

DEBSON TM2

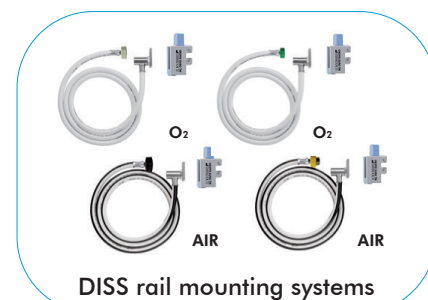
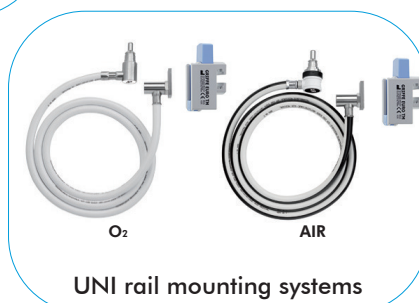
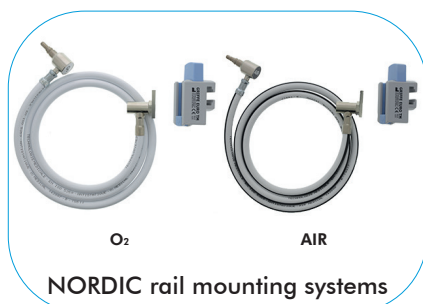
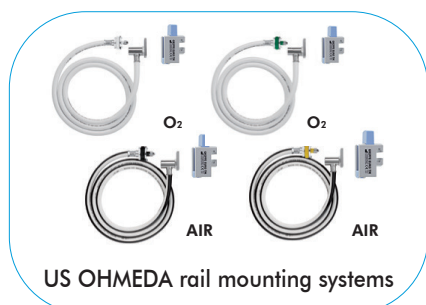
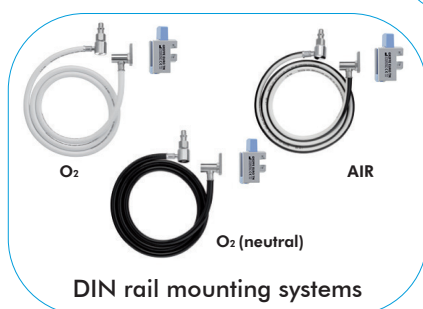
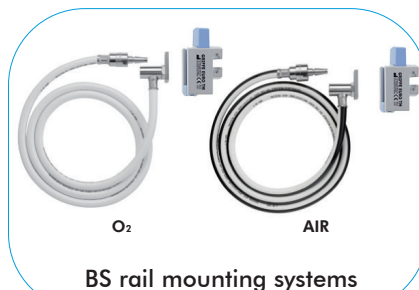


OXYGEN-THERAPY
FLOWMETERS WITH
PRE-ADJUSTED FLOWRATES



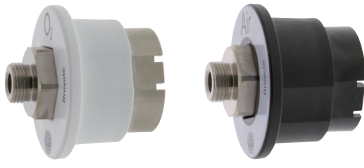
TECHNOLOGIE
MÉDICALE

RAIL MOUNTING SYSTEMS



Others standards available upon request.

DIRECT PROBES



O₂ AIR
AFNOR TM CHOC
direct probes



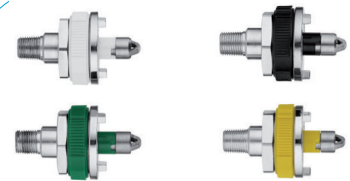
O₂ AIR
BS direct probes



O₂ AIR
CZECH direct probes



O₂ AIR
DIN direct probes



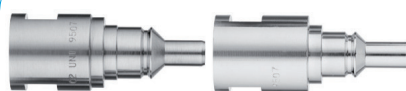
O₂ AIR
US OHMEDA direct probes



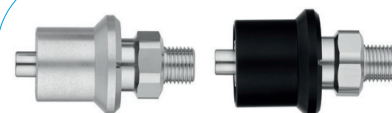
O₂ AIR
NORDIC direct probes



O₂ AIR
DISS direct probes



O₂ AIR
UNI direct probes



O₂ AIR
CARBUROS direct probes



Others standards available upon request.

