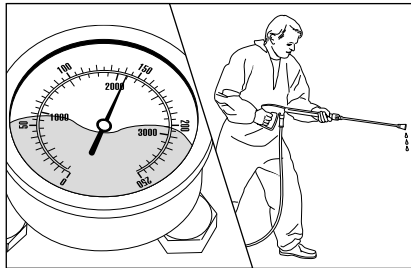


**Problem**

No water from nozzle although the high-pressure cleaner is running.  
The stainless steel pressure gauge shows full pressure.

**Cause**

**Most likely the nozzle is blocked.**



The stainless steel pressure gauge shows full pressure, but from the nozzle comes only little water or no water at all.

(Inside the stainless steel pressure gauge is no water but a filling with glycerin to damp the vibration of the pointer.)

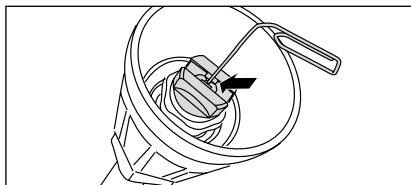
**Proceeding:**

Switch off the high-pressure cleaner. Pull plug from the socket. Operate safety trigger gun catch several times to decrease the pressure.

Remove safety trigger gun and lance first, then rinse high-pressure hose to remove possible soiling.

Check water inlet filter for soiling.

If the problem still exists, take wire (paper clip) and push through nozzle opening. If this procedure is not successful, the nozzle has to be replaced.



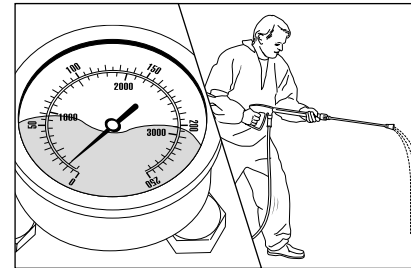
**Pull plug from socket prior to starting any repair work!**

**Problem**

Irregular jet from nozzle.  
The stainless steel pressure gauge shows low pressure.

**Cause**

**Most likely the valves are soiled or sticky.**



The stainless steel pressure gauge shows low pressure despite fully turned up pressure regulation. The water from the lance comes in squirts. The high-pressure hose vibrates.

(Inside the stainless steel pressure gauge is no water but a filling with glycerin to damp the vibration of the pointer.)

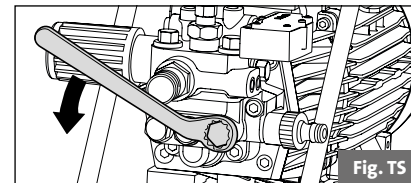
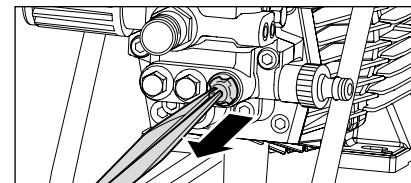


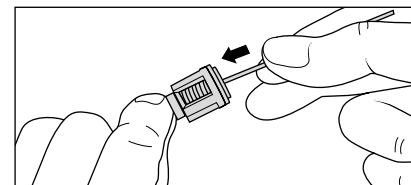
Fig. TS

**Proceeding:**

Unscrew all 6 valves, one after the other (hexagonal brass screws, 3 in a row, vertically and horizontally)



Take out valve body and O-ring by means of needle nose pliers. Check O-ring for damage. In case of a damage the O-ring has to be replaced.



Take a wire (paper clip) and clean valves under running water.

Do not forget the O-ring during reassembly!

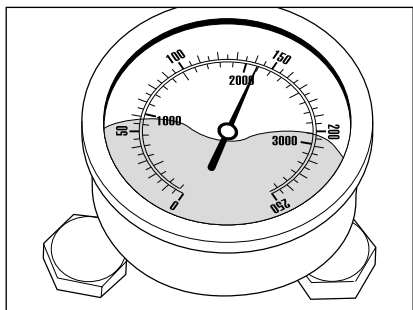
**HD 7/122, HD 10/122**

**Problem**

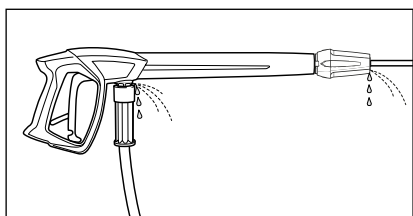
After closing the safety trigger gun, the pressure control valve-safety valve keeps switching. The stainless steel pressure gauge continuously displays full pressure.

**Possible cause No. 1**

**Leakage.**

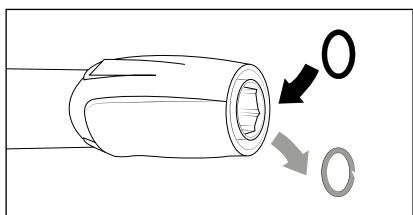


Having closed the safety trigger gun, the pressure control valve/safety valve must switch and the stainless steel pressure gauge must show „0“ bar. Failing to switch and with the stainless steel pressure gauge continuously showing full pressure, this could be due to leakage at the high-pressure pump, at the pressure switch, at the high-pressure hose or at the safety trigger gun.



**Proceeding:**

Check connections from the high-pressure cleaner to the high-pressure hose and from the high-pressure hose to the safety trigger gun and also the connection between lance and safety trigger gun for tightness.



Switch off the cleaner. Shortly press the trigger of the trigger gun with safety catch to decrease the pressure. Remove high-pressure hose, trigger gun with safety catch and lance and check the O-rings. If the O-rings are damaged they have to be replaced.



