

**NEW**

## ISO 80601-2-13

For more patient safety –  
switch to the new version now!

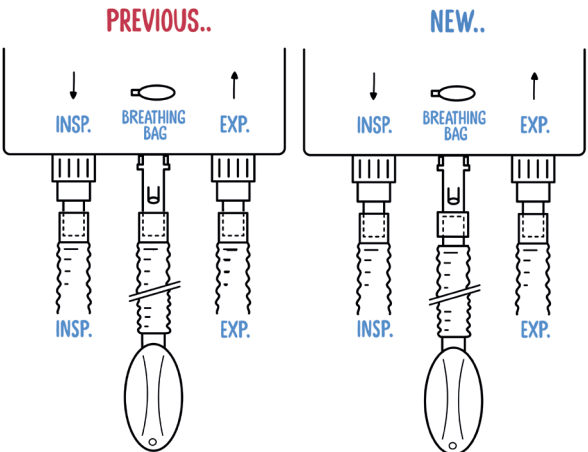
# ISO 80601-2-13

The ISO 80601-2-13 describes the requirements for an anesthesia workstation and is intended to improve patient safety in the operating theatre. Nevertheless, in several cases the breathing circuits were connected incorrectly. This resulted in patients not being ventilated safely and correctly.<sup>1,2,3</sup>

The new version of ISO 80601-2-13 specifies the requirements regarding hose connections and contributes to design safety so that incorrect connection of the hoses is made considerably more difficult.

## Innovations of ISO 80601-2-13:

- Modification of breathing bag port prevents interchanging when connecting
- Breathing circuits can no longer be disconnected e.g. at the Y-piece or at the water trap to prevent short circuiting



<sup>1</sup> Prien T, et al.: Functional check of the anaesthesia work station for enforcement of patient safety – Recommendation of the DGAI's Commission for Standardization and Technical Safety. *Anästhesiologie & Intensivmedizin* 2019; DOI: 10.19224/ai2019.075

<sup>2</sup> Brinker A, et al.: Anästhesie: Zwischenfälle vermeiden. *Dtsch Arztebl* 2019; 116(33-34)

<sup>3</sup> EUPSF (Hrsg.) (2019): Safety-Alert on wrong tube-connections.

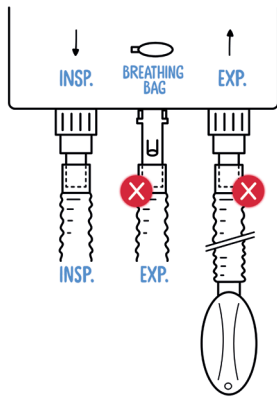
<http://www.eupsf.org/safety-alert-wrong-tube-connections>, last retrieved on March 2021

# Reduce the risk of a faulty breathing circuit connection by switching to the new version of the ISO 80601-2-13 standard now!

Current possible wrong connections of breathing circuits:

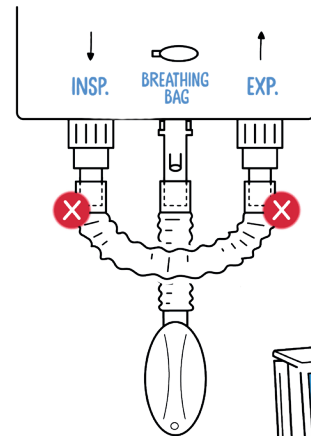
## FAULTY VARIANT 1:

- Breathing bag and expiration hose are interchanged



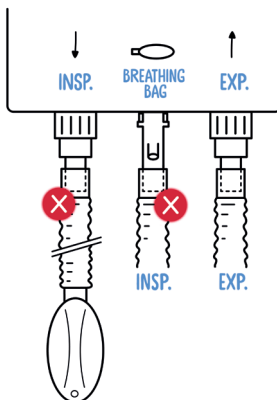
## FAULTY VARIANT 3:

- Short circuit of the inspiratory and expiratory port on the anesthesia machine. No connection between machine and Y-piece

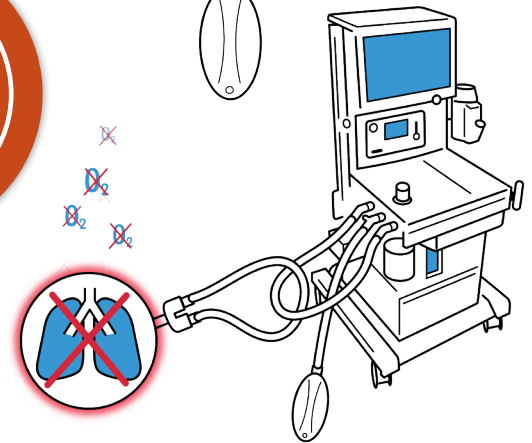


## FAULTY VARIANT 2:

- Breathing bag and inspiration hose are interchanged



Ventilation is not possible in all three faulty variants!



Find out more:



Switch to the new version of the ISO 80601-2-13 standard now and improve patient safety!



Recommendations for action by the professional societies remain valid:

In order to detect faulty combinations of the breathing circuits and several other potential errors BEFORE connecting a patient, various professional societies recommend carrying out simple tests before each patient connection. There are several publications available including the Association of Anaesthetists of Great Britain and Ireland and the European Patient Safety Foundation.<sup>2,3</sup>



Interested? We will be happy to support you in switching to the new version of ISO 80601-2-13.

## **CORPORATE HEADQUARTERS**

Drägerwerk AG & Co. KGaA  
Moislinger Allee 53–55  
23558 Lübeck, Germany

[www.draeger.com](http://www.draeger.com)

## **REGION EUROPE**

Drägerwerk AG & Co. KGaA  
Moislinger Allee 53–55  
23558 Lübeck, Germany  
Tel +49 451 882 0  
Fax +49 451 882 2080  
[info@draeger.com](mailto:info@draeger.com)

## **REGION MIDDLE EAST, AFRICA**

Drägerwerk AG & Co. KGaA  
Branch Office  
P.O. Box 505108  
Dubai, United Arab Emirates  
Tel +971 4 4294 600  
Fax +971 4 4294 699  
[contactuae@draeger.com](mailto:contactuae@draeger.com)

## **REGION ASIA PACIFIC**

Draeger Singapore Pte. Ltd.  
61 Science Park Road  
The Galen #04-01  
Singapore 117525  
Tel +65 6872 9288  
Fax +65 6259 0398  
[asia.pacific@draeger.com](mailto:asia.pacific@draeger.com)

## **REGION NORTH AMERICA**

Draeger, Inc.  
3135 Quarry Road  
Telford, PA 18969, USA  
Tel +1 800 4DRAGER  
(+1 800 437 2437)  
Fax +1 215 723 5935  
[info.usa@draeger.com](mailto:info.usa@draeger.com)

## **REGION CENTRAL AND SOUTH AMERICA**

Dräger Indústria e Comércio Ltda.  
Al. Pucurui - 51 - Tamboré  
06460-100 - Barueri - São Paulo  
Tel. +55 (11) 4689-4900  
[relacionamento@draeger.com](mailto:relacionamento@draeger.com)

Locate your Regional Sales  
Representative at:  
[www.draeger.com/contact](http://www.draeger.com/contact)

