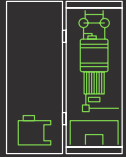


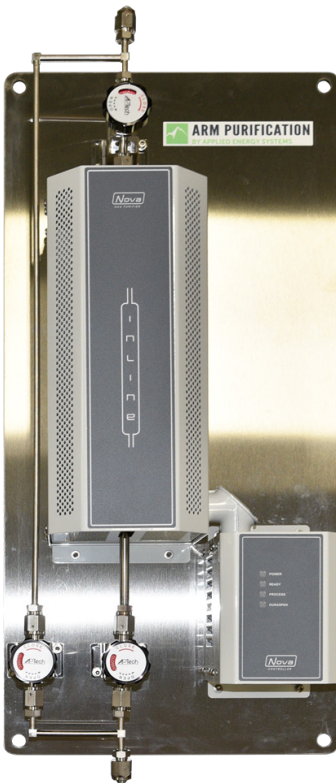


ARM PURIFICATION
BY APPLIED ENERGY SYSTEMS



NOVA™ Rare Gas Purifier

Heated Getter Technology



SPECIFICATIONS

GASES PURIFIED

- Ar, He, Ne, Xe, Kr

DESIGN FLOW RATE

up to 10 slpm

IMPURITIES REMOVED

- Oxygen (O₂) < 1 ppb
- Carbon Monoxide (CO) < 1 ppb
- Carbon Dioxide (CO₂) < 1 ppb
- THC (as CH₄) < 1 ppb
- Moisture (H₂O) < 1 ppb
- Hydrogen (H₂) < 1 ppb
- Nitrogen (N₂) < 1 ppb

MAXIMUM PRESSURE

150 PSIG

FILTRATION

Standard 1.5 nm

HOUSING MATERIAL

316L Stainless Steel

MANUAL BYPASS VALVES INCLUDED

LIFETIME INDICATOR

REMOTE ELECTRONICS



ARM PURIFICATION
BY APPLIED ENERGY SYSTEMS

BROUGHT TO YOU BY



www.appliedenergysystems.com

180 Quaker Lane
Malvern, PA 19355
610.647.8744

purification@appliedenergysystems.com

www.armpurification.com

Nova Series Key Features & Applications

Flow Rate Versatility

Allows for **flow rates of up to 10 slpm**.

Quality Materials

Utilizes high purity **316L stainless steel with electropolished, wetted surfaces**.

Optimized Design

Leverages **front panel status indicators** and a preset temperature controller.

Ease of Installation

Offers a **compact, sturdy steel-vented enclosure, and a wall-mountable panel** for ease of installation.

Flexible Power Options

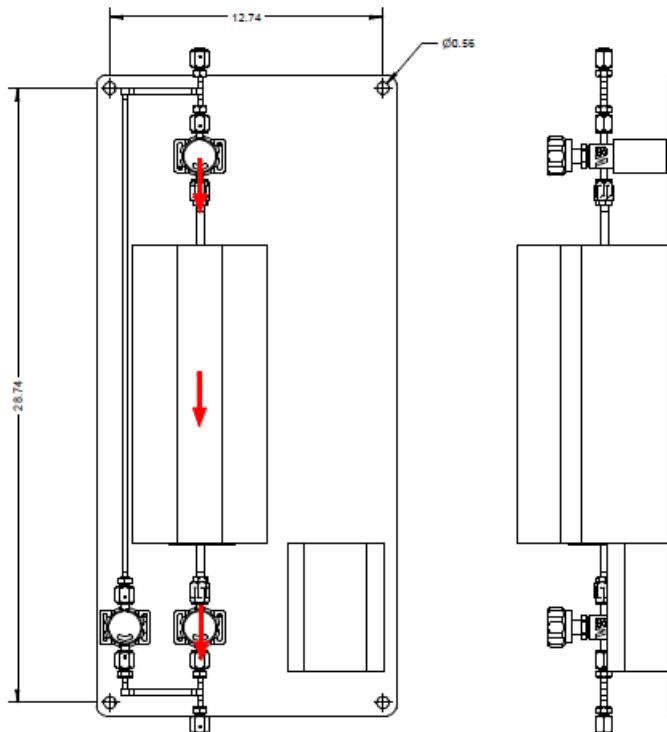
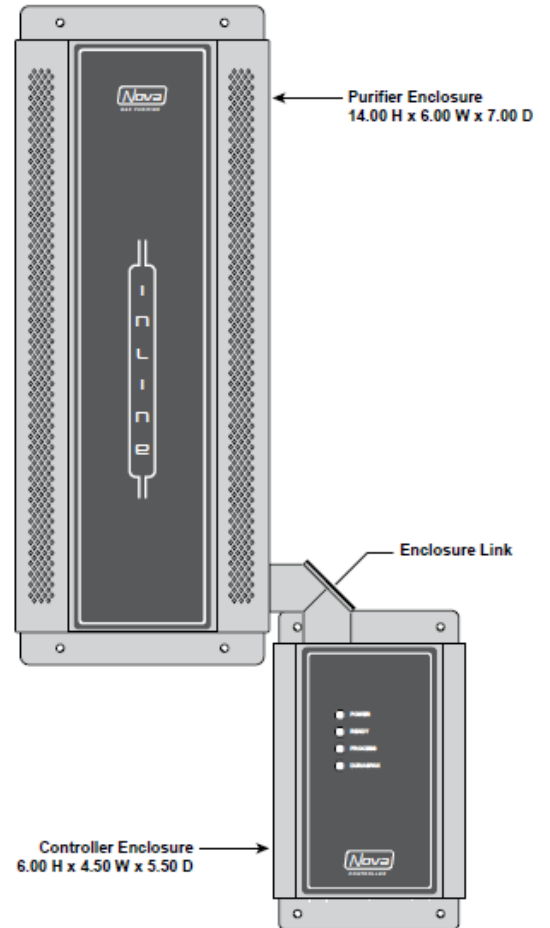
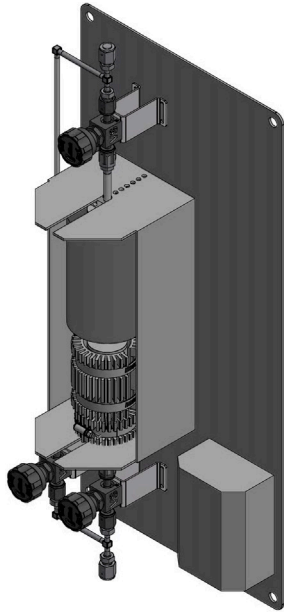
Integrates with a number of power input options (see **page 4**).

