

# Handheld pump

for firefighting backpack



## Introduction

Dear customer,

thank you for your purchase of our product, the product of Lestech company, the manufacturer of the firefighting equipment. This manual will provide you with the necessary information for the right handling with the product. Please read it carefully before using the backpack. If you need additional technical information, do not hesitate to e-mail us at [lestech@lestechcz.com](mailto:lestech@lestechcz.com).

## Maintenance

- !** To ensure safety and long lifetime of Ermak, please read this manual carefully before using.
- !** After use of the backpack with water and chemical additives, fill the backpack with pure water and pump several times to clean the inner bag, hose and handheld pump. After that empty the bag and let it dry.
- !** After use, before storage, unscrew the upper cap of the handheld pump, pull out the operating rod terminated with the piston and use oil. After that insert the operating rod back into handheld pump and pump several time.
- !** Don't use to fight with flammable liquids (such as gasoline), gases, electrical devices (electric shock hazard), flammable metals (explosion hazard), burning oils (explosion hazard).

## Handheld pump version



### Long pump 635mm, brass or aluminum tube

|                   |                                           |
|-------------------|-------------------------------------------|
| Full flow [m]     | 12.0                                      |
| Spraying flow [m] | 6.0                                       |
| Flow rate [l/m]   | 6.0 (fast pumping, ca. 55 strokes/min)    |
|                   | 4.5 (relaxed pumping, ca. 41 strokes/min) |



### Short pump 560mm, brass or aluminum tube

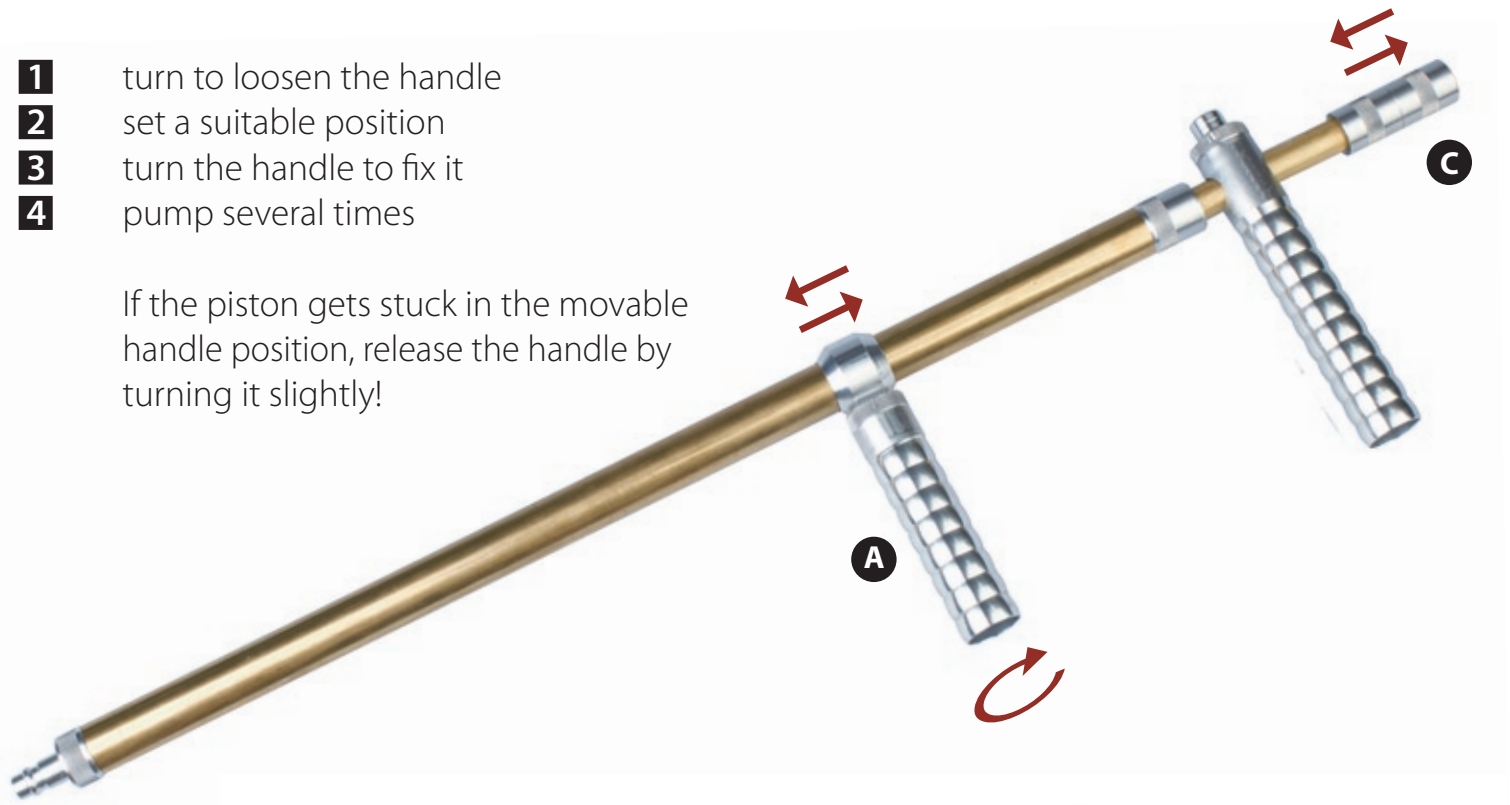
|                   |                                           |
|-------------------|-------------------------------------------|
| Full flow [m]     | 12.0                                      |
| Spraying flow [m] | 6.0                                       |
| Flow rate [l/m]   | 5.7 (fast pumping, ca. 55 strokes/min)    |
|                   | 4.2 (relaxed pumping, ca. 41 strokes/min) |

