



| Activity | Quantity | Part number |
|---|----------|-------------|
| Visual inspection concerning damages | | |
| Visual inspection of door and interior seal, exchange if necessary | | |
| Check door lock, handle bars and falling latches, exchange if necessary | | |
| Adjustment of exterior and inner glass door | | |
| Functional test of air flap, if necessary clean exhaust pipe / flap | | |
| If existing: test of interior fan | | |
| If existing: check supply air filter, clean or replace it if necessary | | |
| Functional test of cabinet rollers and brakes, replace if necessary | | |
| 400V devices: replace contactor K1 (every 2 years) | 1 | E03649 |
| 400V devices: replace main switch (every 2 years) | 1 | B29941 |
| Check cooling fan for electronics | | |
| Set time/date | | |
| Functional test with different settings | | |
| Safety test according to DGUV-V3 regulation | | |
| Check / replace safety label | | |
| | | |
| Estimated work time in hours (without repairs / calibration work) | 1 | |



| Activity | Quantity | Part number |
|---|----------|-------------|
| Visual inspection concerning damages | | |
| Visual inspection of door and interior seals, exchange if necessary | | |
| Check door lock, handle bars and falling latches, exchange if necessary | | |
| Adjustment of exterior and inner glass door | | |
| Renew sterile filter (4 pieces, 5 pieces if 2 gas connections) | 4 (5) | E03401 |
| Renew water filter (active humidity only) | 2 | E07324 |
| If existing: renew HEPA filter inside (after sterilization) | 1 | B38739 |
| Examine steam generator regarding calcification, clean or replace it if necessary | 1 | B35344 |
| Check current consumption of steam generator | | |
| Renew humidity regulation pump (every 2 years) | 1 | E07336 |
| Check condensation trap | | |
| Renew membrane pump (every 3 years) | 1 | E07290 |
| Renew humidity sensor (every 5 years) | 1 | E05249 |
| Check cooling fan for electronics | | |
| Set time/date | | |
| Functional test with different settings (heat/humidification/CO2) | | |
| Safety test according to DGUV-V3 regulation | | |
| Check / replace safety label | | |
| | | |
| Estimated work time in hours (without repairs / calibration work) | 3 | |



| Activity | Quantity | Part number |
|---|----------|-------------|
| Visual inspection concerning damages | | |
| Visual inspection of door and interior seals, exchange if necessary | | |
| Check door lock, handle bars and falling latches, exchange if necessary | | |
| Adjustment of exterior and inner glass door | | |
| Functional test of interior fan | | |
| Check and clean condensate tube (if necessary blow trough with air) | | |
| Empty and clean drain pan | | |
| Check condensate drain nipples whether bonded or clogged | | |
| Functional test of cooling unit | | |
| Clean condenser and condenser fan | | |
| Check insulation of refrigeration lines concerning cracks/leaks, seal damaged areas with insulation tape if necessary | | |
| If existing: functional test of light, if necessary replace light bulb | | |
| Mount all covers | | |
| Set time/date | | |
| Functional test with different settings (heating/cooling) | | |
| Safety test according to DGUV-V3 regulation | | |
| Check / replace safety label | | |
| | | |
| Estimated work time in hours (without repairs / calibration work) | 2 | |

PMI at ICH (since 2012)



| Activity | Quantity | Part number |
|---|----------|-------------|
| Visual inspection concerning damages | | |
| Visual inspection of door and interior seals, exchange if necessary | | |
| Check door lock, handle bars and falling latches, exchange if necessary | | |
| Adjustment of exterior and inner glass door | | |
| Dismount top and back cover | | |
| Check switching power supplies | | |
| Examine steam generator regarding calcification, clean or replace it if necessary | | |
| Check current consumption of steam generator | | |
| Renew hose pump (every 3 years) | 1 | B38894 |
| Renew humidity sensor (every 5 years) | 1 | E07361 |
| If necessary renew cable for humidity sensor | 1 | E07363 |
| Cleaning of peltier heating sinks and fans | | |
| Functional test of chamber fans | | |
| Check and clean condensate tube (if necessary blow trough with air) | | |
| Empty and clean drain pan | | |
| Check condensate drain nippels whether bonded or clogged | | |
| Functional test of cooling unit | | |
| Clean condenser and condenser fan | | |
| Check insulation of refrigeration lines concerning cracks/leaks, seal damaged areas with insulation tape if necessary | | |
| If existing: functional test of light, if necessary replace light bulb | | |
| If existing: check fresh air filter of the light box and exchange it if necessary | | |
| Mount all covers | | |
| Set time/date | | |
| Functional test with different settings (heating/cooling) | | |
| Safety test according to DGUV-V3 regulation | | |
| Check / replace safety label | | |
| | | |
| Estimated work time in hours (without repairs / calibration work) | 4 | |

PMI at ICH-C (since 2012)



| Activity | Quantity | Part number |
|---|----------|-------------|
| Visual inspection concerning damages | | |
| Visual inspection of door and interior seal, exchange if necessary | | |
| Check door lock, handle bars and falling latches, exchange if necessary | | |
| Adjustment of exterior and inner glass door | | |
| Dismount top and back cover | | |
| Check switching power supplies | | |
| Examine steam generator regarding calcification, clean or replace it if necessary | | |
| Check current consumption of steam generator | | |
| Renew hose pump (every 3 years) | 1 | B38894 |
| Renew humidity sensor (every 5 years) | 1 | E07361 |
| if necessary renew cable for humidity sensor | 1 | E07363 |
| Cleaning of peltier heating sinks and fan | | |
| Functional test of chamber fans | | |
| Check and clean condensate tube (if necessary blow trough with air) | | |
| Empty and clean drain pan | | |
| Check condensate drain nippels whether bonded or clogged | | |
| Functional test of cooling unit | | |
| Clean condenser and condenser fan | | |
| Check insulation of refrigeration lines concerning cracks/leaks, seal damaged areas with insulation tape if necessary | | |
| If existing: functional test of light, if necessary replace light bulb | | |
| Renew sterile filter | 4 | E03401 |
| Mount all covers | | |
| Set time/date | | |
| Functional test with different settings (heating, cooling, etc.) | | |
| Safety test according to DGUV-V3 regulation | | |
| Check / replace safety label | | |
| | | |
| Estimated work time in hours (without repairs / calibration work) | 4 | |

