SENAMED
Teknik ve Tıbbi Sistemler San. ve Tic. A.Ş.



NF Series

Medical Gas Outlets

NF Series combines a corrosion-resistant brass mechanism with a durable ABS front cover in a hybrid design, providing long-lasting performance.

Designed in accordance with the **AFNOR (NF EN 737-1) standard**, it integrates seamlessly into a wide range of medical gas systems, including bed head units, pendant systems, intensive care units, and wall-mounted systems.

Combining broad system compatibility, a robust internal mechanism, and a long service life, **NF Series** delivers consistent performance and dependable operation throughout its service life.

Designed to the French Standard. Built for Reliability.



NF Series Medical Gas Outlet

A corrosion-resistant brass mechanism and durable ABS front cover create a lightweight balanced construction.

Its hybrid design combines practical usability with consistent performance.

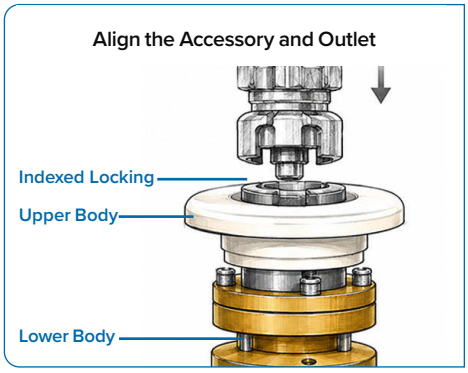
- **Hybrid Design**
  Metal Structure, ABS Cover
- **NF Compatible**
  International Standard Compliance
- **Corrosion Resistance**
  Durable Brass Construction
- **Gas-Specific Indexing**
  Error-Proof Gas Connection
- **Long Service Life**
  Extended Operational Durability
- **Color-Coded ABS Design**
  Easy Identification

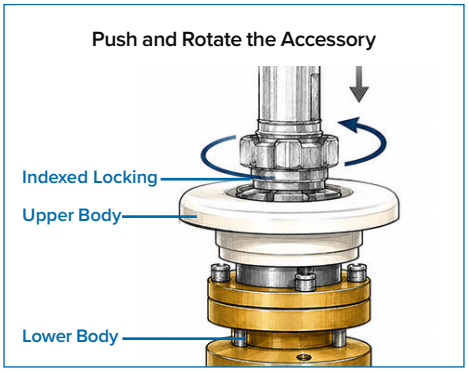
Indexed Locking Mechanism

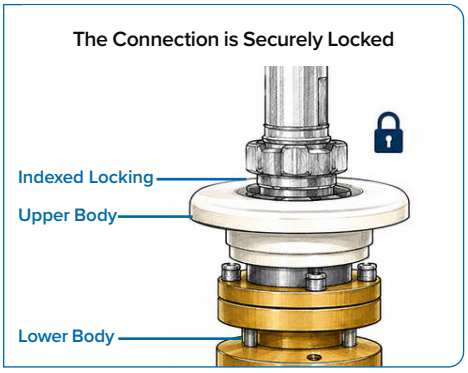
The outlet features an indexed locking system designed in accordance with the NF standard. Once the indexing profiles are aligned, the accessory is pushed into the outlet and rotated to achieve a secure mechanical lock.

This mechanism helps prevent incorrect connections, ensures a secure connection during use, and allows the accessory to be released only by reversing the locking sequence.









Compatible Products

The gas outlet system supports a wide range of medical gas accessories, ensuring safe connection and flexible use across different applications.



Flowmeter Group

Controlled oxygen and air flow with humidifiers.



Aspiration Group

Controlled vacuum systems for fluid and gas removal in clinical use.



Gas **Probes & Manometer** Valves

Gas-specific probes for secure medical gas connections. (NF)



Multiple Gas Outlets

Simultaneous gas use from a single outlet.



*** For detailed information, please refer to the relevant catalogs in our Medical Gas Accessories product range.*

Configurations & Product Comparison

Medical gas outlets are available in a wide range of gas and inlet connection configurations to meet different installation requirements and international standards.

Standard AFNOR (NF) configurations are available, while additional gas options can be provided upon request.