DEBSON TM2

The DEBSON TM2 flowmeter is used to set the flow of a gas that is to be delivered to patients through the respiratory tract. It is a flowmeter with pre-adjusted flowrates which basic principle lies in the variation of the flow-holes' diameter. The DEBSON TM2 should be connected to a source of pressured gas on the wall either using a direct probe or a rail mounting system. It must be fitted at its outlet either with a humidifier/nebulizer or with an outlet tubing nipple.

Main technical features:

Medical device of class IIa.

In compliance with the EN ISO 15002

Inlet pressure: 4.5 bar +/- 0.5 bar

- **Flowmeter with pre-adjusted flowrates:** accurate and stable flowrates.
- **It can be used in any orientation** for a perfect adaptation to the medical needs especially for emergency.
- **Flow control knob with ratchet mechanism** avoiding accidental flowrate change and preventing from standing between 2 flowrates.
- **Gas flow between two positions.**
- **9 different flowrates available for each version.**
- **Control knob with large wings** facilitating the grip and including a twin display of the selected flowrate (front & top).
- **Control knob with a wide transparent window** to be able to read the selected flowrate as well as the previous and the next ones.
- **Standard product delivered with a Stop system** preventing the medical staff from switching from 0 to maximum flow and conversely. Model without Stop system available upon request.
- **Double filtration:** filters at the inlet and at the outlet for optimal safety of both the patient and the device.
- **Metal parts made of nickel-plated brass.**
- **Normative information** (gas name, CE marking, signs related to the use of the device) are mentioned a self-adhesive ring for a better reading and an immediate identification of a TM device.
- **A unit serial number is engraved on the body of each DEBSON TM2** ensuring its identification and traceability. 8 digits number indicating the year and the manufacturing month as well as the unit serial number of the device.

Many versions available:

- Available gases: OXYGEN – MEDICAL AIR.
- Available versions:
01 l/min – 05 l/min – 15 l/min – 25 l/min – 50 l/min.
- Inlets: 12x100 F – 1/4G M – 1/8NPT F – 3/8" BSP F.
- Outlets: 12x125 M – 9/16" M – 1/2" BS F – 1/4G M.
- Available configurations: Single and Twin.

- Available with or without Flush system (for 15 l/min only).
- Available connections to the wall outlet: Direct probe or Rail mounting system.
- Standards: AFNOR (French standard) - BS (British standard) - DIN (German standard) - NORDIC (Scandi-navian standard) - CZECH (Czech standard) - CARBUROS (Spanish standard) - UNI (Italian standard) - US OHMEDA DIAMOND (American standard) - DISS (American standard) - Korean standard - Japanese standard - SANS/SABS (South African standard).
- Weight (without direct probe): 250 g.
- Dimensions (without direct probe):
Height 58 mm x width 60 mm x depth 71 mm.

Use, cleaning and maintenance:

- Once the device is connected to the wall outlet then just turn the front knob gradually counterclockwise and select any of the 9 available flowrates till its ratchet mechanism.

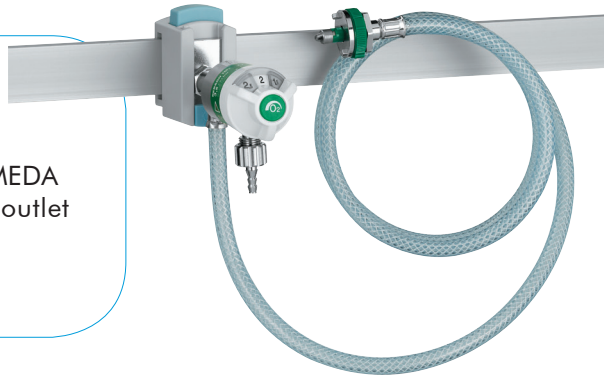
Accessories:

- Tubing nipple (1 part or 2 parts) ❶
- Switch or Flow-Switch ❷
- Humidifier: CCO model (250 ml) ❸

