

**KSTK**

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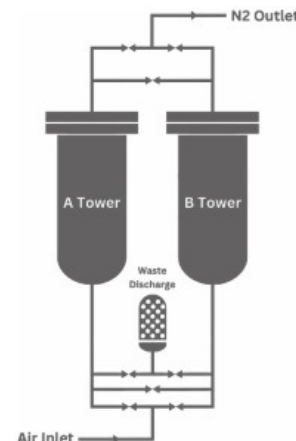
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**NITROGEN  
SERIES**

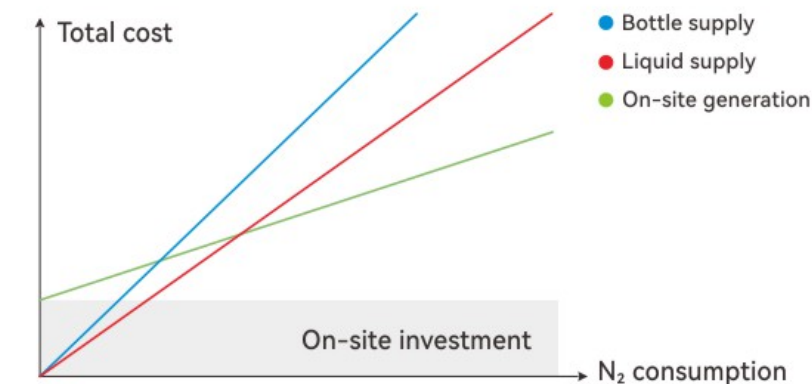
## Pressure Swing Adsorption Technology

Pressure Swing Adsorption (PSA) is a gas separation technology. Its principle is based on the difference in the adsorption properties of different gas molecules by an adsorbent (such as carbon molecular sieve), which allows the separation of gas mixtures. This technology uses air as the raw material and employs highly efficient, highly selective adsorbents to selectively adsorb oxygen from the air, thereby achieving nitrogen-oxygen separation.



## Gas Generator vs. Traditional Gas Supply

- No rental fee
- No transportation fee
- No storage fee
- No need to wait
- Eliminates safety hazards in handling pressurized cylinders or liquid nitrogen



# BENEFITS



### Sustainability

- Air as raw material, unlimited supply for a sustainable production



### Reliability

- Proven technology, dependable safety
- Fast production, highly efficient
- 24/7 automatic operation



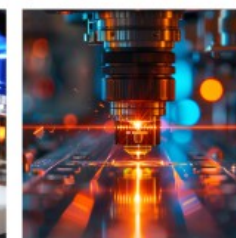
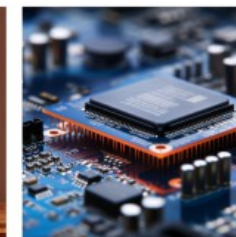
### Convenience

- Plug & play design
- Easy operation
- Adjustable output
- Hassle-free maintenance



### Economical

- Low operating costs
- Long-lasting equipment
- Short payback period
- Outstanding economic benefits



## APPLICATIONS

| Applications         | Nitrogen Purity |
|----------------------|-----------------|
| Fire Prevention      | 95%             |
| Explosion Prevention | 95~99%          |
| Chemical Blanketing  | 95~99%          |
| Injection Molding    | 99~99.5%        |
| Food Processing      | 99~99.9%        |
| Electronics          | 99.95~99.995%   |
| Laser Cutting        | 99.95~99.995%   |
| Pharmaceutical       | 99.95~99.999%   |

Note: Above data is for reference only



### Intelligent Alarm System

- Combines sound and flashing warnings to promptly alert of equipment abnormalities, ensuring operational safety.



### Automatic Venting System

- Automatically vents unqualified nitrogen and, once purity is met, automatically opens the nitrogen outlet valve, providing pure nitrogen with no user intervention required.



### Reliable Valves

- Made from premium 304 stainless steel
- Resistant to high pressure and corrosion
- Ensuring 2,000,000 cycles of stable operation



### Energy-Saving Modes

- Two distinct standby modes allow the system to automatically enter standby when gas consumption ceases, optimizing energy efficiency and reducing operational costs.

