



Appendix

Hydrotech

High pressure cleaning unit. Discfilter HSF2600



Revised: 2013-08-29

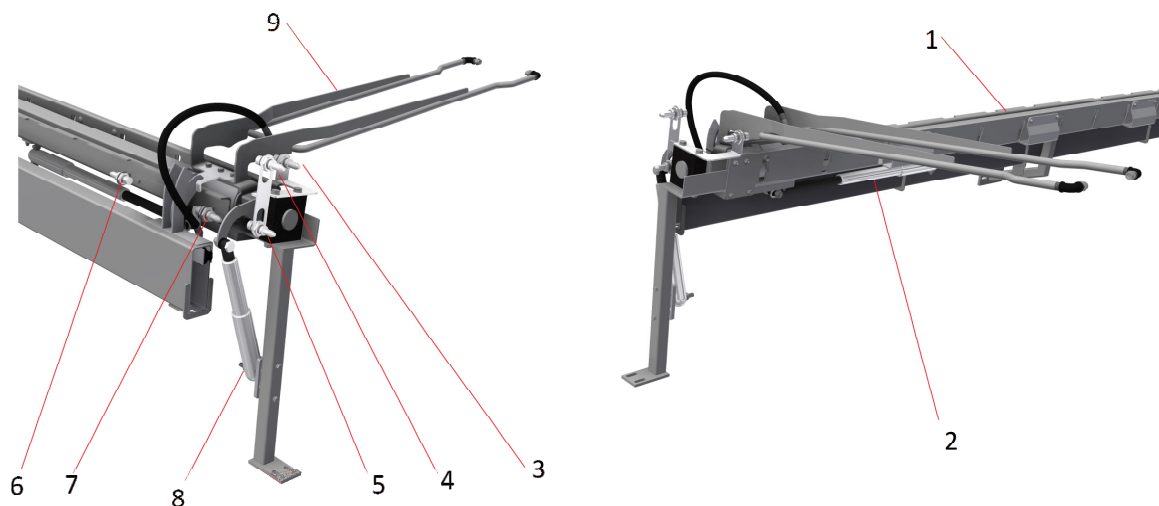
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1. INTRODUCTION

This appendix contains instructions for the Hydrotech high pressure cleaning unit for the HSF2600 Disc filter series.

2. OVERVIEW



- 1: Drive rail
- 2: Liner actuator (pusher)
- 3: Inductive sensor (home position)
- 4: Inductive sensor (arm in position)
- 5: Inductive sensor (arm out position)
- 6: Inductive sensor (pusher forward position)
- 7: Inductive sensor (pusher backward position)
- 8: Liner actuator (arm)
- 9: Spray arm

3. FUNCTION

3.1 Intended use

The equipment is designed to clean the filter panels with high pressurized water (80bar) to remove long term clogging.

3.2 Function description

The pusher (2) moves the drive rail (1) which moves the spray arm (9) from one disc to the next, when the spray arm (9) is in position the arm actuator (8) moves the spray arm (9) in steps to clean the whole disc. The drum is rotating the whole time and the time between the steps for the arm actuator (8) should be equal to the time for one drum revolution. When the spray arm (9) is in its most inner position the sensor arm in position (4) is activated and the drive rail (1) can move without moving the spray arm (9). When one of the pusher sensors (6 or 7) is activated (depending if the spray arm (9) is traveling backward or forward) the arm actuator (8) will bring the spray arm (9) out to the arm out position (5) and the drive rail (1) can move the spray arm (9) to the next disc. The home position (3) sensor is used to locate the spray arm (9).

3.3 Nozzles

The HPC is designed for nozzle size 4002. If any of the nozzles does not give an even spray pattern it has to be cleaned or replaced.



3.4 Pressure

The recommended pressure is 80 bar. Higher pressure will damage the filter media.

3.5 Pump specifications

The high pressure pump should be dimensioned to give 8.2 l/min at 80 bar.

3.6 Maintenance

Check for worn out or damaged parts every second week or more often depending on the application. Worn out part should be replaced as soon as possible. Contact your Hydrotech retailer.

Check for foreign objects interfering with the drive rail or spray arm every second week or more often depending on the application. These objects can damage the HPC and must be removed.

All sensors must be kept clean. Check the sensors and clean if necessary every second week or more often depending on the application.

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