Anexa 15 la Formularul Specificații tehnice

Stingător de foc compatibil IRM 3Tesla

Parametri solicitati	Parametri oferiti, model FE-100 MRI (Troyka Med Inc.,
	Turcia)
Stingător de foc compatibil IRM 3Tesla	Stingător de foc compatibil IRM 3Tesla, model FE-100-
Stingător de foc cu dioxid de carbon testat RM	Stingător de foc cu dioxid de carbon testat MRI
Potrivit pentru focurile din clasa B și C	CO2
Greutatea maximă 7 kg	Greutatea 7 kg
Greutatea netă a agentului 2,5 – 3 kg	Adaptor de umplere – 1buc
Este necesar adaptor de umplere (necompatibil RM) – 1	
buc	Anul producerii minim 2023.
Cerințe:	Termen de garanție nu mai mic de 24 luni din momentul
Anul producerii minim 2023.	instalării.
Termen de garanție nu mai mic de 24 luni din momentul	Instalare, darea in exploatare, instruirea de către
instalării.	participantul câștigător - obligatoriu
Instalare, darea in exploatare, instruirea de către	Documente confirmative:
participantul câștigător - obligatoriu	Prezentarea certificatelor care confirmă compatibilitatea
Documente confirmative:	IRM 3T
Prezentarea certificatelor care confirmă compatibilitatea	Manual de utilizator în limba engleză. Manualul de
IRM 3T	utilizare inlimba Romana se va prezenta la livrare.
Manual de utilizator în limba română și engleză.	

MR Uyumlu Yangın Tüpü

MRI Compatible Fire Extinguisher

- MR odaları için özel olarak non-manyetik malzemelerden tasarlanmıştır.
- Manyetik alandan etkilenmez.
- 5 kg karbondioksit kapasitelidir.
- Yeniden doldurulabilir.
- 3 Tesla'ya kadar MR uyumluluk sertifikasına sahiptir.
- Specifically developed for MRI environments with non-magnetic materials.
- Not affected by magnetic field.
- 5 kg CO2 capacity.
- Refillable.
- MRI compatibility certificate up to 3 Tesla.





To whom it may concern;

We as, Troyka Med Tibbi Sistemler Danışmanlık Sağ. Turz. Elk. A.Ş., located at İOSB Mah, 1371. Sok. No:7/1, 06378 Yenimahalle, Ankara, Turkey hereby declare that

FE-100 MRI Fire Extinguisher

is manufactured and tested to the highest standards and is guaranteed MRI Conditional up to 3 Tesla.

TROYKA MED TIERI SISTEMLER
DAN. SAĞ. TURZ. ELK. A.Ş.
I.O.S.B. Mah. 1311, edital No: 7/1
Yenimahale Ankara 7 ic. Sic. No: 241171
https://ecoi.bairesi: 859 052 1837

Nikolay V. Viskuşenko CEO

Troyka Med Tıbbi Sistemler Danışmanlık Sağ. Turz. Elk. A.Ş.



OPERATORS MANUAL

FE-100 MRI Fire Extinguisher







IOSB Mah. 2284. Cad. No: 48 Yenimahalle Ankara TURKEY **Tel:** +90 3122650096- info@troykamed.com — **www.troykamed.com**MRI Fire Extinguisher Op. Man. Pub. 022018 Pub. No: 0 Rev:0







Introduction

Thank you or purchasing the FE-100 MRI Fire Extinguisher. This product is manufactured and tested to the highest standards and is guaranteed MR Conditional up to 3 Tesla.

To ensure that you obtain maximum benefit from the FE-100 MRI Fire Extinguisher, please take a few minutes to read the enclosed information regarding operation, service and maintenance. After reading this manual, store it in a safe place for future reference.

If you have any problems in the meantime or would like any advice about this or any other MR products from the Troyka Med range, please contact us at the following address

Troyka Med Inc.

Tel: +90 312 2650096

E-mail: info@troykamed.com Website: www.troykamed.com

誉	Protect from direct sunlight	Ť	Protect from rain and humidity	MR	MRI conditional up to 3 Tesla
\bigcap i	Read user manual		Manufacturer	ϵ	ISO 9001







1 Safety Information

1.1 MRI Safety Definition for MRI as Defined by International Standards ASTM F2503-13



MR SAFE

An item that poses no known hazards resulting from exposure to any MR environment MR SAFE items are composed of materials that are electrically nonconductive, non-metallic, and nonmagnetic.