### High-Efficiency Nitrogen Output

- Nitrogen to air ratio is 5-15% better than our competitors
- Delivering efficient nitrogen production



### High-Quality Molecular Sieves

- Customize ordered molecular sieves with excellent adsorption performance, ensuring high nitrogen output.



### Multi-Function PLC

- User-friendly interface
- Standard 485 and Ethernet connectivity
- Multi-status/language display
- Remote start/stop control

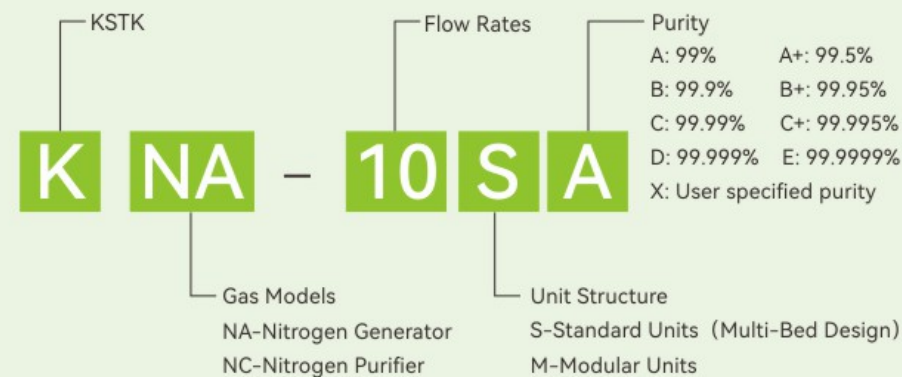


### Modular Valve Manifold Design

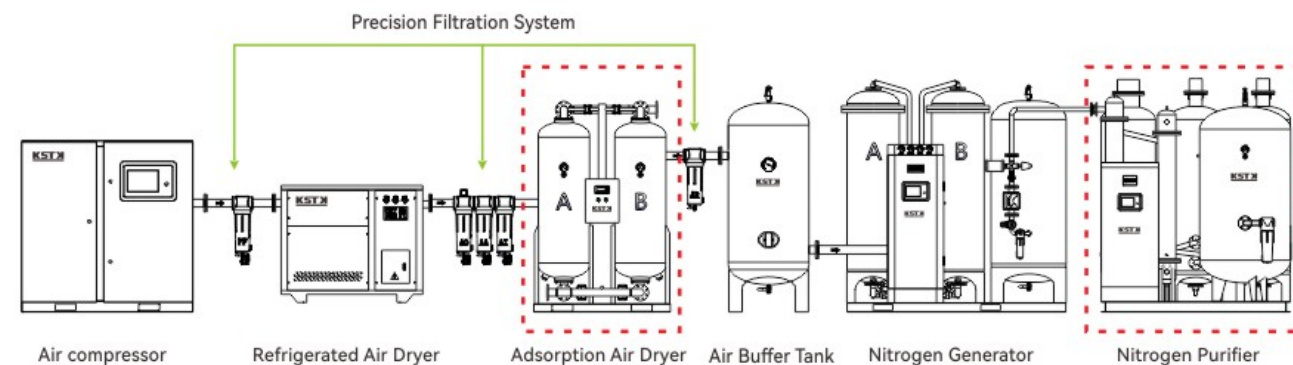
- Patent modular valve manifold design for high efficiency and stability, reducing leakage risk, and minimizing maintenance time.

## Unit Model Definition

Example: KNA-10SA



## Standard Installation Flowchart



Note: The red dashed box indicates optional equipment



## Quad-Tower Nitrogen Generator

Why settle for two when one does it all?

Our quad-tower system integrates two sets of adsorption vessels into a single unit, replacing the traditional dual-tower setup. This design significantly simplifies the system structure, reduces footprint and installation costs, and greatly minimizes operational and maintenance complexity. The integrated system not only enhances operational efficiency and stability but also eliminates potential issues arising from multi-device coordination, making it a more economical and efficient all-in-one solution.

