

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



Overview



		Diameter (ID, OD [mm]) / Description	Material
1	Connector	OD15, ventilator side	MABS or PSU
2	Tubing	-	PVC
3	Connectors for tubing	Differential pressure measurement	MABS or PSU
4	Direction index	-	-
5	Individual serial number	-	-
6	Connector	OD22/ID15, patient side	MABS or 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). Not made with natural rubber latex, DEHP and BPA.
Accuracy	For calibrated flow sensor volume-related parameter with Hamilton Medical ventilators HAMILTON-C1/T1/MR1 and HAMILTON-C2/C3/C6: ±10% or ±10 ml (whichever is greater) For calibrated flow sensor volume-related parameter with Hamilton Medical ventilators HAMILTON-G5/S1: ±15% or ±20 ml (whichever is greater)
Temperature	-20°C to 50°C (-4°F to 122°F) (operating) -20°C to 60°C (-4°F to 140°F) (storage)

Technical specifications

Operating time	28 days or depending on hospital infection control protocols, patient's secretion, and nebulization of medication
Accessory	Tube clip, calibration adapter ID22 x 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: Council Directive 93/42/EEC, EN 980, EN 1041, ISO 5356-1, ISO 10993-1, ISO 14971

Technical specifications

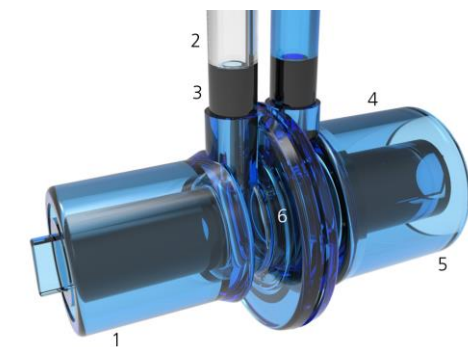
Flow sensor, proximal

For Hamilton Medical ventilators

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



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	< 2 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). Not made with natural rubber latex, DEHP and BPA.
Accuracy	For calibrated flow sensor volume-related parameter with Hamilton Medical ventilators HAMILTON-C1/T1/MR1 and HAMILTON-C2/C3/C6: ±10% or ±2 ml (whichever is greater) For calibrated flow sensor volume-related parameter with Hamilton Medical ventilators HAMILTON-G5/S1: ±10% or ±2 ml (whichever is greater)
Temperature	-15°C to 40°C (5°F to 104°F) (operating) -20°C to 60°C (-4°F to 140°F) (storage)
Operating time	Depends on hospital infection control protocols, patient's secretion, and nebulization of medication

Technical specifications

Accessory	Tube clip, calibration adapter OD15 x 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: Council Directive 93/42/EEC, EN 980, EN 1041, ISO 5356-1, ISO 10993-1, ISO 14971

Technical specifications

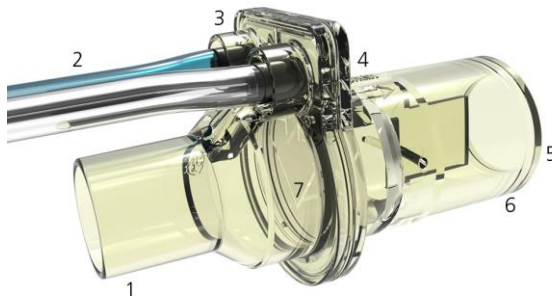
Flow sensor, proximal

For Hamilton Medical ventilators

PN 950185 188 cm - 1/box



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). Not made with natural rubber latex, DEHP and BPA.
Accuracy	For calibrated flow sensor volume-related parameter with Hamilton Medical ventilators HAMILTON-C1/T1/MR1 and HAMILTON-C2/C3/C6: ±10% or ±10 ml (whichever is greater) For calibrated flow sensor volume-related parameter with Hamilton Medical ventilators HAMILTON-G5/S1: ±15% or ±20 ml (whichever is greater)
Temperature	-20°C to 50°C (-4°F to 122°F) (operating) -20°C to 70°C (-4°F to 158°F) (storage)
Operating time	Depends on hospital infection control protocols, patient secretions, and nebulization of medication

Technical specifications

Accessory	Calibration connector, autoclavable, ID22 x 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 Council Directive 93/42/EEC, EN 980, EN 1041, ISO 5356-1, ISO 10993-1, ISO 14971. Validated reprocessing guide available