MR CONDITIONAL

An item with demonstrated safety in the MR environment within defined conditions. At a minimum, address the conditions of the static magnetic field, the switched gradient magnetic field and the radiofrequency fields. Additional conditions, including specific conditions of the item, may be required.

Supplementary marking – additional information that, in association with marking as "MR CONDITIONAL" states via additional language the conditions in which an item can be used safely within the MR environment.



MR UNSAFE

An item with poses unacceptable risks to the patient, medical staff or other persons within the MR environment.

1.2 General Safety Information and Intended Use

It is required that as personnel handling the MRI fire extinguisher are familiar with the safety instructions given in the manual and other documentation provided to ensure safe operation of the fire extinguisher and associated equipment.

The system comes with a one-year warranty on all parts and labor, and a shelf life of two years starting from the day of its original installation.

1.3 Health Concerns



Warning!

If any of the components become damaged, notify Troyka Med Inc. customer service for assistance. Use of broken components can cause injury to the clinician or the patient.







1.5 Warnings for MRI



Caution!

In addition, no persons with ferromagnetic prosthetic devices, such as pacemakers or joints replacement, should enter the MRI suite at any time. Extreme, high magnetic fields inside the magnetic room have the potential to dislodge items at high velocities and can result in serious injury, or death.



Caution!

For questions regarding operating procedures or technical support, call Troyka Med service team or contact via email at **info@troykamed.com**.

2 General Information

2.1. Inspection of Delivered Goods

Each of fire extinguisher has been thoroughly tested prior to delivery and is ready for immediate use. Upon receipt, please report any transportation damage or missing accessories immediately. Troyka Med can only accept liability for such damages if it is claimed prior to initial operation. In case of transportation damage, please contact the Troyka Med service department. For faster support please have ready all shipment details and damage description. It is recommended to keep and store the original crate/box used to ship the fire extinguisher for all future transportation needs.

The fire extinguisher is sent empty because of the shipping regulations. You should bring it to the fire extinguisher service where your normal fire extinguishers are filled. The fire extinguisher is CO2 type and it should be filled with CO2.







3 System Overview and Installation Guide

3.1 Parts Included

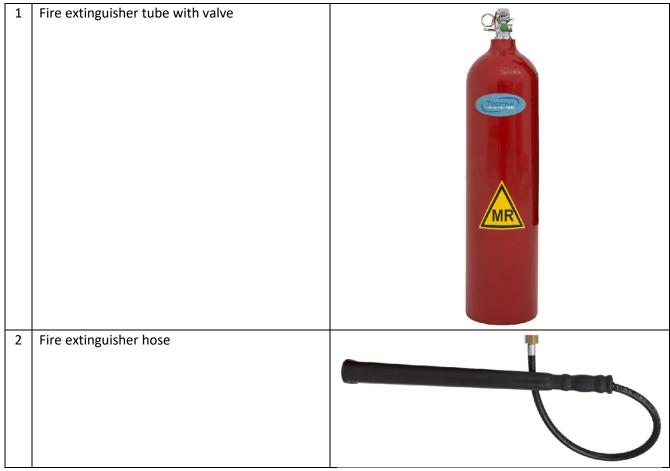


Table 1: MRI Fire Extinguisher list of components

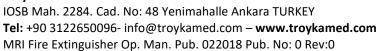
3.2 System Overview

The FE-100 MRI Fire Extinguisher is designed to be MR conditional and is manufactured and tested to the highest standards. The fire extinguisher is designed to be used with all MRI scanners up to 3 Tesla magnetic field strength.

3.3 Technical Specification

Fire Extinguisher	
Material	AA 6061 TL
Manufacturing Process	Cold Backward Extrusion
Water Capacity	Min. 5,0 Lt.
Body OD	140 mm
Total Height	600 mm
Torque	Min. 95 N/m Max. 110 N/m
Test Pressure	300 bar
Working Pressure at 60°C	200 bar
Burst Pressure	over 468 bar
Net Weight	7 kg
Certified according to Pressure Equipment Directive	99/36/EC
Designed in accordance with	EN 1975











3.4 Using Instruction

- 1. The cylinder shall only be filled with compressed gases.
- 2. The cylinder shall be stored as upward position.
- 3. The storage area shall be protected against corrosion.
- 4. The threads shall be protected against any damage.
- 5. The cylinder shall not be over torqued during the assembly of fitting valves.
- 6. The inner and outer surfaces of the cylinders shall be kept away from oil, dust any other contamination.
- 7. During handling, the plastic nets shall not be removed over the cylinders.
- 8. The cylinder shall not be dropped.
- 9. The cylinder shall be carefully handled during the transportation.



