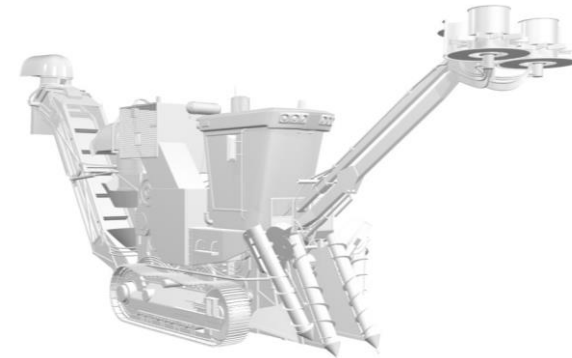




ROTAREX
FIRETEC

FireDETEC® SYSTEM TRAINING

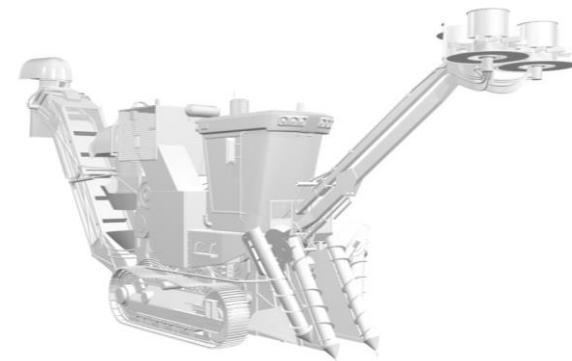
COMPACT LINE VEHICLE SYSTEM





1

RE-FILLING AFTER ACTIVATION



RE-FILLING AFTER ACTIVATION

Dismantling the Compact Line System

- Disconnect the detection tube from the CLS and from the end of line adapter.
- Disconnect the extinguishing line and clean it with clear water.
- Check if the nozzles are not clogged. Use compressed air if needed to clean them.
- Remove the pressure switches.
- Unscrew the CLS and remove it.
- Clean the discharge area with clear water and any element that might have come in contact with the agent.
- Break the seal of the isolation valve and open it if needed.



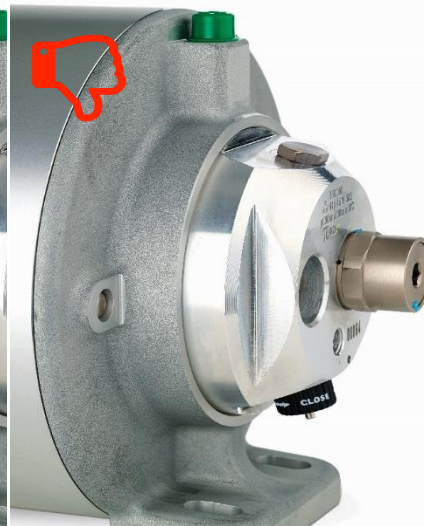
RE-FILLING AFTER ACTIVATION

Preparing the Compact Line System for refilling

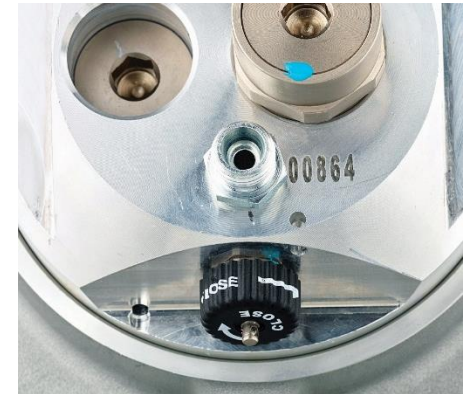
1. Put compressed air in the outlet to push the piston back in its starting position using an airgun.
2. Check the position of the piston
3. Then, put compressed air in the FireDETEC® connection port and close the isolation valve.



