



Strojírenský zkušební ústav, s.p.
(Engineering Test Institute, Public Enterprise)
Technical Inspection, Accredited Inspection Body 4008



Ref. No.: 873/13/0341/6.3/3

Engineering Center Promgasapparat
Starokijevskaja 10
04655 Kijev, Ukraine

INSPECTION CERTIFICATE

Ref. No.: **I-63-0377/13/TC/T**

issued pursuant to Section 10 (1) (b) of Act 22/1997 Coll., on technical requirements for products and on the amendment to certain Acts, as amended, and based on the Order of 12 April 2013 and Inspection Report 63-9559 of 12 June 2013 on the result of assessment of conformity of technological unit – machinery performed to the extent of the requirements specified in Annex 1 to Government Regulation 176/2008 Coll. (corresponds to Directive 2006/42/EC), in Annex 2 to Government Regulation 17/2003 Coll. (corresponds to Directive 2006/95/EC) and in Annex 1 to Government Regulation 616/2006 Coll. (corresponds to 2004/108/EC), and evaluated by the method in accordance with the requirements of Article 2.4 ČSN EN ISO/IEC 17000 and of Internal Guideline 05 for:

- Technical documentation
- Technical design

of technical equipment: Technological unit - Machinery

Name: **Direct air heater**
Type: **KRON**
Versions: **see Annex I-63-0377/13/TC/T/1**

The basic technical specifications of the assessed technological unit – machinery, are provided
in Annex **I-63-0377/13/TC/T/1** of 12 June 2013.

Customer: **Bulk System Technology s.r.o., Bystřická 38, 751 14 Dřevohostice, Czech Republic, Company ID No.:28586689**

Manufacturer: **Engineering Center Promgasapparat, Starokijevskaja 10, 04655 Kijev, Ukraine**


Based on the Inspection Finding of the said Inspection Report, **it is hereby certified that the demonstrated sample of the technological unit – machinery has been found conforming** to the specified applicable safety requirements for technical equipment. This Inspection Certificate has been issued as the basis for issuance of declaration of conformity by the Manufacturer of the equipment.

An integral part of the Inspection Certificate is Annex I-63-0377/13/TC/T/1 of 12 June 2013, which lays down the conditions for the Certificate's validity. The scope of the assessed technical documentation is included in Inspection Report 63-9559 of 12 June 2013.

This Inspection Certificate is not transferable!

In Brno, on 12 June 2013




Ing. Jaroslav Šrámek
Director for Inspection Activity

Inspection Certificate comprises one page
+ Annex (two pages)

Annex I-63-0377/13/TC/T/1

1. The technological unit – machinery has been assessed based on the Order of 12 April 2013, further specified by Contract for activities within the process of conformity assessment number I-46339/63 of 23 April 2013.
2. Date and number of the Inspection Report on the course and results of conformity assessment:
No. 63-9559 of 12 June 2013.
3. Date of physical inspection of the assessed technological unit - machinery:
28 April 2013.
4. The list of documentation and source materials made use of for the assessment of conformity is included in Inspection Report:
No. 63-9559 of 12 June 2013
5. Scope of the assessed technological unit - machinery:

Name: **Direct air heater**

Type: **KRON**

Versions:

KRON-0.12 TURBO**	KRON-0.315 TURBO**	KRON-0.4 TURBO**
KRON-0.63 TURBO**	KRON-0.8 TURBO**	KRON-1.0 TURBO**
KRON-1.6 TURBO**	KRON-2.0 TURBO**	KRON-2.5 TURBO**
KRON-3.15 TURBO**	KRON-4.0TURBO**	KRON-5.0 TURBO**
KRON-6.3 TURBO**	KRON-8.0 TURBO**	KRON-10.0 TURBO**
KRON-12.5 TURBO**	KRON-16 TURBO**	KRON-20 TURBO**
KRON-25 TURBO**		

** - Maximum temperature of medium - C° (not indicated, unless the temperature exceeds 200 C°)

Basic technical data of versions:

- Supply voltage: 400/230 V AC, 50 Hz
- Operating voltage: 230 V AC, 50 Hz, 24 V DC
- Ingress protection: IP 54

Type versions	Nominal heat output (MW)	Rated consumption of gas (m³/hour)	Rated consumption of air (m³/hour)	Determined el. output (kW)
KRON-0.12 TURBO**	0.125	12.8	500	3.5
KRON-0.315 TURBO**	0.315	32.5	1150	6.0
KRON-0.4 TURBO**	0.40	42.0	1500	11.0
KRON-0.63 TURBO**	0.63	64.0	2300	14.0
KRON-0.8 TURBO**	0.8	81.5	3000	21.0
KRON-1.0 TURBO**	1.0	102.0	3700	25
KRON-1.6 TURBO**	1.6	163	4300	3.0
KRON-2.0 TURBO**	2.0	205	7000	3.5
KRON-2.5 TURBO**	2.5	255	8800	4.0
KRON-3.15 TURBO**	3.15	321	11300	5.0
KRON-4.0 TURBO**	4.0	410	15000	8.0
KRON-5.0 TURBO**	5.0	525	18800	5.7
KRON-6.3 TURBO**	6.3	650	23800	7.8
KRON-8.0 TURBO**	8.0	840	28000	7.8
KRON-10.0 TURBO**	10.0	1050	35000	12
KRON-12.5 TURBO**	12.5	1300	43800	12
KRON-16 TURBO**	16.0	1680	55000	16
KRON-20 TURBO**	20.0	2100	68800	20
KRON-25 TURBO**	25.0	2650	87500	23

Further data:

Protection against electric current accident
according to ČSN EN 61140 ed.2:

- Basic protection: Insulation, protection, location
- Fault protection: Automatic disconnecting from source, bonding

Protection against static electricity: Bonding, connection to mains network protection system

Spaces as regards electric
current accident: Dangerous

Manufacturer: Engineering Center Promgasapparat, Starokijevskaja 10, 04655 Kijev,
Ukraine

6. Validity conditions:

The Inspection Certificate is valid for the assessed technological unit - machinery specified in Article 5. It is prohibited to change, amend or overwrite the data contained in the Inspection Certificate. The Inspection Certificate may not be used as a certificate for the equipment changed without the consent of the Inspection Body that has issued the Inspection Certificate in a way affecting the conformity with the applicable technical regulations or normative documents. General conditions for validity of the Inspection Certificate are specified in the concluding part of Inspection Report 63-9559 of 12 June 2013.

Inspection Certificate I-63-0377/13/TC/T may only be copied as a whole and including Annex I-63-0377/13/TC/T/1.

Compiled by: Ing. Vladimír Jílek
Ing. Jan Jurczek

Brno, 12 June 2013

