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		Annexes: - (part of the present directive)

Heat alert regulations

Objective:

Preserving the health of our employees through organizational measures taken in order to decrease the adverse effects of the climate environment.

Scope of validity:

That area of the confined, physical workplaces which belong to the production halls of **Schaeffler Savaria Kft.** where there is no air conditioning.

The own employees, as well as the temporary/leased workplace who do physical labour in the production halls of **Schaeffler Savaria Kft.**

The entry into force and the amendment of the present policy shall fall within the scope of power of the Managing Director. The policy shall be valid until withdrawal.

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	AG	Branding review + points 4 and 5	13.05.2019.	Krisztián Drienyovszki	István Tamás	András Gazdag

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1. Objective
 Preserving the health of our employees through organizational measures taken in order to decrease the adverse effects of the climate environment.

2. Scope of validity
 That area of the confined, physical workplaces which belong to the production halls of Schaeffler Savaria Kft. where there is no air conditioning.

The own employees, as well as the temporary/leased workplace who do physical labour in the production halls of Schaeffler Savaria Kft.

The entry into force and the amendment of the present policy shall fall within the scope of power of the Managing Director. The policy shall be valid until withdrawal.

3. Definitions

Air temperature
 The temperature of the air measured by thermometer shaded from air radiant heat and affixed with dry sensor (t_{sz}).

Wet-bulb temperature
 The steady temperature which may be measured on the thermometer affixed with wet-bulb sensor, after the balance of heat and moisture exchange had settled (t_n).

Globe temperature
 Temperature measured with Vernon globe thermometer or with any other type of globe thermometer which had been calibrated with Vernon instrument in advance and which senses radiant heat as well (t_g).

Effective temperature
 The complex indicator (climate index) of the workplace air environment, which takes into consideration the temperature of the given workplace, the relative humidity of the air, and air speed (EH).

Corrective effective temperature
 The complex indicator (climate index) of the workplace air environment, which takes into consideration the temperature of the given workplace, the relative humidity of the air, air speed and the radiant heat as well (KEH). It shall be taken into consideration if there is significant radiant heat (the globe temperature exceeds the dry temperature by at least 5 °C).

The relative humidity of the air
 The quotient of the partial pressure of the water vapour present in the air of given temperature, and the partial pressure of the water vapour present in the saturated air of the same temperature (φ).

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Air speed

The flowing speed of the air in a confined space (v).

4. Description

4.1. Legislative background

If the effective or the corrected effective temperature measured in accordance with the provisions of Chart 1 of Schedule 2 and Subsection (8) Section 7 of Ministry of Social and Family Affairs - Ministry of Health Joint Decree No. 3/2002 (II.8.), in warm season, at workplaces located in confined spaces exceeds the (K)EH (corrected) effective temperature of 24 °C, then five minutes of resting time shall be provided every hour.

Drinking water with the temperature between 14-16 °C shall be provided in order to replenish the loss of liquids under Subsection (10) Section 7.

The present instruction shall be applied together with the following regulations:

- Act XCIII of 1993 on Work Safety
- The Work Safety Policy of **Schaeffler** Savaria Kft. (Work Safety Policy)

4.2. Measuring the effective and corrected effective temperature

Based on the order placed by **Schaeffler** Savaria Kft., the accredited partner assigned with the measuring had completed the instrument-aided examination of the air conditions in the working spaces.

Based on the measurement results (considering that the radiant heat and air speed figures in the plant circumstances will not change in the near future), **the heat alert shall be ordered in case the temperature figure – measured with dry thermometer – exceeds 29.3 °C. The heat alert shall be valid for the entire hall in all cases.**

4.3. Measuring process, measuring points

The measuring completed by the accredited partner had been carried out under normal operating circumstances, while the local ventilators set up at the workplaces were operated (and with ventilation), therefore the measurements of the security service shall be carried out while the ventilators are working (and ventilation).

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Measuring points: the hottest points designated in each production hall (based on the measurement results of the accredited measuring institution), 4 points in total:

- Production hall 1: EK6 assembly workplace; identification number (84960)544
- Production hall 2: **Nabe Nr. 846 Machine**
- Production hall 3.A: 2-es HSI tempering furnace, application side, spring bending work station
- Production hall 3.B: FS 836 tunnel furnace, removal side (12180321)

Measuring interval: from 15th May until 15th September of the current year, however, in case of extraordinary weather conditions (extreme heat), the measuring interval may be extended.

Measuring time: repeated hourly from 9.30 AM, until the measurement result sinks below the threshold. In case of extreme summer heat, the measuring interval may be extended.

The Heat Alert is usually announced in the morning or before noon, at any full hour. **So in each shift forms the third-quarter divisions the basis of the heat intervals. That means, that the 1 hour intervals lasts from third-quarter to third-quarter, for example. 10:45-11:45.**

The heat alert shall be given every hour, calculating with 60-minute intervals.

Exception to the above is the hour of the 20-minute dining break (then there is no separate heat break), as well as the shift change hour of the shift ending its shift (there is no separate heat break then either).

The heat alert “computation of time” of the shift starting its shift – usually the afternoon or possibly the night shift – shall start from the start of the shift (from 13.45 and from 21.45) with 60-minute intervals.

Where an automatic measuring instrument is installed, the measured datas flows trough a digital system.

The Security Service shall record the measuring results in the log designated for the purpose of measurements **or in the digital system**, and the Security Service shall have it countersigned by any worker or other **Schaeffler** employee present on the scene as witness **by the manual measures**.

4.4. Ordering the heat alert

If the dry temperature exceeds the figure specified, then the Security service shall notify the work safety group.

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- the heat alert shall be ordered immediately, **at the next third-quarter o'clock** of the measuring at the latest
- the departments shall be notified through the **S-connect**
- the departments may decide on the manner of allocating the heat break (in groups or individually)
- after 16.30, the Security service shall notify the workplace managers via Intranet message
- the workplace managers may request information on the measuring results via telephone
- the information originating from the reception and related to the heat alert shall be transferred exclusively between the Security service and the workplace managers, while the workers affected by the heat alert may get information through the workplace managers

If a heat alert is ordered, then 5 minutes of break time shall be provided every hour, while drinking water with the temperature between 14-16 °C shall be provided.

During the break-time of the heat alert, it is recommended to stay away from direct sunlight, away from string heat strain, and in shaded areas, if possible. It is recommended to spend the break-time with refreshing wash-up and liquids replenishments.

There is no separate (5-minute) heat break during the hours with dining break.

There is no separate heat break during the hour of the shift change of the shift finishing its shift either.

4.5. Withdrawal of the heat alert

If the dry temperature drops below the figure specified, then the Security service shall **revoke the heat alert on S-connect**.

the heat alert shall be withdrawn immediately, **at the next third-quarter o'clock** of the measuring at the latest

- the departments shall be notified through the Intranet
- after 16.30, the Security service shall notify the workplace managers via Intranet message
- the workplace managers may request information on the measuring results via telephone
- the information originating from the reception and related to the heat alert shall be transferred exclusively between the Security service and the workplace managers, while the workers affected by the heat alert may get information through the workplace managers
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5. Process and responsibilities

Ordering and revoke the heat alert shall be the task of the security service.

6. Information and notes

Documents to be retained: Measurement logs of the Security service and the digital database

6.1. Related documents

The air conditioning measurement report prepared by the accredited lab.

Work Safety Policy

6.2. Bibliography

Ministry of Social and Family Affairs - Ministry of Health Joint Decree No. 3/2002 (II.8.).