

# OXYGEN GENERATOR

## Medical Oxygen Supply System



**Bridge**  
Connectivity Solutions

**nf**  
NF Co., Ltd.

## MOSS-450S, 300S, 150, 80S



부산대학교  
PUSAN NATIONAL UNIVERSITY



## BIOTECH-BCS Introduction

Biotech-BCS is the healthcare division of Bridge Connectivity Solutions Pvt. Ltd. (BCS). We are a reputed technology service provider based in New Delhi, India since 2012. We supply hospital management software and IT systems to healthcare institutions throughout the country.

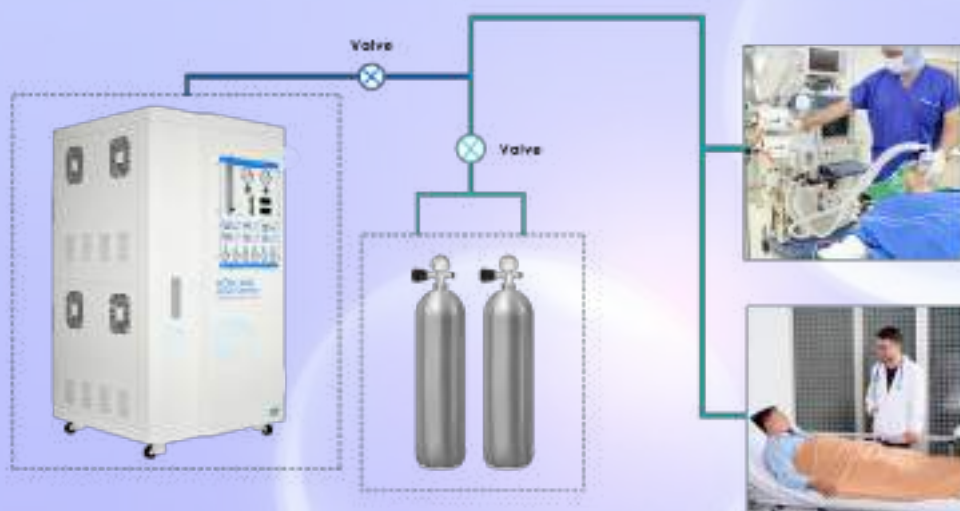
NF Co. Ltd. (NF), South Korea is a manufacturer of natural and environment friendly hi-tech oxygen generators. In our endeavour to expand our quality services, we have partnered with NF to offer a series of innovative and advanced oxygen generators which outperform conventional high-pressure oxygen plants and cylinders, in terms of cost and benefit.

BCS is the exclusive distributor for the states of Andhra Pradesh, Karnataka, Kerala, Maharashtra, Punjab, Tamil Nadu, and Telangana. Our services are also available on pan-India basis.

## Medical Oxygen Supply System

Medical Oxygen Supply System (MOSS) is a series of standalone oxygen generators designed to replace high-pressure cylinders used in hospitals and other healthcare institutions. MOSS is an innovative solution in the industry, providing uninterrupted medical-grade oxygen supply with excellent reliability, ease of operation, safety, and cost-effectiveness, with potential for further expansion.

If required, MOSS can also be configured to work alongside existing cylinder based systems.



## NF Products

### MOSS-450S



#### Specifications

Purity	93±3%
Flow rate	45±3LPM
Supply pressure	Max 5kg/cm <sup>2</sup>
Temperature	Max 50°C
Voltage	AC 220V, 50-60Hz
Power consumption	2.9kW
Weight	220kg
Size	75 x 80 x 147 cm (w x d x h)

### MOSS-300S



#### Specifications

Purity	93±3%
Flow rate	30±3LPM
Supply pressure	Max 5kg/cm <sup>2</sup>
Temperature	Max 50°C
Voltage	AC 220V, 50-60Hz
Power consumption	1.9kW
Weight	170kg
Size	54 x 80 x 147 cm (w x d x h)

### MOSS-150



#### Specifications

Purity	93±3%
Flow rate	15±3LPM
Supply pressure	Max 5kg/cm <sup>2</sup>
Temperature	Max 50°C
Voltage	AC 220V, 50-60Hz
Power consumption	0.96kW
Weight	106kg
Size	55 x 80 x 93 cm (w x d x h)

### MOSS-80S



#### Specifications

Purity	93±3%
Flow rate	7±1LPM
Supply pressure	Max 1.4kg/cm <sup>2</sup>
Temperature	Max 50°C
Voltage	AC 220V, 50-60Hz
Power consumption	0.48kW
Weight	35kg
Size	56.5 x 24.3 x 57 cm (w x d x h)



**MOSS-BST  
(Pressure Booster)**



**Specifications**

<b>Supply pressure</b>	Maximum 6kg/cm <sup>2</sup>
<b>Voltage</b>	AC 220V/60 Hz
<b>Power consumption</b>	0.5kW
<b>Oxygen outlet caliber</b>	1.2 cm One-touch fitting
<b>Body material</b>	Mild steel
<b>Weight</b>	25 kg
<b>Size</b>	56 x 62 x 30 cm (w x h x d)



**DISADVANTAGES  
of Conventional Cylinders**

- Requires frequent replacement and refilling.
- High operational cost and requires periodic monitoring.
- Requires large space for storage of cylinders.
- High risk of fire and explosion.
- Risk of injuries while handling and transportation.
- High-pressure gas storage facilities demand extra safety measures.
- Possible compromise on the purity of oxygen supply.
- Risk of cost escalation.
- Risk of infection due to reuse of cylinders among hospitals after refills.



**ADVANTAGES  
of MOSS Generators**

- One-time installation and uninterrupted oxygen supply from oxygen generators.
- Low operational costs and requires minimal monitoring.
- Compact dimensions occupy less space.
- Minimal risk.
- Requires no regular handling or transportation.
- Safer system.
- High purity system.
- Fixed cost.
- No risk of infection from oxygen generators.

**MOSS Benefits****Durability**

High quality,  
modular built.

**Cost-Effectiveness**

Substantial cost-savings  
compared to existing liquid  
oxygen systems.

**Ease of Use**

Simple and easy to  
operate.

**Convenience**

Automatic system requires  
minimal supervision.

**Innovative**

Cutting-edge technology,  
oil-free compressor and silent  
operation.

**Safety**

Certified by reputed labs.  
Much safer system.



Gallery



## MOSS Applications

Hospitals



Clinics



Dispensaries



Hospices



Nursing Homes



## Our Services

Free Installation



User Training



One-Year  
Warranty  
Support



Annual  
Maintenance  
Contract







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