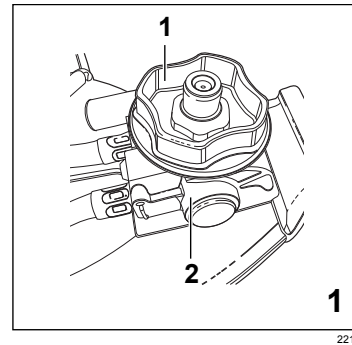
The Dräger quick connect coupling replaces a conventional threaded connector between the cylinder valve and a PSS® 7000 Series SCBA. The coupling provides a press-in connector that significantly reduces cylinder connection and disconnection times. The coupling is supplied as a 300 bar high-pressure connector. The coupling comprises two parts as follows:

- A latching mechanism with handgrip (1, Fig 1), pre-installed on the first-stage reducer (2) of the SCBA.
- A cylinder valve adaptor (2, Fig 2).

These instructions describe the fitting of the cylinder valve adaptor to the cylinder valve and use of the Dräger quick connect coupling.

Technical data

High-pressure connector – 300 bar (breathing quality air conforming to EN 12021)




Fitting the cylinder valve adaptor to the cylinder valve


- Check that the internal threads and bores of the cylinder valve (1, Fig 2) and cylinder valve adaptor (2) are clean and undamaged.
- Ensure that the O-ring is fitted in the end groove of the cylinder valve adaptor.
- Align and screw the cylinder valve adaptor (clockwise) into the cylinder valve (Fig 2) until an initial restriction is felt.
- Continue turning the adaptor, using only the thumb and index finger, until a definite metal-to-metal contact is achieved.
- If a more permanent fitting of the cylinder valve adaptor is required, it may be further tightened to a recommended torque of 18–20 Nm. (A suitable torque wrench with a 38 mm AF open-jaw spanner attachment is required.)

Fitting the cylinder to the SCBA

- Check that the bores of both halves of the quick connect coupling are clean and undamaged.
- Lay the carrying frame of the SCBA horizontal and fully extend the cylinder strap.
- Insert the cylinder (valve end first) through the cylinder strap, and slide the cylinder to align the two halves of the quick connect coupling.
- Pivot the first-stage reducer to fully align the two halves of the quick connect coupling.
- Press the cylinder valve adaptor firmly into latching mechanism (Fig 3) until an audible click is heard. The handgrip will rapidly rotate approximately 70°–80° anticlockwise, indicating that the coupling is fully connected (Fig 4).
- Take up the slack in the cylinder strap (Fig 5).
- Pull the strap over the cylinder to operate the camlock (Fig 6) and secure using the hook-and-loop fastening.
- Refer to the relevant instructions for the SCBA for further connection and operating information.


Removing the cylinder from the SCBA

 **WARNING**
High-pressure air release due to inadvertent opening of the cylinder valve may cause injury to the personnel in the vicinity of the SCBA. Take care to avoid inadvertent opening of the cylinder valve.


 **NOTICE**
A safety interlock in the quick release coupling will prevent coupling disconnection if the system is not fully vented.

- Close the cylinder valve and fully vent system (refer to the relevant instructions for the SCBA).
- Release the cylinder by fully extending the cylinder strap.
- Turn the handgrip fully clockwise until it stops (Fig 7) and hold in position.
- Press down on the handgrip and simultaneously lift the cylinder valve away from the latching mechanism (Fig 8).
- When the two halves of the coupling are fully separated (Fig 9), remove the cylinder from the SCBA.
- It is recommended that a blanking piece be installed into the cylinder valve adaptor prior to cylinder storage. The blanking piece protects the coupling and prevents high-pressure air release in case of inadvertent opening of the cylinder valve. (Contact Dräger for details and supply of a suitable blanking piece.)

Charging the cylinder

 **WARNING**
Failure to observe cylinder charging regulations and air quality requirements can cause injury or death to SCBA users.

- Refer to the cylinder manufacturer's instructions and relevant national regulations for all charging operations.

 **NOTICE**
Do not attempt to charge a cylinder fitted with quick-connect cylinder valve adaptor, without a suitable adaptor on the charging hose.

- Install a quick connect charging adaptor on to charging hoses, or remove the cylinder valve adaptor from the cylinder valve, before commencing cylinder charging. (Contact Dräger for details and supply of a suitable quick connect charging adaptor.)

Approvals

The European standards, guidelines, and directives according to which this product is approved are specified in the declaration of conformity (see declaration of conformity or www.draeger.com/product-certificates).