## Movable handle

**A** The **movable handle** allows you to set the correct position for manipulation. Both wrists are in a natural position and are not overloaded.

- 1** turn to loosen the handle
- 2** set a suitable position
- 3** turn the handle to fix it
- 4** pump several times

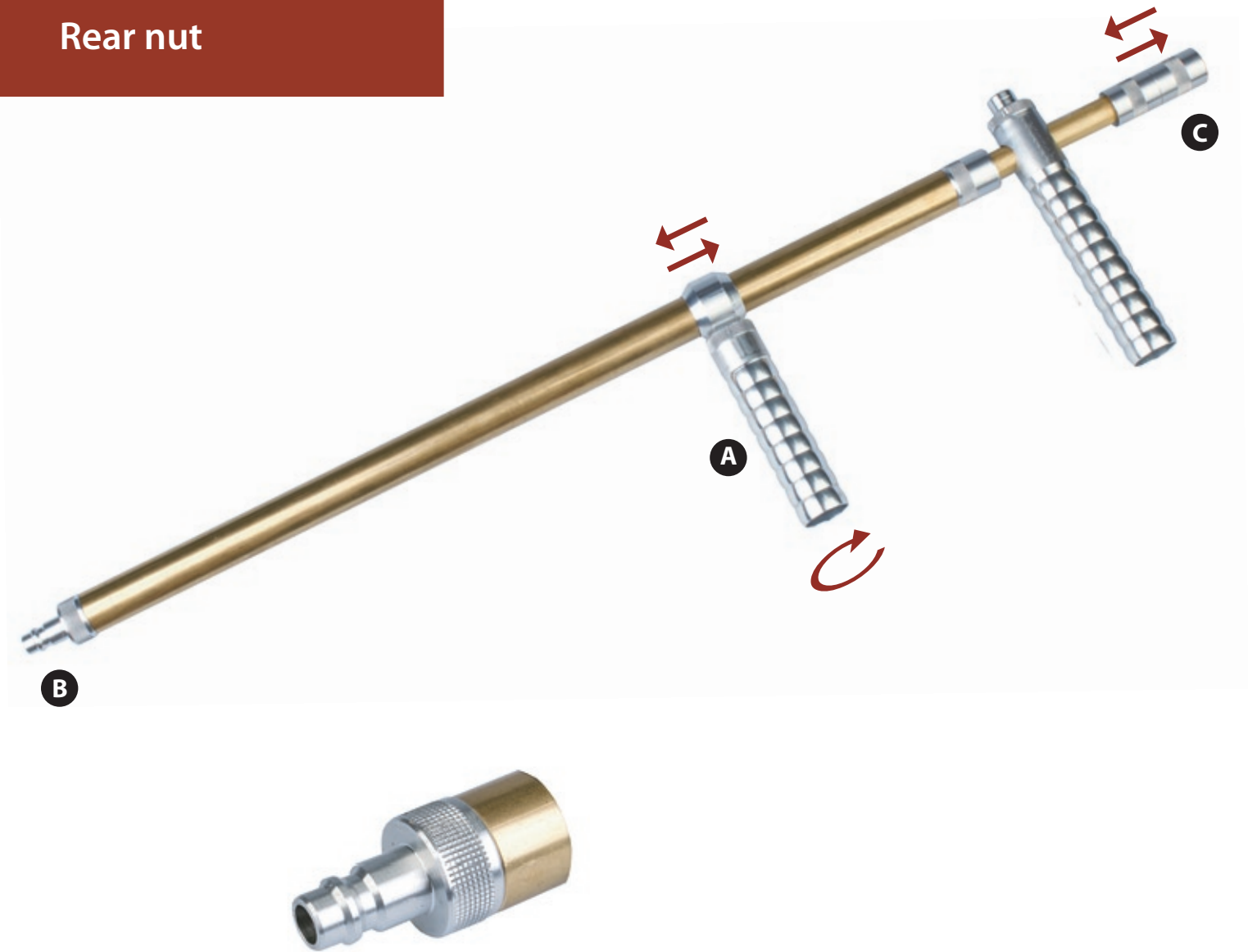
If the piston gets stuck in the movable handle position, release the handle by turning it slightly!