CORRECT



INCORRECT



STEP 1: FILLING

Filling the cylinder with Nitrogen

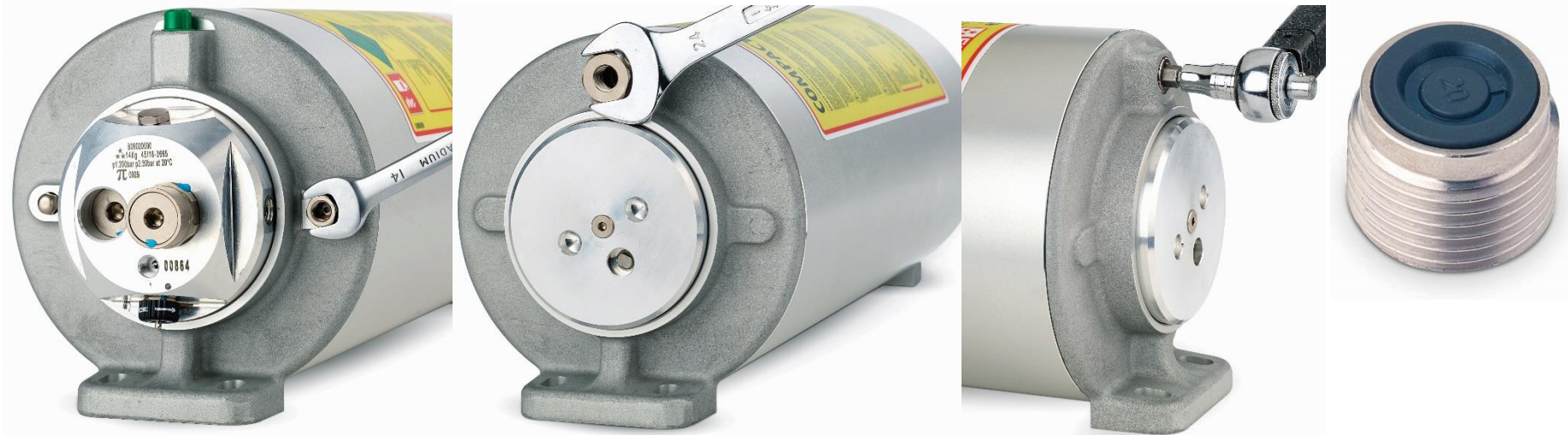
1. Screw the gas filling adaptor into the high-pressure monitoring port
2. Slowly fill the cylinder to a pressure of 200 bar at 20°C.
3. Using a pressure gauge, check the pressure inside the Compact Line



RE-FILLING AFTER ACTIVATION

Preparing the Compact Line System for refilling

1. Place the cylinder in an upright position.
2. Unscrew the bleedvalve, the outlet adapter and the hollow screw with the membrane.



The membrane should be punctured because of the activation of the system.

STEP 1: FILLING

Filling the cylinder with agent

1. Put the cylinder upright and put a funnel on the outlet.
2. Fill the Compact Line with agent respecting the following quantities:

EXTINGUISHING AGENT	OPERATING TEMPERATURE RANGE	FILLING AMOUNT		
		4L CYLINDER	7L CYLINDER	12L CYLINDER
FireDETEC® TS55	-35°C to 30°C	4L	7L	12L
FireDETEC® TS55	30°C to 80°C	3,9L	6,9L	11,8L
Berki Cold®	5°C to 30°C	4L	7L	12L
Berki Cold®	30°C to 50°C	3,9L	6,9L	11,8L



3. Place the rubber disk in the hollow screw and screw it in the outlet.
4. Screw the outlet adapter on the outlet.



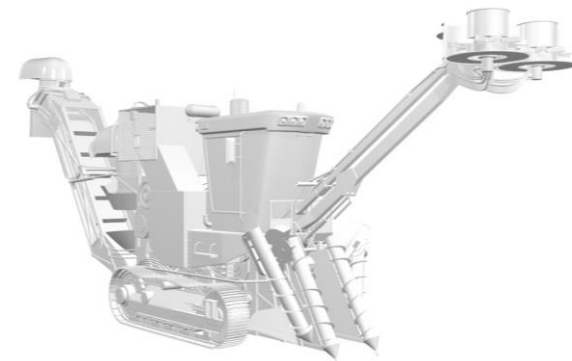
RE-FILLING AFTER ACTIVATION

Refilling the system after activation

- The Compact Line is now ready to be refilled as if it was new.
- Install a new detection line.
- Clean the discharge line with clear water (inside and outside). The discharge line can be re-used: it does not need to be replaced.
Check that the nozzles are not clogged.
- Since FireDETEC® TS55 is corrosive to zinc and to metals containing zinc (galvanized steel, some aluminium alloys...), it is highly recommended to clean the discharge area immediately after discharge and to visually check for corrosion.



