Maintenance Plan / Pulse valves (MPP)

Table of content

1. Preventive maintenance / servicing 1
1.1. Scope of maintenance work. 1
1.2. Time specifications 1
2. Maintenance plan 2
2.1. Description of preventive maintenance 2
2.2. Structure of the preventive maintenance and thorough inspection plans 2
3. Maintenance plan for Pulse valves (MPP) 3

1. Preventive maintenance / servicing

1.1. Scope of maintenance work

- visual inspection of the state of preservation with little or no assembly required
- cleaning of easily accessible components
- checking the wear indicators on the individual products
- Preventive replacement of a component on the due date or when wear above the normal level is detected

The wear and tear of the components is highly dependent on the medium used. The maintenance schedules are therefore determined and defined on the basis of reference media (standard).
The reference media are

- for grease applications: Bechem Berulub FR16
- for oil applications: Berusil SM 100

The work listed in the maintenance schedules represents the usual maintenance of the components to keep them in nominal operating condition. The work is carried out by operators or qualified personnel, depending on the activity.

1.2. Time specifications

The maintenance schedule below contains information on the frequency of the preventive maintenance work to be carried out.
The times refer to operating hours or fixed dates.

Due date in operating hours	Due date in dates
	Daily before the start of work
every 40 hours	weekly
every 160 hours	monthly
every 500 hours	every three months
every 2000 hours	annually

Note:

The due dates apply to standard operation of 8 hours a day, 5 days a week.
In the event of deviations from this - e.g. multi-shift operation - the due dates must be brought forward accordingly.
If fixed deadlines are specified, these must be adhered to even if the workload is low.

2. Maintenance plan

The preventive maintenance plans presented in the form of tables define the work to be carried out on different dates. The work is summarized in technological component assemblies.

Note:

The maintenance plans add up. Example: the maintenance plan to be carried out after 1 year (2000 hours) must include the maintenance plans for the 2000 hours and the 500 hours of maintenance.

2.1. Description of preventive maintenance

The description is present if additional information is required to carry out the work. They are cross-referenced in the maintenance plans. The descriptions summarize the work to be carried out on a component or component assembly.

Note:

Reading the plans and thorough examination.

2.2. Structure of the preventive maintenance and thorough inspection plans

Assembly	Component	Measure	Maturity	who
Unit combining components of the same function	Components requiring maintenance	Type of operation to be performed	Interval or event	Operator or Specialist

- **Check**:
  - Visual inspection for leaks or abnormal wear and tear (wear and tear).
- **Testing**:
  - Visual inspection with possible opening of a housing, switch cabinet or similar, using a standard set of tools (general technician’s tools).
- **Cleaning**
- **Replacement**:
  - Preventive replacement of an element when a condition occurs or a deadline is reached.

3. Maintenance plan for Pulse valves (MPP)

measure: weekly

Assembly	Component	Measure	Due date	who
Pulse valve	pulse valve as a whole	Check for leaks	weekly	Operator

measure: 3-monthly

Assembly	Component	Measure	Due date	who
Pulse valve	air and medium connections	Check for leakage and damage	every three months	Operator
Pulse valve	Pulse valve total	Check electrical connections for damage	every three months	Operator
Pulse valve	Pulse valve complete	Cleaning	every three months	Specialist

measure: annually

Assembly	Component	Measure	Due date	who
Pulse valve	Main valve body	Replace wearing parts kit	annually	Specialist
Pulse valve	Sealing screw	Replace wear parts kit	annually	Specialist
Pulse valve	Nozzle / needle	Replace nozzle / needle	annually	Specialist

Walther Systemtechnik GmbH
Hockenheimer Straße 3
D-76726 Germersheim
Germany
Phone: +49 (0)7274-7022-0
Fax: +49 (0)7274-7022-91
E-Mail: info@walther-systemtechnik.com
Web: www.walther-systemtechnik.com

Build: 03.09.2025 / 60