Applications

The Nova™ Series Purifiers are optimized for a variety of high-precision applications, including:

- » Semiconductors & Electronics
- » Clean Energy & Solar
- » Pharmaceuticals & Biotechnology
- » Industrial Manufacturing
- » Universities & Research Labs

Nova Series Dimensions



Nova Series Power Options

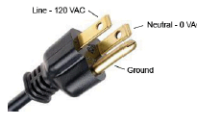
Power Receptacle Requirements

All NOVA models are for use with single-phase power sources only and require properly grounded and polarized receptacles as shown in the diagrams below.

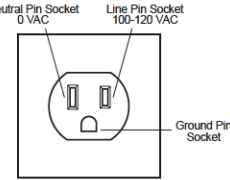
Before plugging in the power cord, verify that power receptacle AC voltage and polarity is correct by measuring voltage with a voltmeter. Measure 0 volts between **Neutral** and **Ground**. Measure Line voltage shown between **Line** and **Ground**. Incorrect voltage or polarity will damage the Purifier electronic controls or may prevent the Purifier from heating correctly.

100-120 VAC, 1 Ø, 50-60 Hz

POWER FUSE INSTALLED: 5 A
REQUIRES GROUNDED AND POLARIZED RECEPTACLE



NOVA PURIFIER POWER CORD WITH NEMA 5-15P PLUG




NEMA 5-15 TYPE RECEPTACLE WITH GROUND PIN SOCKET

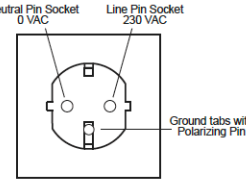
220-240 VAC, 1 Ø, 50-60 Hz

POWER FUSE INSTALLED: 2.5 A
REQUIRES GROUNDED AND POLARIZED RECEPTACLE

NOTE: Use of non-polarized receptacles such as CEE 7/4 type (Shuko) is not permitted and will damage the Purifier electronic controls if incorrect polarity is encountered.



NOVA PURIFIER POWER CORD WITH CEE 7/7 PLUG

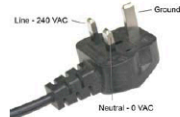


CEE 7/7 TYPE RECEPTACLE WITH GROUND POLARIZING PIN

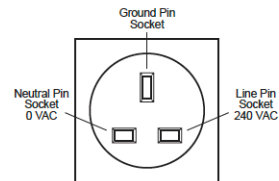
220-240 VAC, 1 Ø, 50-60 Hz

POWER FUSE INSTALLED: 2.5 A
REQUIRES GROUNDED AND POLARIZED RECEPTACLE

NOTE: Purifier power cord plug also includes a replaceable 13A safety fuse.



NOVA PURIFIER POWER CORD WITH BS1363 PLUG

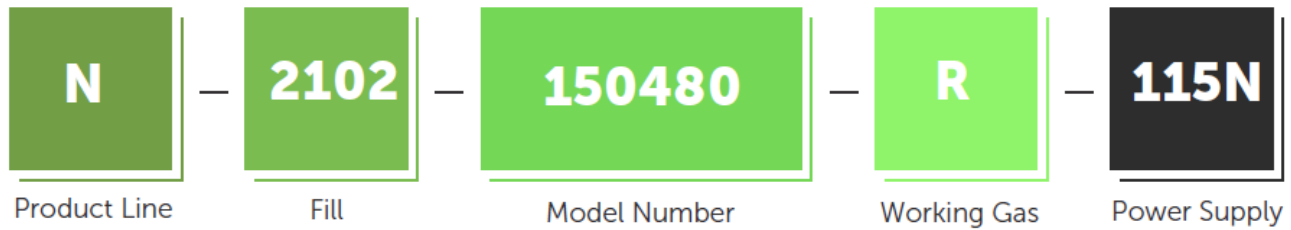


BS1363 TYPE RECEPTACLE WITH GROUND PIN SOCKET

Nova Series Ordering Information

ORDERING INFORMATION

Example: NOVA Rare Gas Purifier



Product Line

N - Nova Series

Working Gas

R- Rare Gases that contain < 10 ppm N₂

Fill*

2102 -Rare Gas Media

Power Supply

115N - 115V with Nema plug
 230C - 230V with CEE 7/7 plug
 230B - 230V with BS 1363 plug

Model Number

150480 - for flow rates up to 5 slpm
 200880 - for flow rates up to 10 slpm

* Other options available for hydrogen and nitrogen, and mixtures containing > 10 ppm N₂

DON'T SEE WHAT YOU NEED?

Speak to our team about your requirements and we can work with you to identify the purifier solution best suited for your application.

Place an Order
orders@appliedenergysystems.com

Contact your ARM Purification sales rep or visit armpurification.com/request-quote/

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