## Combined Nitrogen Generator

One skid solves it all!

Our combined nitrogen generator integrates a refrigerated air dryer, a precision filtration system, an air buffer tank, a nitrogen buffer tank, and a dual-tower nitrogen generator into a single skid-mounted unit. Users simply need to connect the air inlet to an air compressor and the nitrogen outlet to the nitrogen application. This design greatly optimizes the user experience by eliminating the need for installation and commissioning, saving both space and time, while providing a more efficient and convenient gas supply solution.



## Technical Specification

|                       |                           |
|-----------------------|---------------------------|
| Nitrogen Purity       | 95~99.999%                |
| Nitrogen Flowrate     | 1~3000Nm <sup>3</sup> /hr |
| Nitrogen Dew Point    | -60~-30°C                 |
| Nitrogen Pressure     | 6~8Bar                    |
| Air Inlet Pressure    | 8 ~ 10Bar                 |
| Air Inlet Temperature | 20~35°C                   |
| Voltage/Frequency     | 220V/50~60Hz              |

**Note:** Specific requirements can be made upon request

## Product Specification

### KNA-SA

**Purity: 99%**

| Model      | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Unit Structure |
|------------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|----------------|
|            | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                |
| KNA-10SA   | 22.5                                              | 10                    | 15                       | 15     | KRD-015F        | Combined       |
| KNA-30SA   | 67.5                                              | 30                    | 20                       | 15     | KRD-026F        | Combined       |
| KNA-60SA   | 135                                               | 60                    | 25                       | 25     | KRD-039F        | Combined       |
| KNA-100SA  | 225                                               | 100                   | 32                       | 25     | KRD-070F        | Standard       |
| KNA-150SA  | 337.5                                             | 150                   | 40                       | 25     | KRD-085F        | Standard       |
| KNA-300SA  | 675                                               | 300                   | 50                       | 40     | KRD-140F        | Standard       |
| KNA-600SA  | 1350                                              | 600                   | 65                       | 50     | KRD-290F        | Standard       |
| KNA-1000SA | 2250                                              | 1000                  | 100                      | 65     | KRD-460F        | Standard       |

### KNA-SA+

**Purity: 99.5%**

| Model       | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Unit Structure |
|-------------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|----------------|
|             | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                |
| KNA-10SA+   | 27                                                | 10                    | 15                       | 15     | KRD-015F        | Combined       |
| KNA-30SA+   | 81                                                | 30                    | 20                       | 15     | KRD-026F        | Combined       |
| KNA-60SA+   | 162                                               | 60                    | 25                       | 20     | KRD-039F        | Combined       |
| KNA-100SA+  | 270                                               | 100                   | 32                       | 25     | KRD-070F        | Standard       |
| KNA-150SA+  | 405                                               | 150                   | 40                       | 32     | KRD-108F        | Standard       |
| KNA-300SA+  | 810                                               | 300                   | 50                       | 40     | KRD-220F        | Standard       |
| KNA-600SA+  | 1620                                              | 600                   | 65                       | 50     | KRD-365F        | Standard       |
| KNA-1000SA+ | 2700                                              | 1000                  | 100                      | 65     | KRD-550F        | Standard       |

### KNA-SB

**Purity: 99.9%**

| Model      | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Unit Structure |
|------------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|----------------|
|            | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                |
| KNA-10SB   | 33                                                | 10                    | 15                       | 15     | KRD-015F        | Combined       |
| KNA-30SB   | 99                                                | 30                    | 20                       | 15     | KRD-026F        | Combined       |
| KNA-60SB   | 198                                               | 60                    | 32                       | 20     | KRD-070F        | Standard       |
| KNA-100SB  | 330                                               | 100                   | 40                       | 25     | KRD-085F        | Standard       |
| KNA-150SB  | 495                                               | 150                   | 40                       | 32     | KRD-140F        | Standard       |
| KNA-300SB  | 990                                               | 300                   | 50                       | 40     | KRD-250F        | Standard       |
| KNA-600SB  | 1980                                              | 600                   | 80                       | 50     | KRD-420F        | Standard       |
| KNA-1000SB | 3300                                              | 1000                  | 100                      | 65     | KRD-700F        | Standard       |