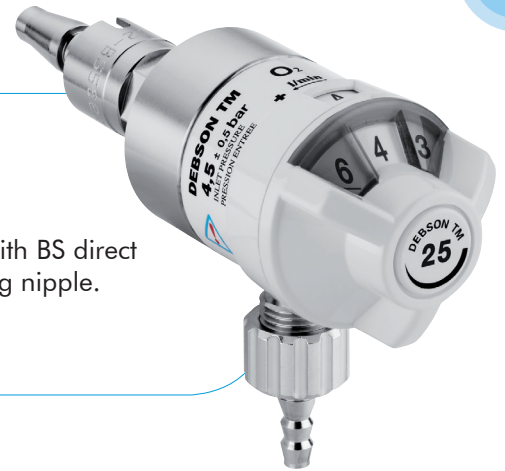


D01-E

DEBSON TM2 O₂ 15 l/min with OHMEDA rail mounting system and 9/16" outlet tubing nipple.

**D02-E**

DEBSON TM2 O₂ 25 l/min with BS direct probe and 9/16" outlet tubing nipple.

**D03-E**

DEBSON TM2 O₂ 15 l/min with DIN direct probe and 9/16" outlet tubing nipple.

**D04-E**

DEBSON TM2 medical AIR 05l/min with AFNOR TM CHOC direct probe and 12 x 125 outlet tubing nipple.



D05-E

Twin DEBSON TM2 O₂ 15-05 l/min
with AFNOR TM CHOC direct probe.

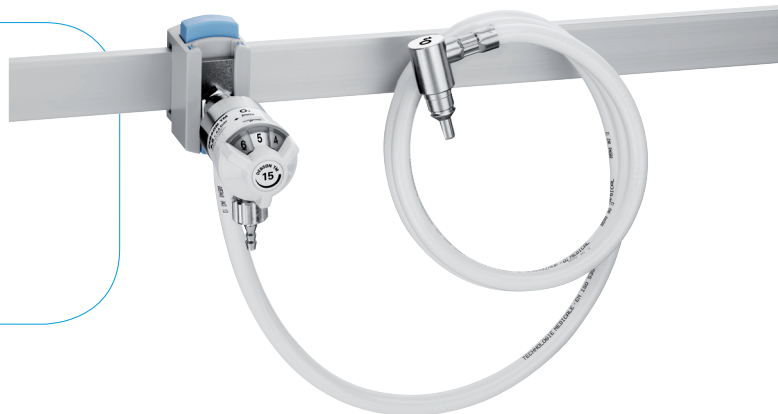


D06-E

DEBSON TM2 O₂ 01 l/min with NORDIC
direct probe and 9/16" outlet tubing
nipple.

D07-E

DEBSON TM2 O₂ 15 l/min with UNI rail
mounting system and 9/16" outlet tubing
nipple.



D08-E

DEBSON TM2 FLUSH O₂ 15L/min with AFNOR direct probe and 12 x 125 outlet tubing nipple.

**DEBSON TM2 FLUSH**


▶ **FLUSH system**

This system enables to instantly deliver a strong gas flow (30 l/min) by simply pressing on the control knob. When stopping the pressure on the control knob the gas flow then gets back to the initially preset flowrate.



- ▶ Colored control knob to visually distinguish it from the other DEBSON TM2 flowmeters.
- ▶ Medical device used for very specific applications within Intensive Care Units and wake-up rooms when a brief and immediate strong flow of oxygen is needed.
- ▶ FLUSH system only available upon request (for DEBSON TM2 flowmeters 15 l/min only).



Flow ranges for all DEBSON TM2

DEBSON TM2 - 01 l/min	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1
DEBSON TM2 - 05 l/min	0	0.5	0.8	1	1.5	2	2.5	3	4	5
DEBSON TM2 - 15 l/min	0	1	2	3	4	5	6	9	12	15
DEBSON TM2 - 25 l/min	0	0.5	1	2	3	4	6	8	15	25
DEBSON TM2 - 50 l/min	0	5	10	15	20	25	30	35	40	50