**B**



## Rear nut

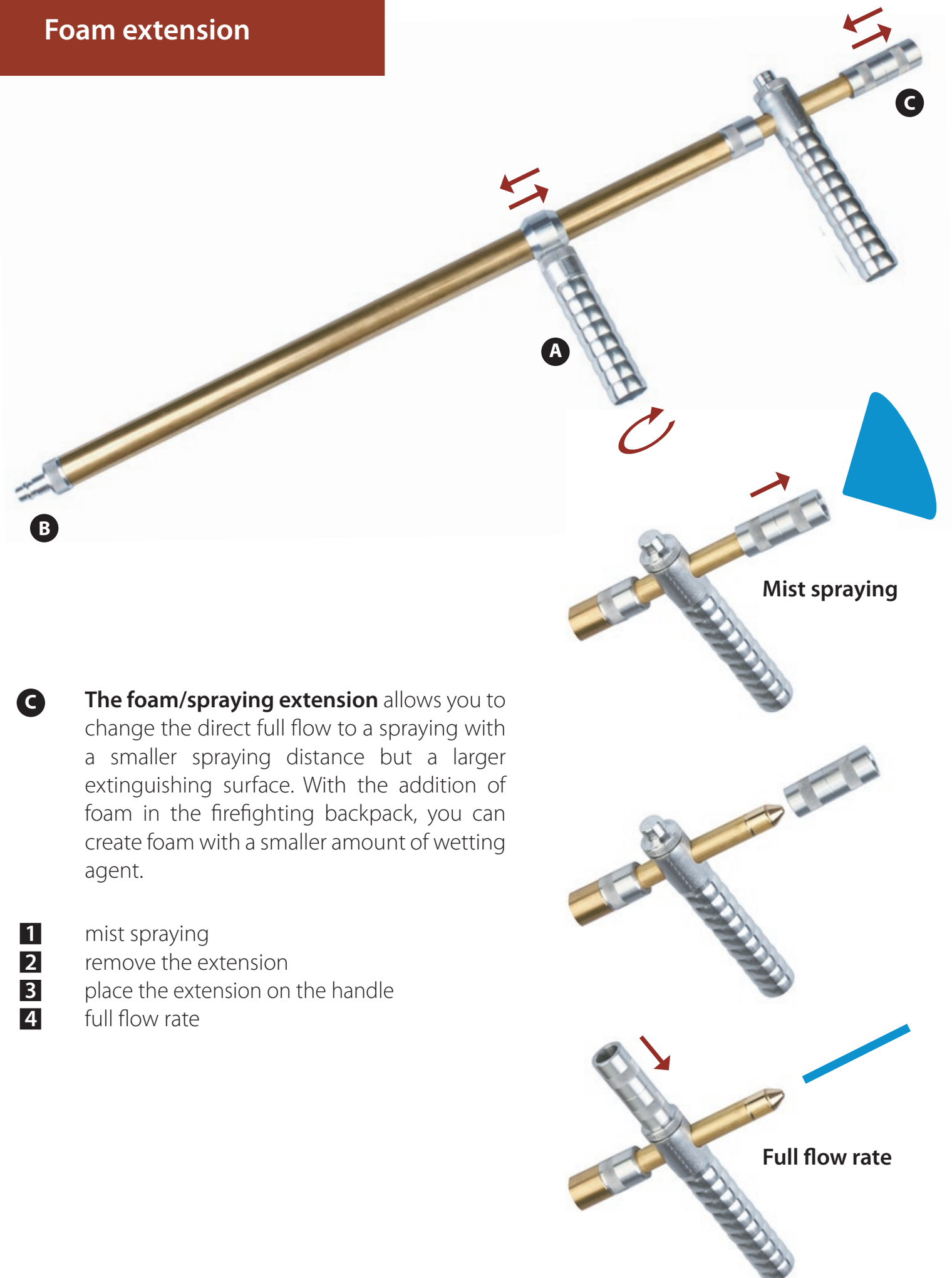


**B** The rear nut is prepared for connection with a quick-connect coupling that can be attached to the hose of the backpack. This