

F29 on Anesthetic and Respiratory Equipment Structure and Work Plan

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SCOPE: The development of terminology, units of measure, identification, dimensions, tolerances, performance, and test methods of anesthetic and respiratory equipment and systems for function and safety.

The work of this Committee will be coordinated with other ASTM Committees and other organizations having mutual interest.

STRUCTURE and WORK PROGRAM

F29.10 on Anesthesia Workstations

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F29.10 Standards and status

Task Group	Standard Designation	Title	Status	ISO Relationship
F29.10.01 Anesthesia Gas Machines (Grabber)				ISO/TC121/SC1
F29.10.02 Breathing Systems/Performance (Grabber)	F1208-89(2005) ISO 5360	Specification for Minimum Performance and Safety Requirements for Anesthesia Breathing Systems Anesthetic Vaporizers – Agent Specific Filling Systems (on MCLB)	Current Adopted with Deviations	ISO/TC121/SC1
F29.10.03 Connectors and Adapters (Grabber)	F1054-01 (Withdrawn) ISO 5359 ISO 5356-1	Specification for Conical Fittings of 15-mm and 22-mm sizes Low-Pressure Hose assemblies for Use with Medical Gases Anaesthetic and Respiratory Equipment- Conical Connectors – Part 1 Cones and Sockets	Withdrawn, replaced with ISO 5356-1 Adopted with Deviations Adopted with Deviations	ISO/TC121/SC1
F29.10.04 Breathing Systems and Anti-Disconnect Fittings (Open)				ISO/TC121/SC1
F29.10.05 Anesthesia Gas Scavenging Systems (AGSS) (Grabber)	F1343-02	Specification for Anesthetic Equipment – Scavenging Systems for Anesthetic Gases	Current	ISO/TC121/SC1
F29.10.06 Lung Ventilators for Use in Anesthesia (Grabber)	F1101-90(2004)	Specification for Ventilators Intended for Use During Anesthesia	Current	ISO/TC121/SC1 ISO/IEC JWG1
F29.10.07 Anesthesia Workstations (Grabber)	F1850-00(2005)	Specification for Particular Requirements for Anesthesia Workstations and Their Components	Current	ISO/TC121/SC 1 IEC/SC62D

F29.11 on Gas Monitors

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F29.11 Standards and status

Task Group	Standard Designation	Title	Status	ISO Relationship
F29.11.01 Capnographs and Anesthetic Agent Analyzers (Goldman)	F1452-01 (Withdrawn)	Specification for Anesthetic Agent Monitors	(Withdrawn) Replaced with ISO 21647	ISO/TC121/SC1/ WG5
	F1456-01 (Withdrawn)	Specification for Capnometers	(Withdrawn) Replaced with ISO 21647	
	ISO 21647	Medical Electrical Equip – Particular Requirements for the Basic Safety and Essential Performance of Respiratory Gas Monitors	Adopted w/ Deviations	
F29.11.02 Nitric Oxide Delivery Devices and Monitors (Goldman)				
F29.11.03 Cutaneous Gas Monitoring (Goldman) (TG has been disbanded)				
F29.11.04 Oxygen Analyzers (Hedley-Whyte)	F1462-93 (Withdrawn)	Specification for Oxygen Analyzers	Withdrawn – Replaced with ISO 7767	ISO/TC121/SC1 WG5
	ISO 7767 (Withdrawn)	Oxygen Monitors for Monitoring Patient Breathing Mixtures-Safety Requirements	Withdrawn, Replaced with ISO 21647	
F29.11.05 Pulse Oximeters (Weitzner)	F1415-92(2000) (Withdrawn)	Specification for Pulse Oximeters	Withdrawn, Replaced with ISO 9919	ISO/TC121/SC3 WG4
	ISO 9919	Medical Electrical Equipment – Part Requirements for Pulse Oximeters Equipment	Adopted w/ Deviations	

F29.12 on Airways, Bronchoscopes and Laryngoscopes

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