NF Series Configurations

NF EN 737-1

						
Outlet Type	**O_2**	**N_2O**	**MA4**	**SA7**	**VAC**	**CO_2**
Pipe 45°	MGO.TLP.A0012.01	MGO.TLP.A0012.02	MGO.TLP.A0012.03	MGO.TLP.A0012.04	MGO.TLP.A0012.05	MGO.TLP.A0012.06
Hose 45°	MGO.TLP.A0012.11	MGO.TLP.A0012.12	MGO.TLP.A0012.13	MGO.TLP.A0012.14	MGO.TLP.A0012.15	MGO.TLP.A0012.16
Pneumatic 45°	MGO.TLP.A0012.31	MGO.TLP.A0012.32	MGO.TLP.A0012.33	MGO.TLP.A0012.34	MGO.TLP.A0012.35	MGO.TLP.A0012.36
Pipe 90°	MGO.TLP.A0012.41	MGO.TLP.A0012.42	MGO.TLP.A0012.43	MGO.TLP.A0012.44	MGO.TLP.A0012.45	MGO.TLP.A0012.46
Hose 90°	MGO.TLP.A0012.51	MGO.TLP.A0012.52	MGO.TLP.A0012.53	MGO.TLP.A0012.54	MGO.TLP.A0012.55	MGO.TLP.A0012.56
Pneumatic 90°	MGO.TLP.A0012.71	MGO.TLP.A0012.72	MGO.TLP.A0012.73	MGO.TLP.A0012.74	MGO.TLP.A0012.75	MGO.TLP.A0012.76

PRODUCT COMPARISON

Series	Construction	Standards	Diameter	Highlights
LOTUS	All-Plastic Construction	DIN / BS	Ø50	Lightweight & Economical
TULIPA	Metal Core with Plastic Cover	DIN / BS	Ø60,5	Hybrid Construction
NF Series	Metal Core with Plastic Cover	NF	Ø58	NF Compliant Hybrid Construction
VIOLA	All-Metal Construction	DIN / BS	Ø40	Space-Efficient
SAFRAN	All-Metal Construction	DIN / BS	Ø50	Maximum Durability

Technical specifications may change without prior notice. The images are provided as examples and may vary depending on the model.

MODEL

General Features

Compliance	AFNOR
Operating Temperature	0–50 °C
Relative Humidity	30–85 %
Medical Gases	O_2 – N_2O – MA4 – SA7 – VAC – CO_2
Working Pressure	4-5 bar (Breathing Gases) 7-10 bar (Instrument Gases) (-0,4)–(-0,9) bar (Vacuum)
Max. Inlet Pressure	10 bar

Mechanical Features

Upper Body	ABS Plastic
Lower Body	Brass (MS58 grade)
Internal Components	Brass
Gas Indexing System	Cr-Plated Brass
Locking Mechanism	AFNOR
Safety Feature	Two-Part Design ensures no gas leakage during maintenance
Gas Identification Label	International Color Coding

Installation Details

Installation Height	900–1600 mm
Minimum Spacing (2 Outlets)	150 mm (center to center)
Minimum Spacing (3+ Outlets)	135 mm (center to center)
Mounting Direction	Left to Right
Mounting Order	O_2 – N_2O – MA4 – SA7 – VAC – CO_2

Dimensions

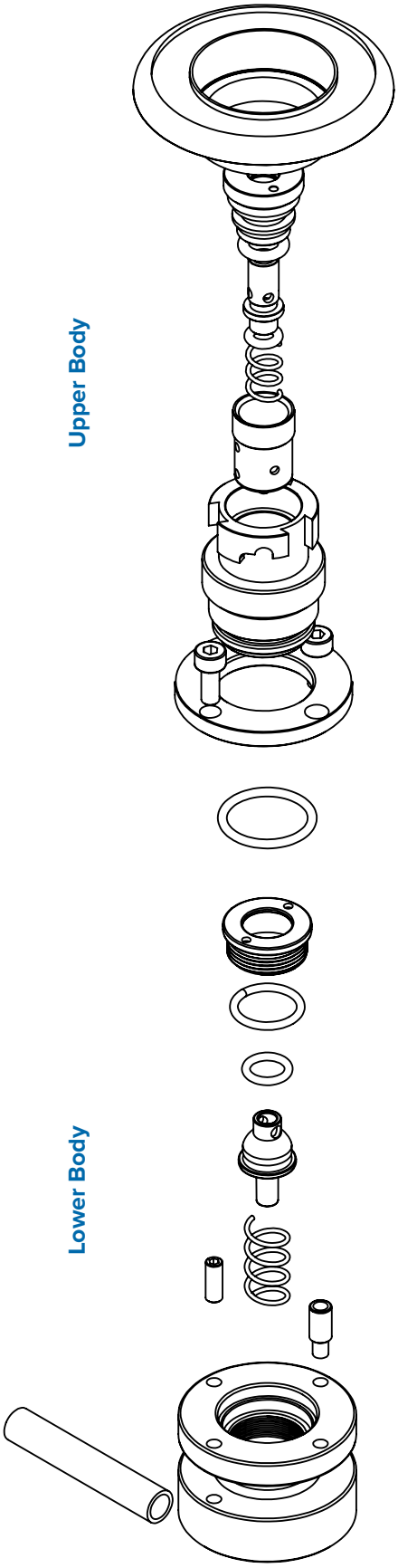
Upper Body Diameter	Ø58 mm
Lower Body Diameter	Ø39.60 mm
Copper Pipe Diameter	8 - 10 - 12 mm

