

## 1. Recommendation

This cap is designed to reduce the danger posed to third persons and the environment in the case of malfunctions. As such, only experienced technical personnel should be permitted to deal with it.

Regular exercises should be performed and recorded using the emergency equipment.

## 2. General

If a leakage is determined on the valve of a chlorine cylinder using ammonia steam, the alarm must be raised in accordance with the provisions of the chlorine emergency plan; the chlorine emergency cap must then be fitted.



Should a strong leak develop (steaming out) summon the Fire Service.

With light leaks (ammonia cloud) work can be carried out using a face mask which covers the entire face and is fitted with a B2 filter. The highest-permissible concentration according to the manufacturer (Dräger) is 5000 ppm.

Practical approach: When a chlorine alarm is displayed < 5ppm work can be performed in the chlorine gas room.

Never perform any work alone! A second man must remain in the background in a safety role. He must also wear breathing apparatus.

## 3. Operating instructions

Should a cylinder valve on the spindle or screw-in thread exhibit a leak, our emergency cap can be used to stem the leak as shown.

Perform the following working steps:

1. Screw on the lock nut of the leaking valve.
2. Clean the sealing surface or thread of the cylinder with a triangular scraper or a wire brush.



Fig. 1: Cleaning the thread and sealing surface

3. Open the valve of the emergency cap (prevents problems with the seal with pressure build-up whilst turning up).
4. Check the washer seal of the emergency cap.
5. Turn up the emergency cap on the cylinder. Ensure that the cap is lying on the sealing surface.



6. Tighten with special tools.



Fig. 2: Tightening the emergency cap with the special wrench

7. Close the emergency cap valve.



Fig. 3: Closing the emergency cap valve

8. Screw the chlorine emergency cap valve lock nut tightly.
9. Perform personal decontamination (showering).
10. After c. 10 minutes, check for leaks with ammonia.
11. Screw the protective cap on the emergency cap for transport.
12. Inform the supplier.



✓ Emergency cap fitted