**In case of a leakage there is no guarantee for possible consequential damages.**

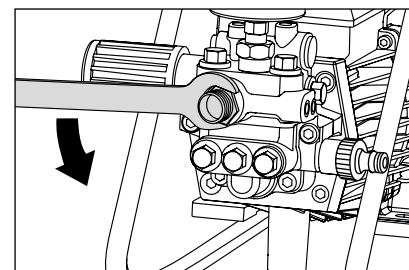
**HD 7/122, HD 10/122**

**Problem**

After closing the safety trigger gun, the pressure control valve-safety valve keeps switching. The stainless steel pressure gauge continuously displays full pressure.

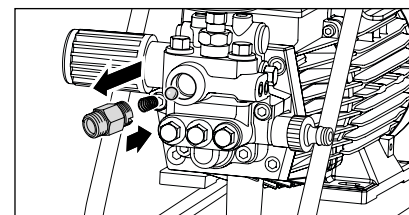
**Possible cause No. 2**

**The non-return valve is defective.**

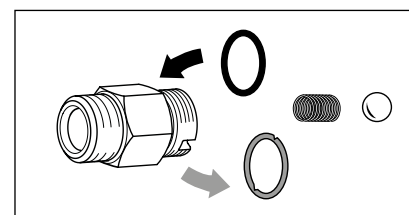


**Proceeding:**

Switch off the high-pressure cleaner and pull plug from socket. Stop water supply. Operate safety trigger gun catch several times to decrease the pressure. Unscrew pump outlet.



Remove check body and check O-Ring for soiling or damage. Also check seal seat inside pump housing for soiling or damage.



If sealing rings are defective replace O-rings at once.



**There is no guarantee if the high-pressure pump is damaged by defective O-rings due to air induction or lack of water (cavitation).**

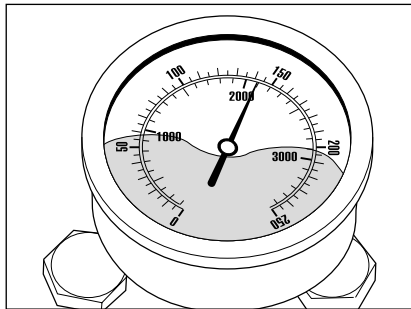
## HD 7/122 TS, HD 10/122 TS

### Problem

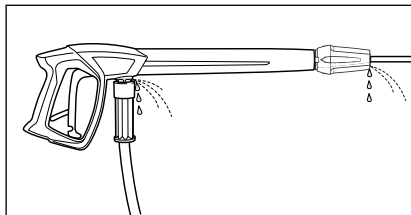
After closing the safety trigger gun the high-pressure cleaner keeps switching on and off. The stainless steel pressure gauge continuously displays full pressure.

### Possible cause No. 1

#### Leakage.

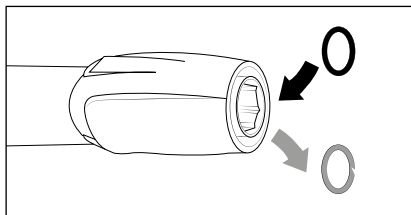


Having closed the trigger gun with safety catch, the high-pressure cleaner must shut down and the stainless steel pressure gauge must show „0“ bar. If not shut down and the stainless steel pressure gauge continuously shows full pressure, this could be due to leakage at the high-pressure pump, at the pressure switch, at the high-pressure hose or at the trigger gun with safety catch.



#### Proceeding:

Check connections from the high-pressure cleaner to the high-pressure hose and from the high-pressure hose to the safety trigger gun and also the connection between lance and safety trigger gun for tightness.



Switch off the cleaner. Shortly press the trigger of the trigger gun with safety catch to decrease the pressure. Remove high-pressure hose, trigger gun with safety catch and lance and check the O-rings. If the O-rings are damaged they have to be replaced.



**In case of a leakage there is no guarantee for possible consequential damages.**

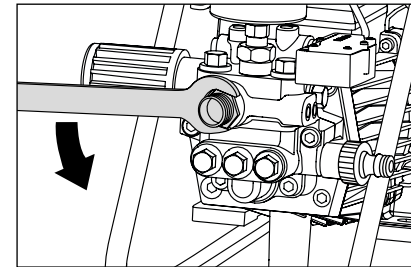
## HD 7/122 TS, HD 10/122 TS

### Problem

After closing the safety trigger gun the high-pressure cleaner keeps switching on and off. The stainless steel pressure gauge continuously displays full pressure.

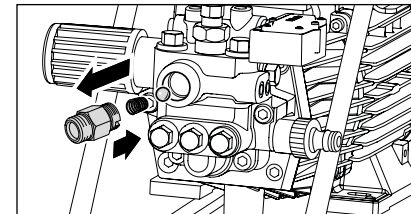
### Possible cause No. 2

#### The non-return valve is defective.

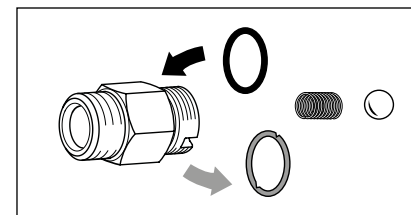


#### Proceeding:

Switch off the high-pressure cleaner and pull plug from socket. Stop water supply. Operate safety trigger gun catch several times to decrease the pressure. Unscrew pump outlet.



Remove check body and check O-Ring for soiling or damage. Also check seal seat inside pump housing for soiling or damage.



If sealing rings are defective replace O-rings at once.



**There is no guarantee if the high-pressure pump is damaged by defective O-rings due to air induction or lack of water (cavitation).**