PMI at IPP IPS (since 2012)



| Activity | Quantity | Part number |
|---|----------|-------------|
| Visual inspection concerning damages | | |
| Visual inspection of door and interior seals, exchange if necessary | | |
| Check door lock, handle bars and falling latches, exchange if necessary | | |
| Adjustment of exterior and inner glass door | | |
| Dismount top cover | | |
| Dismount back and peltier cover | | |
| Check switching power supplies | | |
| Functional test of outer peltier fans | | |
| Cleaning of peltier heating sinks and fan | | |
| Dismount peltier cover inside the chamber | | |
| Fuctional test of inner peltier fans | | |
| Cleaning of peltier heating sinks and fan | | |
| Check and clean condensate tube (if necessary blow trough with air) | | |
| Empty and clean drain pan | | |
| Check condensate drain nippels whether bonded or clogged | | |
| Mount all covers | | |
| Check cooling fan for electronics | | |
| Set time/date | | |
| Functional test with different settings (heating / cooling) | | |
| Safety test according to DGUV-V3 regulation | | |
| Check / replace safety label | | |
| | | |
| Estimated work time in hours (without repairs / calibration work) | 2 | |

PMI at HPP (since 2012)



| Activity | Quantity | Part number |
|--|----------|-------------|
| Visual inspection concerning damages | | |
| Visual inspection of door and interior seals, exchange if necessary | | |
| Check door lock, handle bars and falling latches, exchange if necessary | | |
| Adjustment of exterior and inner glass door | | |
| Dismount top cover | | |
| Dismount back and peltier cover | | |
| Check switching power supplies | | |
| Functional test of outer peltier fans | | |
| Cleaning of peltier heating sinks and fan | | |
| Empty and clean drain pan | | |
| Check condensate drain nippels whether bonded or clogged | | |
| Dismount peltier cover inside the chamber | | |
| Fuctional test of inner peltier fans | | |
| Cleaning of peltier heating sinks and fan | | |
| Check and clean condensate tube (if necessary blow trough with air) | | |
| Functional test of door frame heater (adjust set point > 30°C, relais of door frame heater should switch, door is getting warm) | | |
| Examine steam generator regarding calcification, clean or replace it if necessary | | |
| Check current consumption of steam generator | | |
| Renew hose pump (every 3 years) | 1 | B38894 |
| Renew humidity sensor (every 5 years) | 1 | E07361 |
| if necessary renew cable for humidity sensor | 1 | E07363 |
| Mount all covers | | |
| Check cooling fan for electronics | | |
| Set time/date | | |
| Functional test with different settings (heating / cooling / humidification / dehumidificaton) | | |
| Safety test according to DGUV-V3 regulation | | |
| Check / replace safety label | | |
| Estimated work time in hours (without repairs / calibration work) | 3 | |

PMI HCP (since 2018)



| Activity | Quantity | Part number |
|---|----------|-------------|
| Visual inspection concerning damages | | |
| Visual inspection of door and interior seals, exchange if necessary | | |
| Check door lock, handle bars and falling latches, exchange if necessary | | |
| Adjustment of exterior and inner glass door | | |
| Measure door heating voltage (max. 24V) | | |
| Dismount top and back cover | | |
| Examine steam generator regarding calcification, clean or replace it if necessary | | |
| Check current consumption of steam generator | | |
| Renew sterile filter | 2 | E03401 |
| Renew humidity regulation pump (every 2 years) | 1 | E07336 |
| Renew membrane pump (every 3 years) | 1 | E07290 |
| Renew humidity sensor (every 5 years) | 1 | E05249 |
| Mount all covers | | |
| Check cooling fan for electronics | | |
| Set time/date | | |
| Functional test with different settings (heating / cooling / humidification) | | |
| Safety test according to DGUV-V3 regulation | | |
| Check / replace safety label | | |
| | | |
| Estimated work time in hours (without repairs / calibration work) | 3 | |

PMI at VO (since 2018)



| Activity | Quantity | Part number |
|---|----------|-------------|
| Visual inspection concerning damages | | |
| Check door lock, locking rods, and locking plates, adjust or replace if necessary | | |
| Visual inspection of door seal | | |
| Renew door seal (every year) | | |
| VO 29 | 1 | E04670 |
| VO 49 | 1 | E04671 |
| VO 101 | 1 | E04672 |
| Clean glass window and make sure that it can be easily moved | | |
| Check flange sockets in the rear of the chamber, replace if necessary | | |
| Check thermoshelves and contacts regarding damages, replace if necessary | | |
| Thermoshelves: examine resistance of PT-100 sensor and heating elements | | |
| Functional test with different settings | | |
| Vacuum pump test: set LOW at the controller, if vacuum cannot reach less than 100mbar, open pump heads and renew diaphragms and valve plates regarding damages / abrasion | | |
| Pressure test: set vacuum to 50mbar, leaking rate < 10mbar/h | | |
| Check cooling fan for electronics | | |
| Set time/date | | |
| Safety test according to DGUV-V3 regulation | | |
| Check / replace safety label | | |
| | | |
| Estimated work time in hours (without repairs / calibration work) | 2 | |