



## Appliances properties: Spartherm Feuerungstechnik GmbH - Varia FDh H2O 21,0kW

### Master data

|                                            |                                            |
|--------------------------------------------|--------------------------------------------|
| Date of entry                              | Aug 13, 2015                               |
| Manufacturer                               | Spartherm Feuerungstechnik GmbH            |
| Model                                      | Varia FDh H2O 21,0kW                       |
| Nominal heat output [kW]                   | 21                                         |
| Declared nominal space heating output [kW] | 7                                          |
| Nominal water heating output [kW]          | 13.2                                       |
| Water operating pressure [bar]             | 3                                          |
| Continuous burning appliance               | —                                          |
| Type test standard                         | DIN EN 13229                               |
| Year of testing                            | 2015                                       |
| Test laboratory                            | RRF Rhein-Ruhr-Feuerstättenprüfstelle GmbH |
| Number of test laboratory                  | 2                                          |
| Number of test report                      | RRF - 29 15 3928                           |

### Flue gas values

|                             | Wood |
|-----------------------------|------|
| Flue gas mass flow [g/s]    | 17   |
| Flue gas mass flow [g/s]    | 226  |
| Necessary flue draught [Pa] | 13   |

### Further important characteristics of the appliance

Suitability for installation to a shared flue<sup>1)</sup>



Connectivity to the central heating system



General technical approval for room sealed operation





<sup>1)</sup> For unsealed operation it is possible to install the appliances to a shared flue system (please see installation manual).

On behalf of the manufacturer, the HKI Industrieverband e.V. hereby confirms compliance with the respective requirements\* in accordance with 1.BImSchV. The type test report of the fireplace has been submitted to the HKI Industrieverband e.V.

\* A green check mark with a „1“ indicates that the requirements of the 1st BImSchV are fulfilled, a green check mark with a „2“ indicates that the 2nd level of the 1st BImSchV is fulfilled. A yellow check mark shows that the transitional regulation of the 1st BImSchV is fulfilled and a red line means that the 1st BImSchV is not fulfilled.

## Evaluation of emission data and efficiency Wood

| Norm : Inset appliances (with closed firedoor)   | Evaluation                                                                                     |
|--------------------------------------------------|------------------------------------------------------------------------------------------------|
| D - 1.BImSchV                                    | <br>Stufe 2 |
| A - Austrian regulation referred to Art 15a B-VG | <br>2015    |
| CH - Swiss clean air act                         |             |
| F - Crédit d'impôt à la transition énergétique   | <br>7★      |

## Evaluation of emission data and efficiency Lignite briquettes

| Norm : Inset appliances (with closed firedoor) | Evaluation |
|------------------------------------------------|------------|
| D - 1.BImSchV                                  | !          |

-   
Stufe 2 Compliant with the requirements of the 2nd stage of the 1.BImSchV (only for Germany)
-   
Stufe 1 Compliant with the requirements of the 1st stage of the 1.BImSchV (only for Germany)
-   
2015 Compliant with the requirements of the Austrian Agreement pursuant to Art. 15a B-VG from 2015 (applies only to Austria)
-   
7★ Compliant with the requirements for the „Crédit d'impôt“ promotion in France, the fireplace complies with the classification 7\* of the Flamme Verte Label
-   
6★ Compliant with the requirements for the „Crédit d'impôt“ promotion in France, the fireplace complies with the classification 6\* of the Flamme Verte Label
-   
5★ Compliant with the requirements for the „Crédit d'impôt“ promotion in France, the fireplace complies with the classification 5\* of the Flamme Verte Label
-   
★ Compliant with the requirements of the 1 star stage in Italy.
-   
★★ Compliant with the requirements of the 2 star stage in Italy.
-   
★★★ Compliant with the requirements of the 3 star stage in Italy.
-   
★★★★ Compliant with the requirements of the 4 star stage in Italy.
-   
★★★★★ Compliant with the requirements of the 5 star stage in Italy.
-  Fulfils the requirements
-  Complies with requirements of the transition ruling (1.BImSchV)
-  Requirements are not fulfilled
-  No information/unknown
-  No measuring values are available for this fuel, operation with this fuel is not permitted

No symbol means that there are no requirements.

Here you will find further information