AFNOR French Standard		DEBSON TM2 – With STOP SYSTEM FLOWMETERS WITH PRE-ADJUSTED FLOWRATES				
OXYGEN (O ₂)	Flowrates l/min	Single	Single	Single	Single	Single
MEDICAL AIR		01	05	15	25	50
Mounted with AFNOR direct probe 	Outlet thread: 12X125M	18098	18099	18101	18584	18103
		18106	18107	18108	18592	18109
	With nipple*: 12X125	18180	18185	18190	18586	18195
		18136	18141	18146	18594	18151
	Outlet thread: 9/16 M	18199	18205	18211	18585	18217
		18155	18161	18167	18593	18173
	With nipple*: 9/16	18201	18207	18213	–	18219
		18157	18163	18169	–	18175
Mounted with AFNOR complete rail mounting system (polycarbonate clamp) 	Outlet thread: 12X125 M	18176	18181	18186	18588	18191
		18132	18137	18142	18596	18147
	With nipple*: 12X125	18178	18183	18188	18590	18193
		18134	18139	18144	18598	18149
	Outlet thread: 9/16 M	18196	18202	18208	18589	18214
		18152	18158	18164	18597	18170
	With nipple*: 9/16	18198	18204	18210	–	18216
		18154	18160	18166	–	18172



* Outlet tubing nipple in 2 parts, metal.
– Available upon request only.
Please contact us for other flowmeter configurations.

BS British Standard		DEBSON TM2 – WITH STOP SYSTEM FLOWMETERS WITH PRE-ADJUSTED FLOWRATES				
OXYGEN (O₂)	Flowrates l/min	Single	Single	Single	Single	Single
MEDICAL AIR		01	05	15	25	50
Mounted with BS direct probe 	Outlet thread: 9/16 M	18236	18240	18244	18696	18248
		-	-	-	-	-
	With nipple*: 9/16	18237	18241	18245	-	18249
		-	-	-	-	-
Mounted with BS complete rail mounting system (polycarbonate clamp) 	Outlet thread: 9/16 M	18238	18242	18246	18711	18250
		-	-	-	-	-
	With nipple*: 9/16	18239	18243	18247	-	18251
		-	-	-	-	-

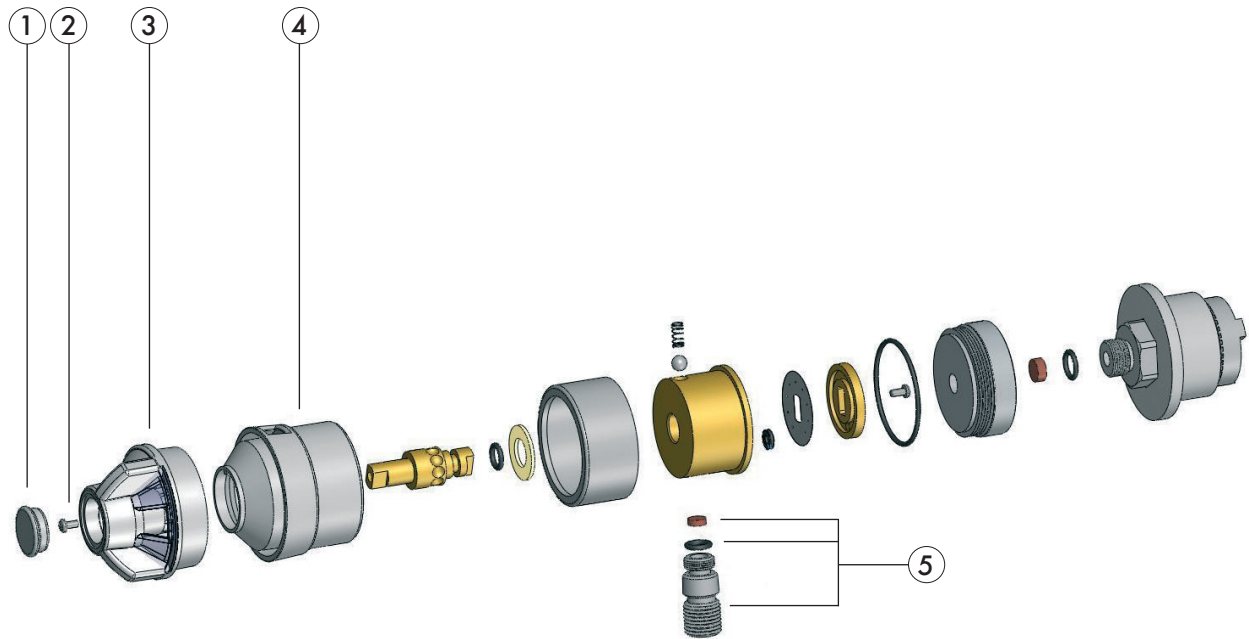
DIN German Standard		DEBSON TM2 – WITH STOP SYSTEM FLOWMETERS WITH PRE-ADJUSTED FLOWRATES				
OXYGEN (O₂)	Flowrates l/min	Single	Single	Single	Single	Single
MEDICAL AIR		01	05	15	25	50
Mounted with DIN direct probe 	Outlet thread: 9/16 M	18268	18272	18276	18716	18280
		18252	18256	18260	18717	18264
	With nipple*: 9/16	18269	18273	18277	-	18281
		18253	18257	18261	-	18265
Mounted with DIN complete rail mounting system (polycarbonate clamp) 	Outlet thread: 9/16 M	18270	18274	18278	18718	18282
		18254	18258	18262	18719	18266
	With nipple*: 9/16	18271	18275	18279	-	18283
		18255	18259	18263	-	18267