allows for quick disconnection of the handheld pump from the backpack and connection...

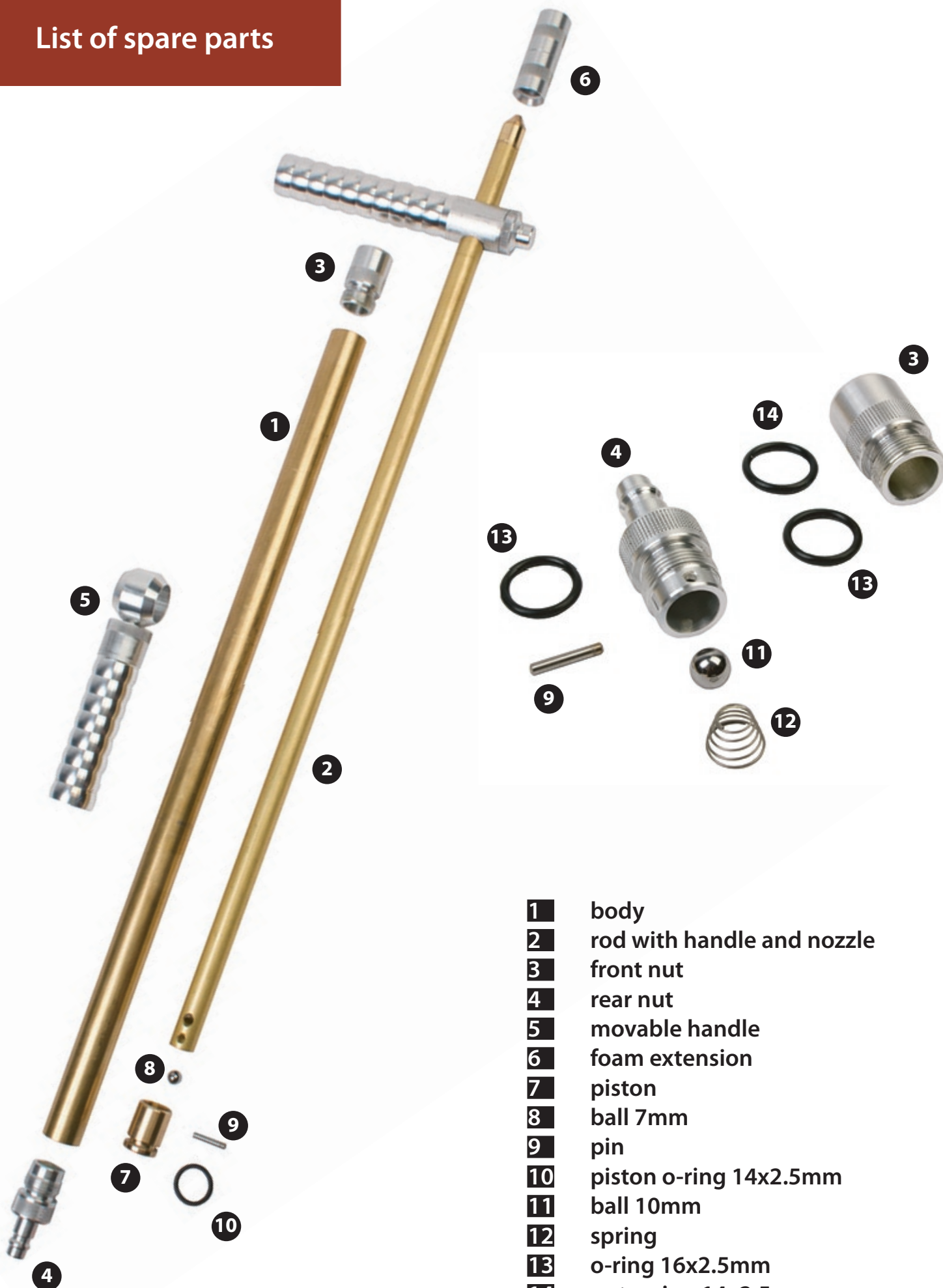
- 1** ... the filling system
- 2** ... TIGER blower