Standards

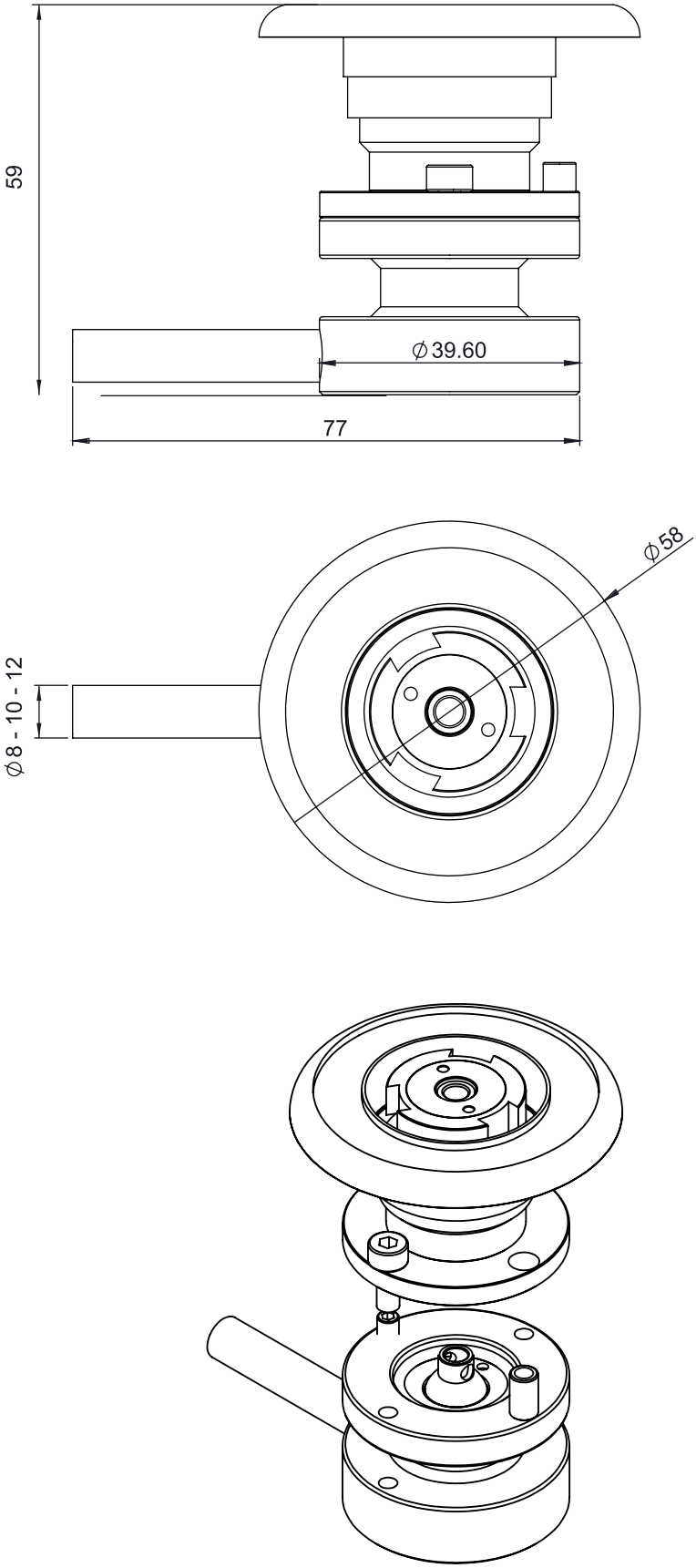
Quality Standards	EN ISO 13485:2016 – EN ISO 9001:2015
Management Standards	EN ISO 13485:2016 – EN ISO 9001:2015 – EN 1041 + A1:2011 EN ISO 14971:2012 – IEC 62366-1:2015 – EN ISO 15223-1:2016
Leaking Tests	EN ISO 10524-1 /-2 /-3 – EN ISO 9170-1:2008
Medical Gas Standards	HTM-02-01 – EN ISO 7396-1:2016 – EN ISO 5359 EN ISO 7396-1:2016 – EN ISO 7396-2:2007– EN ISO 11197:2020 EN ISO 9170-1:2008 – EN 10524-1:2019 – EN ISO 10524-2:2019 EN ISO 10524-3 – EN ISO 5359 – EN ISO 10079-3 NF EN 737-1

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PRODUCT STRUCTURE



TECHNICAL DRAWINGS



Other gas configurations share similar design principles.
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