MAINTENANCE



MAINTENANCE



MONTHLY (BY END USER)

- Check the cylinder (against corrosion, deterioration, etc.)
- Check the steel pipes brackets, fitting and mounting brackets
- Check the detection tubing against deformation, discoloration, abrasion, cuts or creases
- Check the safety valve
- Clean dirty components
- Check the pressures with the gauges of the pressure switches.
- Check if the piston is in its correct starting position.

ANNUALLY

- Visual Inspection
- Check of the high-pressure with gauges and refill if a pressure drop is detected.

EVERY 5 YEARS

- Replace detection tube

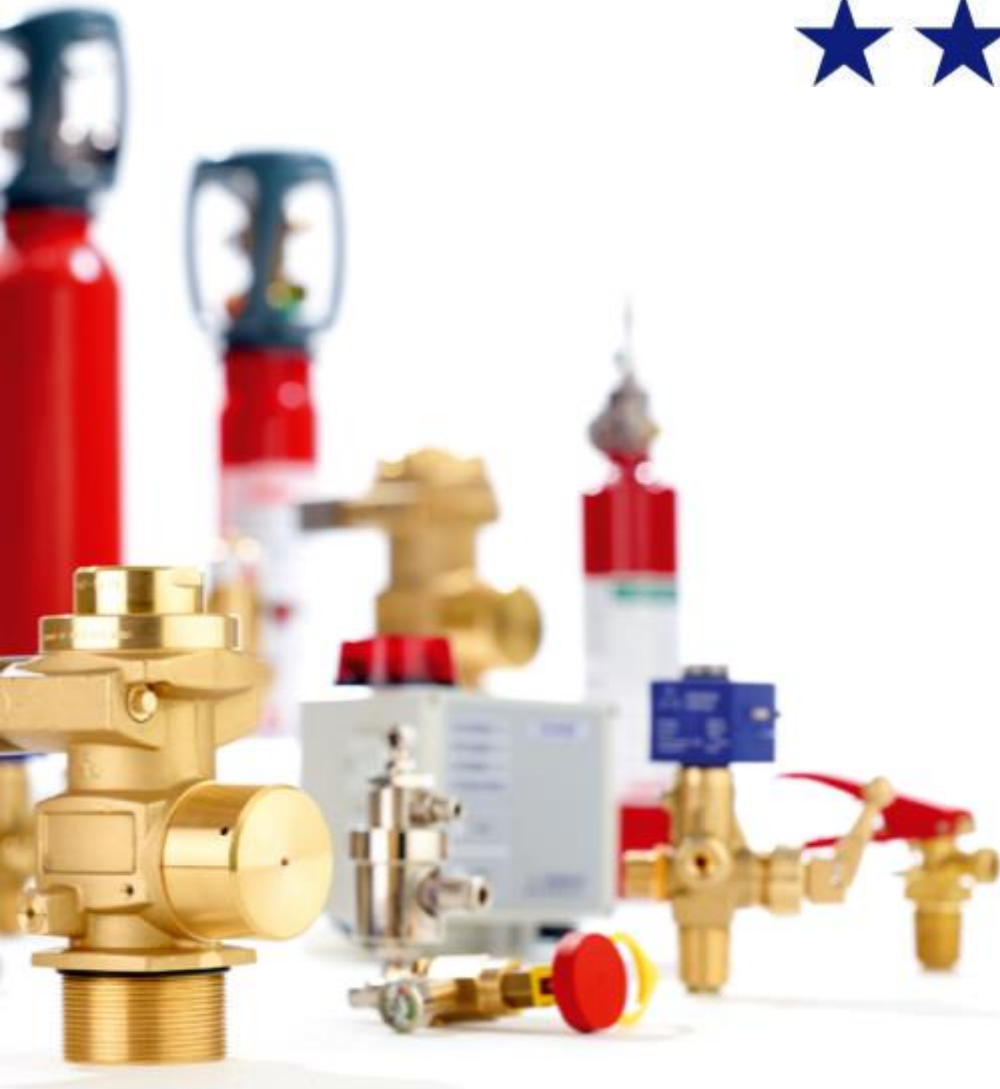
EVERY 10 YEARS

- The system may have to be checked by an inspector depending on the local regulation.



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QUESTIONS?





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HAPPY INSTALLING!