## KNA-SB+

Purity: 99.95%

| Model       | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Unit Structure |
|-------------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|----------------|
|             | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                |
| KNA-10SB+   | 37                                                | 10                    | 15                       | 15     | KRD-015F        | Combined       |
| KNA-30SB+   | 111                                               | 30                    | 20                       | 15     | KRD-039F        | Combined       |
| KNA-60SB+   | 222                                               | 60                    | 25                       | 20     | KRD-070F        | Standard       |
| KNA-100SB+  | 370                                               | 100                   | 40                       | 25     | KRD-108F        | Standard       |
| KNA-150SB+  | 555                                               | 150                   | 50                       | 32     | KRD-140F        | Standard       |
| KNA-300SB+  | 1110                                              | 300                   | 65                       | 40     | KRD-250F        | Standard       |
| KNA-600SB+  | 2220                                              | 600                   | 80                       | 50     | KRD-460F        | Standard       |
| KNA-1000SB+ | 3700                                              | 1000                  | 100                      | 65     | KRD-800W        | Standard       |

## KNA-SC

Purity: 99.99%

| Model     | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Unit Structure |
|-----------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|----------------|
|           | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                |
| KNA-5SC   | 21                                                | 5                     | 15                       | 15     | KRD-015F        | Combined       |
| KNA-10SC  | 42                                                | 10                    | 15                       | 15     | KRD-015F        | Combined       |
| KNA-30SC  | 126                                               | 30                    | 25                       | 15     | KRD-039F        | Combined       |
| KNA-60SC  | 252                                               | 60                    | 32                       | 20     | KRD-070F        | Standard       |
| KNA-100SC | 420                                               | 100                   | 40                       | 20     | KRD-108F        | Standard       |
| KNA-150SC | 630                                               | 150                   | 50                       | 25     | KRD-170F        | Standard       |
| KNA-300SC | 1260                                              | 300                   | 65                       | 40     | KRD-290F        | Standard       |
| KNA-600SC | 2520                                              | 600                   | 100                      | 50     | KRD-550F        | Standard       |

## KNA-SC+

Purity: 99.995%

| Model      | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Unit Structure |
|------------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|----------------|
|            | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                |
| KNA-5SC+   | 23                                                | 5                     | 15                       | 15     | KRD-015F        | Combined       |
| KNA-10SC+  | 46                                                | 10                    | 15                       | 15     | KRD-026F        | Combined       |
| KNA-30SC+  | 138                                               | 30                    | 25                       | 15     | KRD-039F        | Combined       |
| KNA-60SC+  | 276                                               | 60                    | 32                       | 20     | KRD-070F        | Standard       |
| KNA-100SC+ | 460                                               | 100                   | 40                       | 20     | KRD-108F        | Standard       |
| KNA-300SC+ | 1380                                              | 300                   | 65                       | 40     | KRD-326F        | Standard       |
| KNA-500SC+ | 2300                                              | 500                   | 100                      | 50     | KRD-500F        | Standard       |
| KNA-600SC+ | 2760                                              | 600                   | 100                      | 50     | KRD-600F        | Standard       |

## KNA-SD

Purity: 99.999%

| Model     | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Unit Structure |
|-----------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|----------------|
|           | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                |
| KNA-5SD   | 26                                                | 5                     | 15                       | 15     | KRD-015F        | Combined       |
| KNA-10SD  | 52                                                | 10                    | 15                       | 15     | KRD-026F        | Combined       |
| KNA-20SD  | 104                                               | 20                    | 20                       | 15     | KRD-039F        | Combined       |
| KNA-30SD  | 156                                               | 30                    | 25                       | 15     | KRD-039F        | Combined       |
| KNA-60SD  | 312                                               | 60                    | 40                       | 20     | KRD-085F        | Standard       |
| KNA-100SD | 520                                               | 100                   | 50                       | 20     | KRD-140F        | Standard       |
| KNA-200SD | 1040                                              | 200                   | 65                       | 40     | KRD-250F        | Standard       |
| KNA-300SD | 1560                                              | 300                   | 65                       | 40     | KRD-365F        | Standard       |

