

## EGOLF POSITION PAPER 009-2019

Subject of Position Paper (max. 60 characters)	<b>Number of furnace plate thermocouples</b>
Related test standard	EN 1366-2
Date of issue	2019-07-01
Reference original query	EGOLF Fire damper workshop (12-13.06.2018)
Previous publication number (if applicable)	TC2 N879
EGP for attention of (please state CEN TC/WG/TG)	CEN TC 127 / WG2
Keywords (max. 20)	furnace, thermocouple, fire damper

### Problem

The number of plate thermocouples in the furnace and their location is not clearly determined in the test standard, EN 1366-2. As the drawings show side view of the test specimens, front view drawings are missing.

### Proposal

Number of furnace plate thermocouples – one fire damper to be tested



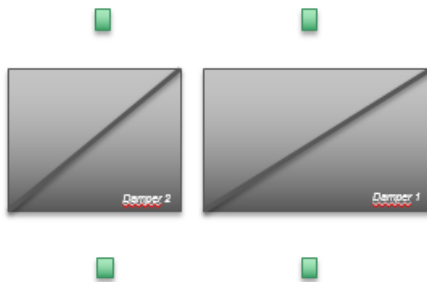
Front view  
(green: TC, grey: damper)

The minimum is two.

They shall be placed as it is described in EN 1366-2.

One more extra thermocouple is suggested (if malfunction of one of the two happens). This extra thermocouple may be placed on the side of the test specimen.

Number of furnace plate thermocouples – two fire dampers to be tested



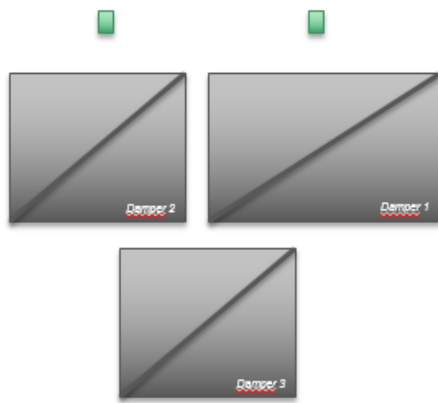
Front view  
(green: TC, grey: damper)

The minimum is four.

They shall be placed as described in EN 1366-2.

One more extra thermocouple is suggested (if malfunction of one of the four happens). This extra thermocouple may be placed on the side of the test specimen.

Number of furnace plate thermocouples – three fire dampers to be tested



Front view  
(green: TC, grey: damper)

The minimum is three.

They shall be placed as described in EN 1366-2.

One more extra thermocouple is suggested (if malfunction of one of the three happens). This extra thermocouple may be placed on the side of the test specimen.

If the vertical distance between two dampers is  $\geq 200$  mm, place at least one TC between them.

This solution shall be properly adapted from situation to situation.