

Technical specifications

Flow sensor, proximal

For Hamilton Medical ventilators

PN 281637 188 cm – 10/box
 PN 282049 260 cm – 10/box
 PN 282051 330 cm – 10/box



CE 0197

Overview



		Diameter (ID, OD [mm]) / Description	Material
1	Connector	OD15, ventilator side	PSU
2	Tubing	-	PVC
3	Connectors for tubing	Differential pressure measurement	PSU
4	Direction index	-	-
5	Individual serial number	-	-
6	Connector	OD22/ID15, patient side	PSU
7	Flap	-	PET

Details

Flow range	0 to 180 l/min (short term 260 l/min)
Dead space	< 11 ml (functional)
Resistance	< 0.027 cmH ₂ O/(l/min) over the complete flow range (-180 l/min to 180 l/min)
Weight	Approx. 14 g without tubes, 68 g with 188 cm tubes, 89 g with 260 cm tubes, 110 g with 330 cm tubes
Material	Complies with ISO 10993-1:2009 (biocompatibility) and Directive 2011/65/EU (RoHS). Does <i>not</i> contain natural rubber latex, DEHP, or BPA.
Accuracy	For calibrated flow sensor volume-related parameters: HAMILTON-C1/T1/MR1/C2/C3/C6 ventilators: ± 10% or ± 10 ml (whichever is greater) HAMILTON-G5/S1 ventilators: ± 15% or ± 20 ml (whichever is greater)

Technical specifications

Temperature	Operating: -20°C to 50°C (-4°F to 122°F) Storage: -20°C to 60°C (-4°F to 140°F)
Operating time	28 days or depending on hospital infection control protocols, patient secretions, and nebulization of medication
Accessory	Tube clip, calibration adapter ID22 / OD15
Identification	Individual serial number
Regulatory	Hamilton Medical has established and applies a quality management system and fulfills ISO 13485 and ISO 9001. The flow sensor has been designed to comply with: Medical Device Regulation (EU) 2017/745, EN 980, EN 1041, ISO 5356-1, ISO 10993-1, ISO 14971

Technical specifications

Flow sensor, proximal

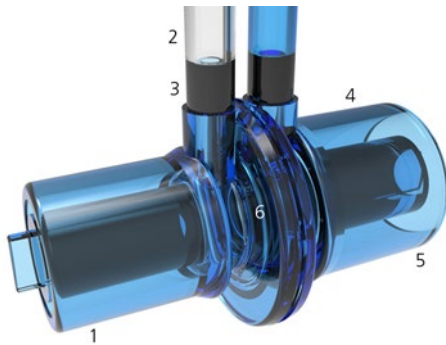
For Hamilton Medical ventilators

PN 260177 160 cm – 10/box
 PN 155500 188 cm – 10/box
 PN 260179 310 cm – 10/box



CE 0197

Overview



		Diameter (ID, OD [mm]) / Description	Material
1	Connector	OD15, ventilator side	PMMA
2	Tubing	-	PVC
3	Connectors for tubing	Differential pressure measurement	PMMA
4	Direction index	-	-
5	Connector	ID15, patient side	PMMA
6	Flap	-	PET

Details

Flow	0 to 30 l/min
Dead space	1.3 ml (functional)
Resistance	< 0.17 cmH ₂ O/(l/min) over the complete flow range (-30 l/min to 30 l/min)
Weight	Approx. 9 g without tubes, 54 g with 160 cm tubes, 62 g with 188 cm tubes, 96 g with 310 cm tubes
Material	Complies with ISO 10993-1:2009 (biocompatibility) and Directive 2011/65/EU (RoHS). Does <i>not</i> contain natural rubber latex, DEHP, or BPA.
Accuracy	For calibrated flow sensor volume-related parameters: HAMILTON-C1/T1/MR1/C2/C3/C6 ventilators: ± 10% or ± 2 ml (whichever is greater) HAMILTON-G5/S1 ventilators: ± 10% or ± 2 ml (whichever is greater)

Technical specifications

Temperature	Operating: -15°C to 40°C (5°F to 104°F) Storage: -20°C to 60°C (-4°F to 140°F)
Operating time	Depends on hospital infection control protocols, patient secretions, and nebulization of medication
Accessory	Tube clip, calibration adapter OD15 / OD15
Regulatory	Hamilton Medical has established and applies a quality management system and fulfills ISO 13485 and ISO 9001. The flow sensor has been designed to comply with: Medical Device Regulation (EU) 2017/745, EN 980, EN 1041, ISO 5356-1, ISO 10993-1, ISO 14971

Technical specifications

Flow sensor, proximal

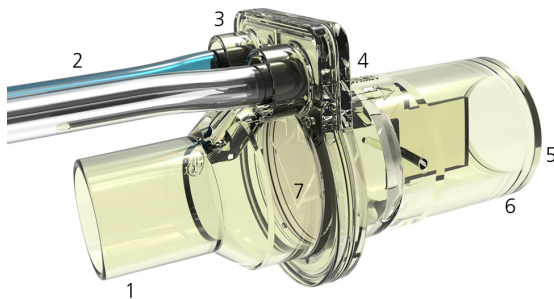
For Hamilton Medical ventilators

PN 950185 188 cm – 1/box



CE 0197

Overview



		Diameter (ID, OD [mm]) / Description	Material
1	Connector	OD15, ventilator side	PSU (nature)
2	Tubing	-	Silicone
3	Connectors for tubing	Differential pressure measurement	PSU (nature)
4	Individual serial number	-	-
5	Connector	OD22/ID15, patient side	PSU (nature)
6	Direction index	-	-
7	Flap	-	Steel 1.4310

Details

Flow	0 to 180 l/min
Dead space	< 11 ml (functional)
Resistance	< 0.027 cmH ₂ O/(l/min) over the complete flow range (-180 l/min to 180 l/min)
Weight	Approx. 15 g without tubing, 72 g with 188 cm tubing
Material	Complies with ISO 10993-1:2009 (biocompatibility) and Directive 2011/65/EU (RoHS). Does <i>not</i> contain natural rubber latex, DEHP, or BPA.
Accuracy	For calibrated flow sensor volume-related parameters: HAMILTON-C1/T1/MR1/C2/C3/C6 ventilators: ± 10% or ± 10 ml (whichever is greater) HAMILTON-G5/S1 ventilators: ± 15% or ± 20 ml (whichever is greater)

Technical specifications

Temperature	Operating: -20°C to 50°C (-4°F to 122°F) Storage: -20°C to 70°C (-4°F to 158°F)
Operating time	Depends on hospital infection control protocols, patient secretions, and nebulization of medication
Accessory	Calibration connector, autoclavable, ID22 / OD15
Identification	Individual serial number
Regulatory	Hamilton Medical has established and applies a quality management system and fulfills ISO 13485 and ISO 9001. The flow sensor complies with Medical Device Regulation (EU) 2017/745, EN 980, EN 1041, ISO 5356-1, ISO 10993-1, ISO 14971. Validated <i>Reprocessing Guide</i> available.