Note: Customized Unit Acceptable

Technical specifications subject to change without notice

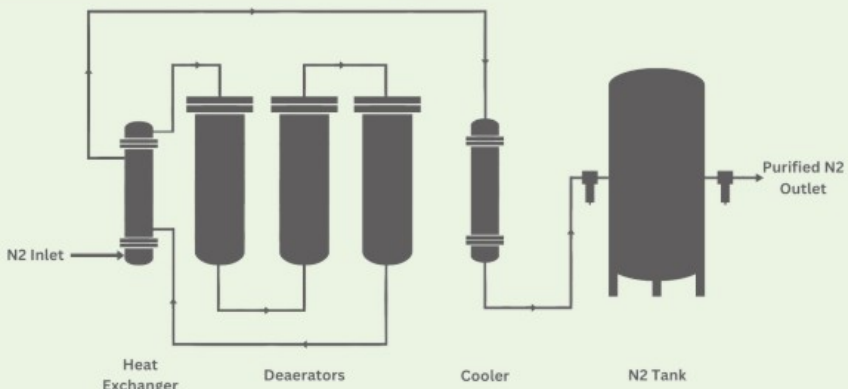
# Nitrogen Purifier

## Nitrogen Purification Principle

At a specific temperature, residual oxygen in the feed nitrogen reacts with the carbon-supported catalyst to form carbon dioxide. This is followed by pressure swing adsorption (PSA) technology to remove carbon dioxide and moisture. After further treatment with an efficient filtration system, high-purity nitrogen with a purity exceeding 99.999% is obtained.



## Process Flow Diagram



## Technical Specification

|                             |                            |
|-----------------------------|----------------------------|
| Purified Nitrogen Purity    | 99.999~99.9999%            |
| Purified Nitrogen Flow Rate | 50~1000Nm <sup>3</sup> /hr |
| Purified Nitrogen Dew Point | -60~-30°C                  |
| Purified Nitrogen Pressure  | 5~8Bar                     |
| Standard Nitrogen Pressure  | 6~9Bar                     |
| Inlet Temperature           | 20 ~ 35°C                  |
| Voltage/Frequency           | 380V/50~60Hz               |

**Note:** Specific requirements can be made upon request

## Product Specification

### KNC-SE

**Purity: 99.9999%**

| Model      | Standard N <sub>2</sub> to Purified N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                                | Catalyst Consumption Rate (kg) |
|------------|--------------------------------------------------------------------------------|--------------------------------|--------------------------------|
|            | N <sub>2</sub> Consumption Rate                                                | Purified N <sub>2</sub> Output |                                |
| KNC-50SE   | 55                                                                             | 50                             | 18                             |
| KNC-100SE  | 110                                                                            | 100                            | 38                             |
| KNC-150SE  | 165                                                                            | 150                            | 54                             |
| KNC-200SE  | 220                                                                            | 200                            | 72                             |
| KNC-300SE  | 330                                                                            | 300                            | 108                            |
| KNC-400SE  | 440                                                                            | 400                            | 144                            |
| KNC-500SE  | 550                                                                            | 500                            | 180                            |
| KNC-800SE  | 880                                                                            | 800                            | 304                            |
| KNC-1000SE | 1100                                                                           | 1000                           | 380                            |

**Note:** Customized Unit Acceptable  
Technical specifications subject to change without notice

# REVOLUTIONARY

## Modular Gas Generator

### Distinctive Features

#### Ultimate Flexibility

Our modular design allows for the addition of multiple aluminum module sets, enabling flexible and convenient adjustments to meet specific gas production needs (up to 7 sets per unit).

#### Multi Bank Integration

For customers with higher nitrogen demands, our modular equipment supports parallel operation without the need for additional standalone units. The multi-bank design allows up to three units to be controlled seamlessly by a single PLC (One Master Unit), offering enhanced scalability and efficiency.



