

## TEST CERTIFICATE

No.: O-210500167/1/2021

**Product:** fireplace inserts UNICO Dragon 2 ÷ 9

**Type:** Dragon 2, Dragon 2B, Dragon 2 Duo, Dragon 2XL, Dragon 2B XL, Dragon 4/14, Dragon 4/14 XL, Dragon 4/16, Dragon 4/16 XL, Dragon 4B, Dragon 4B/XL, Dragon 4 Duo, Dragon 4B Slim, Dragon 4B XL Slim, Dragon 6, Dragon 6 XL, Dragon 6 XXL, Dragon 6 XXL Duo, Dragon 9, Dragon 9 Duo

**Manufacturer:** UNIROL sp. z o.o. , Ul. Wroclawska 2a, 58-211 Uciechów, Poland

### Test results:

**Fuel:** wood logs – A

**Stoking:** manual

- EN 13229:2001/A1:2003/A2:2004

		DRAGON 2B	DRAGON 4/16
Heat output	kW	13,09	15,55
CO (13 % O <sub>2</sub> )	%	0,046	0,044
CO (13 % O <sub>2</sub> )	mg/m <sup>3</sup>	570	547
OGC (13 % O <sub>2</sub> )	mg/m <sup>3</sup>	37	26
NOx (13 % O <sub>2</sub> )	mg/m <sup>3</sup>	52	43
Dust (13 % O <sub>2</sub> )	mg/m <sup>3</sup>	38	36
Efficiency	%	77,29	78,61

- Commission Regulation (EU) 2015/1185 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for solid fuel local space heaters

### Seasonal emissions


		DRAGON 2B	DRAGON 4/16	Requirements of ecodesign
CO (13 % O <sub>2</sub> )	mg/m <sup>3</sup>	570	547	≤ 1500
OGC (13 % O <sub>2</sub> )	mg/m <sup>3</sup>	37	26	≤ 120
NOx (13 % O <sub>2</sub> )	mg/m <sup>3</sup>	52	43	≤ 200
Dust (13 % O <sub>2</sub> )	mg/m <sup>3</sup>	38	36	≤ 40
Seasonal space heating energy efficiency	%	67,29	68,61	≥ 65

- 1. BlmSchV Stufe 2 (Bundes Immisions Schutz Verordnung)

		DRAGON 2B	DRAGON 4/16	Requirements of Stufe 2 of 1.BlmSchV
CO (13 % O <sub>2</sub> )	mg/m <sub>n</sub> <sup>3</sup>	570	547	≤ 1250
Dust (13 % O <sub>2</sub> )	mg/m <sub>n</sub> <sup>3</sup>	38	36	≤ 40
Efficiency	%	77,29	78,61	≥ 75%

*Test certificate is issued on the base of type test of product. The test results are listed in the test report No.173000004/314/1 from 28<sup>th</sup> October 2017, issued by TSÚ Piešťany, š.p., Slovak Republic – accreditation certificate S-047 from 15<sup>th</sup> June 2020 .*

Date of issuing: 21<sup>st</sup> June 2021

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**Ing. Marcel Svoboda**  
Technical Head of Laboratory TZBaS

**Distribution list:**

1 – Applicant

2- TSU Piešťany š.p.