If you order a firefighting backpack with a filling system or in a TIGER set with a blower, the quick-connect coupling is installed on the firefighting backpack!

## Foam extension

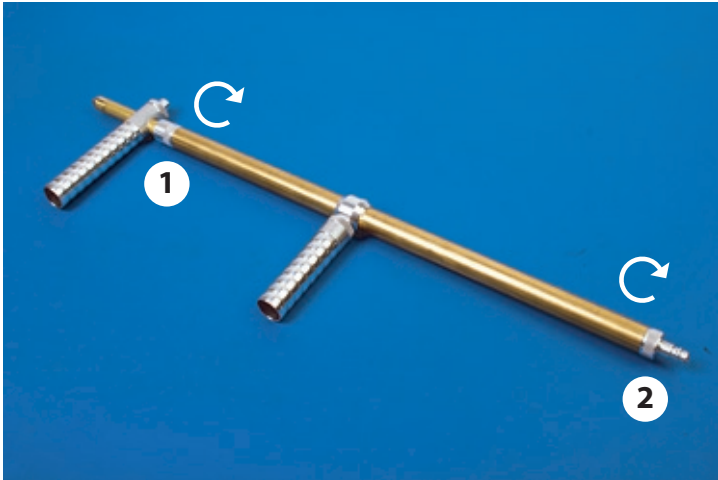


## List of spare parts



- 1** body
- 2** rod with handle and nozzle
- 3** front nut
- 4** rear nut
- 5** movable handle
- 6** foam extension
- 7** piston
- 8** ball 7mm
- 9** pin
- 10** piston o-ring 14x2.5mm
- 11** ball 10mm
- 12** spring
- 13** o-ring 16x2.5mm
- 14** nut o-ring 14x2.5mm