### Modular Nitrogen Generator

#### New Gas Supply Solution, Fresh Gas Use Experience!

Unlike traditional multi-tower nitrogen generators, the new modular nitrogen generator features high-quality aluminum extrusion profile components, offering a more compact design and superior performance. Its innovative system architecture significantly simplifies the equipment structure, reducing both footprint and installation costs. The flexible design allows the unit to be easily placed anywhere in the production facility, providing you with an efficient and hassle-free nitrogen generation experience.



### Combined Modular Nitrogen Generator

#### One unit solves it all!

Our combined modular nitrogen generator cleverly integrates the refrigerated dryer, precision filtration system, air buffer tank, nitrogen buffer tank, and modular nitrogen generator into a single unit, fulfilling multiple functions with just one device. Users only need to connect the air inlet to the air compressor and the nitrogen outlet to the gas application for immediate nitrogen supply, no complex installation or commissioning required. The compact, all-in-one design saves space, boosts efficiency, and provides you with an efficient, convenient gas supply solution!



## Technical Specification

|                       |                          |
|-----------------------|--------------------------|
| Nitrogen Purity       | 95~99.999%               |
| Nitrogen Flowrate     | 1~220Nm <sup>3</sup> /hr |
| Nitrogen Dew Point    | -60~-30°C                |
| Nitrogen Pressure     | 6~8Bar                   |
| Air Inlet Pressure    | 8~10Bar                  |
| Air Inlet Temperature | 20 ~ 35°C                |
| Voltage/Frequency     | 220V/50~60Hz             |

**Note:** Specific requirements can be made upon request

## Product Specification

### KNA-MA

**Purity: 99%**

| Model     | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Nitrogen Buffer Tank Size (L) | Unit Structure | Unit Dimension (mm) |
|-----------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|-------------------------------|----------------|---------------------|
|           | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                               |                |                     |
| KNA-12MA  | 26.4                                              | 12                    | 15                       | 15     | KRD-015F        | 100                           | Combined       | 750*1100*1788       |
| KNA-25MA  | 55                                                | 25                    | 15                       | 15     | KRD-026F        | 200                           | Combined       | 750*1300*1788       |
| KNA-38MA  | 83.6                                              | 38                    | 15                       | 15     | KRD-026F        | 400                           | Standard       | 750*1100*1788       |
| KNA-51MA  | 112.2                                             | 51                    | 20                       | 15     | KRD-039F        | 600                           | Standard       | 750*1100*1788       |
| KNA-77MA  | 169.4                                             | 77                    | 25                       | 20     | KRD-070F        | 600                           | Standard       | 750*1100*1788       |
| KNA-128MA | 281.6                                             | 128                   | 32                       | 25     | KRD-070F        | 1000                          | Standard       | 750*1400*1788       |
| KNA-154MA | 338.8                                             | 154                   | 40                       | 25     | KRD-085F        | 1500                          | Standard       | 750*1550*1788       |
| KNA-180MA | 396                                               | 180                   | 40                       | 40     | KRD-108F        | 1500                          | Standard       | 750*1750*1788       |

### KNA-MA+

**Purity: 99.5%**

| Model      | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Nitrogen Buffer Tank Size (L) | Unit Structure | Unit Dimension (mm) |
|------------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|-------------------------------|----------------|---------------------|
|            | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                               |                |                     |
| KNA-11MA+  | 29.7                                              | 11                    | 15                       | 15     | KRD-015F        | 100                           | Combined       | 750*1100*1788       |
| KNA-22MA+  | 59.4                                              | 22                    | 15                       | 15     | KRD-026F        | 200                           | Combined       | 750*1300*1788       |
| KNA-33MA+  | 89.1                                              | 33                    | 15                       | 15     | KRD-026F        | 300                           | Standard       | 750*1100*1788       |
| KNA-44MA+  | 118.8                                             | 44                    | 20                       | 15     | KRD-039F        | 400                           | Standard       | 750*1100*1788       |
| KNA-66MA+  | 178.2                                             | 66                    | 25                       | 20     | KRD-070F        | 600                           | Standard       | 750*1100*1788       |
| KNA-110MA+ | 297                                               | 110                   | 32                       | 20     | KRD-070F        | 1000                          | Standard       | 750*1400*1788       |
| KNA-132MA+ | 356.4                                             | 132                   | 40                       | 25     | KRD-085F        | 1500                          | Standard       | 750*1550*1788       |
| KNA-154MA+ | 415.8                                             | 154                   | 40                       | 25     | KRD-108F        | 1500                          | Standard       | 750*1750*1788       |

