

The New Standard for Suppressing Yellowing and Black Spots in Transparent Resin Molding

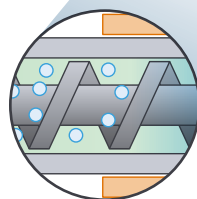
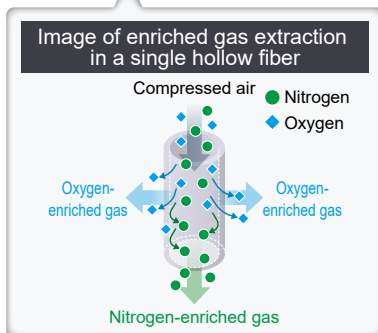
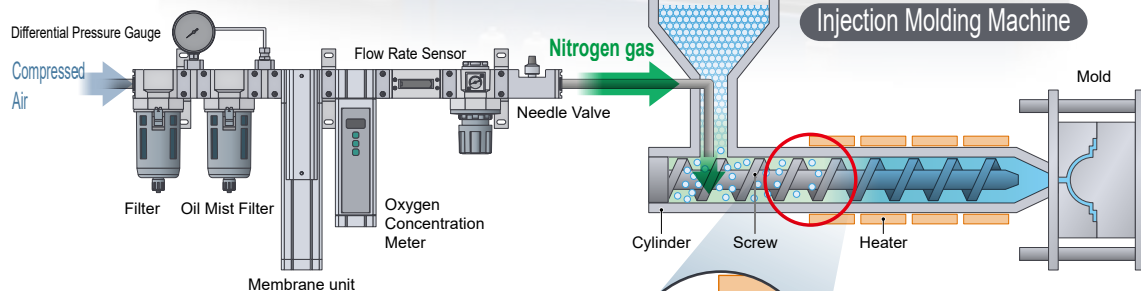
Just attach to air piping! Easily extract nitrogen gas



When foreign matter is generated, it must be **purged** until it is clean

When the machine is stopped, **black spot defects** occur.

If that doesn't work, the **screws** must be disassembled and cleaned.



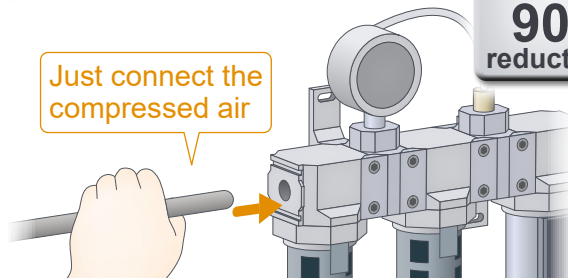
Use **nitrogen** to lower the **oxygen concentration**

Causal Factors for Yellowing and Black Spots in Transparent Resin Molding

Temperature x Time x Oxygen Concentration

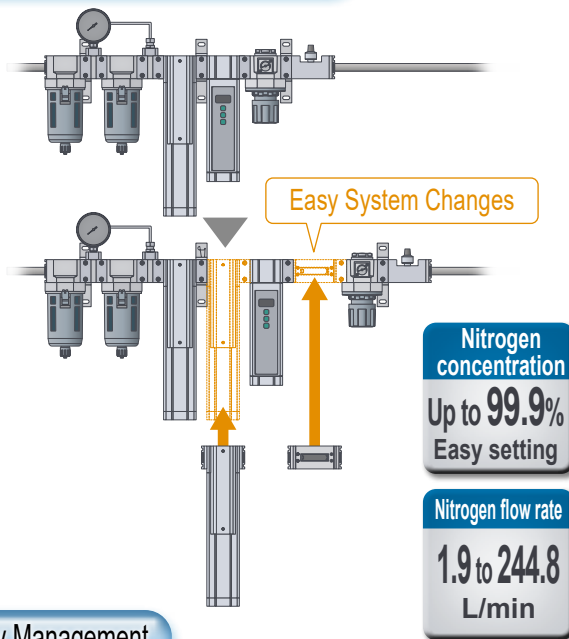
User-friendly

Reduces processes, piping, and space



Space / Weight
Over
90%
reduction

Increased flexibility in design



Nitrogen flow rate
1.9 to 244.8
L/min

Easy Management

Oxygen Concentration
Management (via N2 conc.)



Oxygen monitor

Nitrogen flow rate management



Flow Rate Sensor

Management of Supplied
Compressed Air Quality



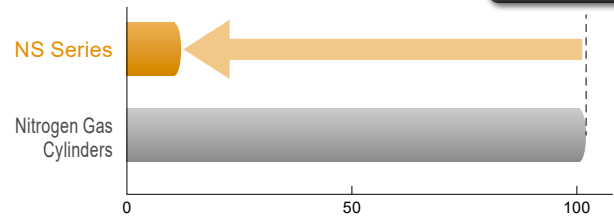
Differential Pressure Gauge

*Necessary equipment can be easily connected with modular connections. Please inquire for details.

Environment-friendly

Reduced Running Costs

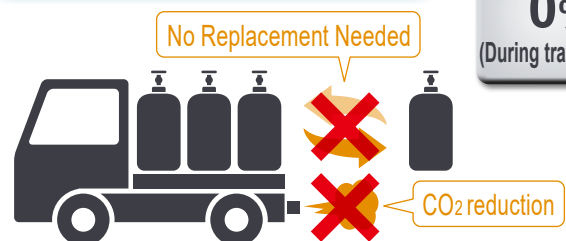
Comparison of Gas Unit Price with Nitrogen Gas Cylinders



*Comparison assuming a gas unit price of 100 for a nitrogen gas cylinder at 99% nitrogen concentration.

Running costs
Over
90%
reduction

No need to replace or transport tanks



CO₂ Emissions
0%
(During transport)

Not subject to the High Pressure Gas Safety Act

Oxygen concentration under
pressure is now visible

Inline Oxygen Concentration Meter

PNA Series

- Highly durable zirconia type
- Oxygen/inert gas display switchable
- Upper/Lower limit output available
- Analog output available
- With self-diagnostic function



Start with a trial.

Evaluation samples are available.

CKD Corporation

[Website]
<https://www.ckd.co.jp/en/>

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