* Outlet tubing nipple in 2 parts, metal.
 – Available upon request only.
 Please contact us for other flowmeter configurations.

NORDIC Scandinavian Standard		DEBSON TM2 – WITH STOP SYSTEM FLOWMETERS WITH PRE-ADJUSTED FLOWRATES				
OXYGEN (O ₂)	Flowrates l/min	Single	Single	Single	Single	Single
MEDICAL AIR		01	05	15	25	50
Mounted with NORDIC direct probe 	Outlet thread: 9/16 M	18300	18304	18308	18721	18312
		18284	18288	18292	18722	18296
	With nipple*: 9/16	18301	18305	18309	–	18313
		18285	18289	18293	–	18297
Mounted with NORDIC complete rail mounting system (polycarbonate clamp) 	Outlet thread: 9/16 M	–	–	–	–	–
		–	–	–	–	–
	With nipple*: 9/16	–	–	–	–	–
		–	–	–	–	–

UNI Italian Standard		DEBSON TM2 – WITH STOP SYSTEM FLOWMETERS WITH PRE-ADJUSTED FLOWRATES				
OXYGEN (O ₂)	Flowmeter l/min	Single	Single	Single	Single	Single
MEDICAL AIR		01	05	15	25	50
Mounted with UNI direct probe 	Outlet thread: 1/4G M	–	–	18388	–	–
		–	–	–	–	–
	Outlet thread: 9/16 M	–	–	18387	–	–
		–	–	–	–	–
Mounted with UNI complete rail mounting system (polycarbonate clamp) 	Outlet thread: 1/4G M	–	–	18390	–	–
		–	–	–	–	–
	Outlet thread: 9/16 M	–	–	18389	–	–
		–	–	–	–	–

* Outlet tubing nipple in 2 parts, metal.
 – Available upon request only.
 Please contact us for other flowmeter configurations.



Reference			Description
1	O ₂	18503 18505 18504 18514 18506	FRONT DISC Front disc 01 l/min Front disc 05 l/min Front disc 15 l/min Front disc 25 l/min Front disc 50 l/min
	AIR	18508 18507 18509 18513 18510	Front disc 01 l/min Front disc 05 l/min Front disc 15 l/min Front disc 25 l/min Front disc 50 l/min
2		11030	Tightening screw
3		17723 17729 17722 18527 17724	WHEEL Wheel 01 l/min Wheel 05 l/min Wheel 15 l/min Wheel 25 l/min Wheel 50 l/min
4		17715 17717 17714 18525 17716	TUBE with STOP system Tube 01 l/min Tube 05 l/min Tube 15 l/min Tube 25 l/min Tube 50 l/min
5		11052 11054 11056 16921	COMPLETE OUTLET Outlet 12x125M Outlet 9/16" M Outlet 1/4G M Outlet 1/2"BS F



Also available



Distributed by

OXYGEN-THERAPY
FLOWMETERS WITH
PRE-ADJUSTED FLOWRATES



TECHNOLOGIE
MEDICALE

101, rue Vaillant Couturier - 93130 NOISY LE SEC FRANCE
Tel: +33 (0)1 48 45 58 95
info@technologiemedicale.com - www.technologiemedicale.com