



MAXIMUM  
MACHINE AVAILABILITY!



PFANNENBERG COOLING SERVICE  
FOR CHILLERS AND ELECTRICAL  
ENCLOSURES COOLING UNITS

THE  
TARGET  
IS CLEAR:

NO  
DOWN-  
TIME.



Pfannenberg provides full service for chillers and cooling units for electrical enclosures from all manufacturers – with more knowledge and quicker action – selected carefully and ordered easily. To attractive conditions!

Chillers and also cooling units in industrial applications have to perform and endure more. Qualified service protects your cooling system against installation and setting up errors, thus preventing considerable follow-up costs that may be incurred.

Pfannenberg Service does much more than deliver spare parts and carry out specialist repairs: comprehensively and extremely reliably. It's therefore better to use the knowledge and experience of the company which understands the topic the best: Pfannenberg.



## 1. COMMISSIONING – You can recognize the specialist from the beginning.

### Proposition

- Informing the customer about important functions
- Checking the existing pipe-line systems
- Connecting to the supply network professionally
- Filling and initial setting up of the system
- Compiling an acceptance protocol

### Benefit

- Error-free operation from the start
- Preventing installation errors
- Preventing dry start-up of the pump (chillers)
- Documented compliance with warranty conditions
- Avoiding invalidity of warranty
- Verification of the dimensioning parameters





## 2. MAINTENANCE – The most expensive machine is one that is idle.

### Proposition

- Checking the essential aggregate functions
- Carrying out necessary cleaning and readjustments
- Advising on maintenance intervals and potential for optimization
- Maintenance protocol and informing about parts that may be needed in the future
- Warranty extension (in connection with a maintenance contract)

### Benefit

- The required wear and tear stores and the optimal function of the aggregate remain
- Avoiding unplanned system downtimes and expensive production failures
- The energy costs remain low



## 3. SPARE PARTS KITS – Better to have them – the correct ones.

### Proposition

Electro-kit:

- fans
- electrical components
- pump gasket kit (chillers)

Cooling-kit:

- compressor
- expansion valve
- pressure switch

### Benefit

- In the event of a fault, immediate availability of the most frequently required spare parts
- Downtime is reduced to a minimum or longer downtimes are prevented
- The electro package can be installed by instructed industrial electricians



## 4. LEAKAGE TEST – By a professional – with a professional measurement device.

Pfannenberg's service technicians are certified for this work according to category I article 5 (EG) no. 842/2008, (EG) no. 303/2008 §5 of the chemical climate protection directive

### Proposition

- Checking for possible damages caused by vibrations, corrosion or fatigue due to fatigue caused by aging
- Checking the cooling circuit, also for small, invisible leaks by means of mobile gas detectors on location and recording in the plant log
- Taking legal regulations into consideration: every 12 months from 3 kg refrigerant content, required according to EG directive 303/2008

### Benefit

- Prevention of machine failure resulting from loss of refrigerant
- Compliance with legal regulations
- Can be perfectly combined with device maintenance
- Secured availability of systems

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