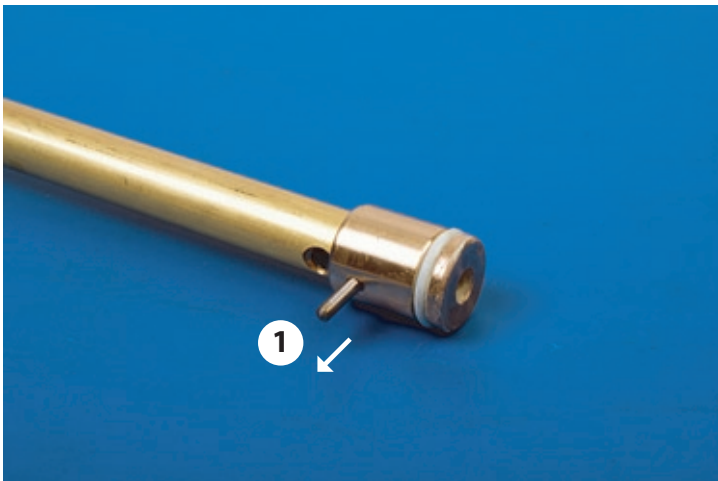
## Maintenance



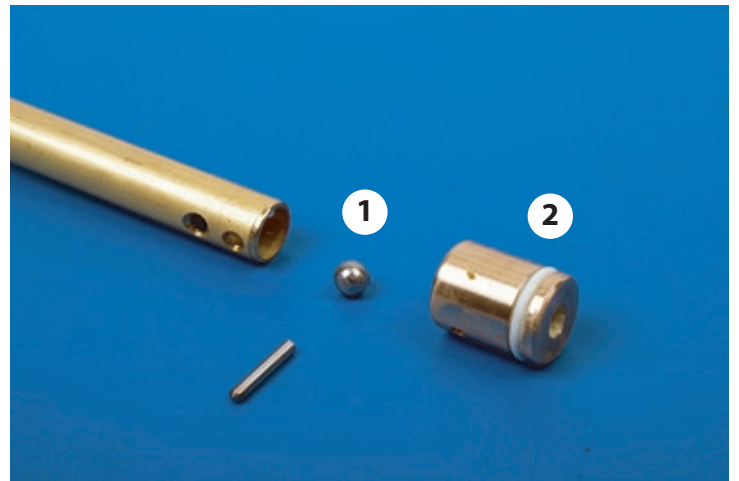
Unscrew the front nut (1) and the rear nut (2)



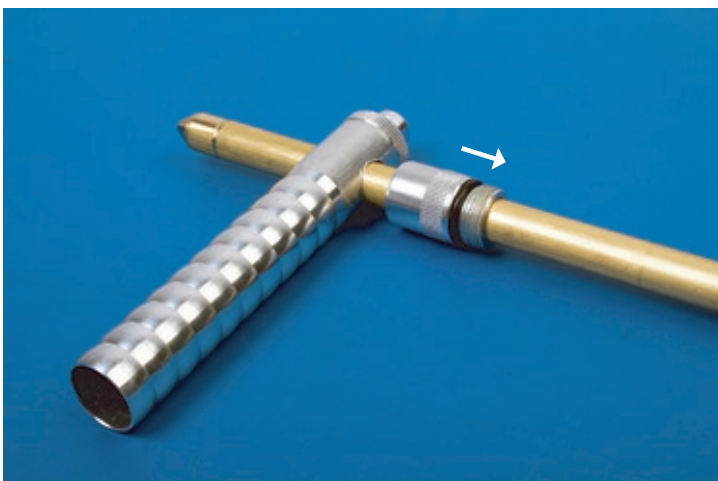
Pull out the rod with handle, front nut and piston.



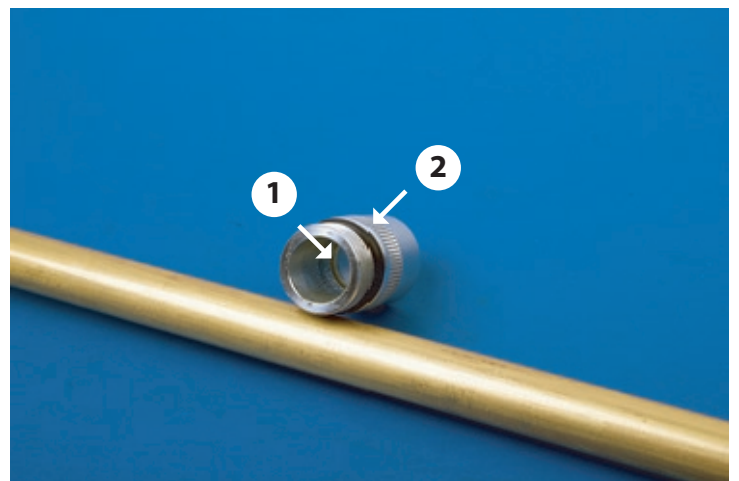
Pull out the pin (1).



Pull out the piston (2) with the ball (1). Remove the o-ring and replace it with a new one.



Slide the front nut off the rod.



Remove the o-rings (1) and (2) and replace them with new ones.

## Rozložení



Remove the o-rings (1) and (2) and replace them with new ones.



Slide out the pin (1), remove the spring (2) and the ball (3).



Screw on the rear nut. Place the front nut on the rod. Place the ball in the piston, place the piston on the rod and fix the piston with the pin. Insert the rod into the tube and screw on the front nut.



**ATTENTION!** The ball must be placed on the piston just behind the pin. The ball must not move freely in the rod.

join us...



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