### KNA-MB

**Purity: 99.9%**

| Model    | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Nitrogen Buffer Tank Size (L) | Unit Structure | Unit Dimension (mm) |
|----------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|-------------------------------|----------------|---------------------|
|          | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                               |                |                     |
| KNA-8MB  | 25.6                                              | 8                     | 15                       | 15     | KRD-015F        | 100                           | Combined       | 750*1100*1788       |
| KNA-16MB | 51.2                                              | 16                    | 15                       | 15     | KRD-015F        | 200                           | Combined       | 750*1300*1788       |
| KNA-24MB | 76.8                                              | 24                    | 15                       | 15     | KRD-026F        | 200                           | Combined       | 750*1480*1788       |
| KNA-32MB | 102.4                                             | 32                    | 20                       | 15     | KRD-026F        | 300                           | Standard       | 750*1100*1788       |
| KNA-48MB | 153.6                                             | 48                    | 25                       | 15     | KRD-039F        | 600                           | Standard       | 750*1100*1788       |
| KNA-63MB | 201.6                                             | 63                    | 25                       | 20     | KRD-070F        | 600                           | Standard       | 750*1100*1788       |
| KNA-80MB | 256                                               | 80                    | 32                       | 20     | KRD-070F        | 1000                          | Standard       | 750*1300*1788       |
| KNA-96MB | 307.2                                             | 96                    | 40                       | 20     | KRD-070F        | 1000                          | Standard       | 750*1400*1788       |

## KNA-MB+

Purity: 99.95%

| Model     | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Nitrogen Buffer Tank Size (L) | Unit Structure | Unit Dimension (mm) |
|-----------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|-------------------------------|----------------|---------------------|
|           | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                               |                |                     |
| KNA-11MB+ | 39.6                                              | 11                    | 15                       | 15     | KRD-015F        | 100                           | Combined       | 750*1300*1788       |
| KNA-20MB+ | 72                                                | 20                    | 15                       | 15     | KRD-026F        | 200                           | Combined       | 750*1480*1788       |
| KNA-27MB+ | 97.2                                              | 27                    | 20                       | 15     | KRD-026F        | 300                           | Standard       | 750*1100*1788       |
| KNA-41MB+ | 147.6                                             | 41                    | 25                       | 15     | KRD-039F        | 400                           | Standard       | 750*1100*1788       |
| KNA-55MB+ | 198                                               | 55                    | 25                       | 20     | KRD-070F        | 600                           | Standard       | 750*1300*1788       |
| KNA-69MB+ | 248.4                                             | 69                    | 32                       | 20     | KRD-070F        | 600                           | Standard       | 750*1400*1788       |
| KNA-83MB+ | 298.8                                             | 83                    | 32                       | 20     | KRD-070F        | 1000                          | Standard       | 750*1550*1788       |
| KNA-95MB+ | 342                                               | 95                    | 40                       | 20     | KRD-085F        | 1000                          | Standard       | 750*1750*1788       |

## KNA-MC

Purity: 99.99%

| Model    | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Nitrogen Buffer Tank Size (L) | Unit Structure | Unit Dimension (mm) |
|----------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|-------------------------------|----------------|---------------------|
|          | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                               |                |                     |
| KNA-10MC | 42                                                | 10                    | 15                       | 15     | KRD-015F        | 100                           | Combined       | 750*1300*1788       |
| KNA-15MC | 63                                                | 15                    | 15                       | 15     | KRD-026F        | 200                           | Combined       | 750*1480*1788       |
| KNA-20MC | 84                                                | 20                    | 20                       | 15     | KRD-026F        | 200                           | Standard       | 750*1100*1788       |
| KNA-30MC | 126                                               | 40                    | 20                       | 15     | KRD-039F        | 300                           | Standard       | 750*1100*1788       |
| KNA-40MC | 168                                               | 40                    | 25                       | 15     | KRD-070F        | 400                           | Standard       | 750*1100*1788       |
| KNA-50MC | 210                                               | 50                    | 25                       | 15     | KRD-070F        | 600                           | Standard       | 750*1300*1788       |
| KNA-60MC | 252                                               | 60                    | 32                       | 20     | KRD-070F        | 600                           | Standard       | 750*1400*1788       |
| KNA-70MC | 294                                               | 70                    | 32                       | 20     | KRD-085F        | 600                           | Standard       | 750*1550*1788       |

## KNA-MC+

Purity: 99.995%

| Model     | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Nitrogen Buffer Tank Size (L) | Unit Structure | Unit Dimension (mm) |
|-----------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|-------------------------------|----------------|---------------------|
|           | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                               |                |                     |
| KNA-7MC+  | 31.5                                              | 7                     | 15                       | 15     | KRD-015F        | 100                           | Combined       | 750*1300*1788       |
| KNA-13MC+ | 58.5                                              | 13                    | 15                       | 15     | KRD-026F        | 200                           | Combined       | 750*1480*1788       |
| KNA-18MC+ | 81                                                | 18                    | 20                       | 15     | KRD-026F        | 200                           | Standard       | 750*1100*1788       |
| KNA-26MC+ | 117                                               | 26                    | 20                       | 15     | KRD-039F        | 300                           | Standard       | 750*1100*1788       |
| KNA-35MC+ | 157.5                                             | 35                    | 25                       | 15     | KRD-039F        | 400                           | Standard       | 750*1300*1788       |
| KNA-44MC+ | 198                                               | 44                    | 25                       | 15     | KRD-070F        | 400                           | Standard       | 750*1400*1788       |
| KNA-53MC+ | 238.5                                             | 53                    | 25                       | 20     | KRD-070F        | 600                           | Standard       | 750*1550*1788       |
| KNA-62MC+ | 279                                               | 62                    | 32                       | 20     | KRD-085F        | 600                           | Standard       | 750*1750*1788       |

## KNA-MD

Purity: 99.999%

| Model    | Air to N <sub>2</sub> Ratio (Nm <sup>3</sup> /hr) |                       | Inlet & Outlet Size (DN) |        | Air Dryer Model | Nitrogen Buffer Tank Size (L) | Unit Structure | Unit Dimension (mm) |
|----------|---------------------------------------------------|-----------------------|--------------------------|--------|-----------------|-------------------------------|----------------|---------------------|
|          | Air Consumption                                   | N <sub>2</sub> Output | Inlet                    | Outlet |                 |                               |                |                     |
| KNA-6MD  | 31.2                                              | 6                     | 15                       | 15     | KRD-015F        | 50                            | Combined       | 750*1300*1788       |
| KNA-10MD | 52                                                | 10                    | 15                       | 15     | KRD-026F        | 100                           | Combined       | 750*1480*1788       |
| KNA-14MD | 72.8                                              | 14                    | 20                       | 15     | KRD-026F        | 150                           | Combined       | 750*1480*1788       |
| KNA-20MD | 104                                               | 20                    | 20                       | 15     | KRD-039F        | 200                           | Standard       | 750*1100*1788       |
| KNA-28MD | 145.6                                             | 28                    | 25                       | 15     | KRD-039F        | 300                           | Standard       | 750*1300*1788       |
| KNA-35MD | 182                                               | 35                    | 25                       | 15     | KRD-070F        | 400                           | Standard       | 750*1400*1788       |
| KNA-42MD | 210                                               | 42                    | 25                       | 15     | KRD-070F        | 400                           | Standard       | 750*1550*1788       |
| KNA-50MD | 260                                               | 50                    | 32                       | 15     | KRD-070F        | 600                           | Standard       | 750*1750*1788       |

Note: Customized Unit Acceptable

Technical specifications subject to change without notice