



# Technical Datasheet

## RPB® Nova 3® Respirator

### DESCRIPTION

The Nova 3 is a supplied air, loose fitting, heavy industry respirator designed for all forms of abrasive blasting and other industrial applications where there is a need for respiratory, eye, face, head and hearing protection.

This respirator does not require face fit testing.

**The Nova 3 offers a number of optional accessory items, including:**

	Part #
Nova 3 Talk™ in-helmet communication system (requires radio connection cable)	09-903
L4™ Light helmet mounted light	09-502

### Type description

Loose fitting continuous flow supplied air or powered air respirator.

### NIOSH approved packages

	Part #
Nova 3 with standard nylon cape, breathing tube, C40™ Climate Control Device	NV3-705-50

### CE & AS/NZS approved packages

	Part #
Nova 3 with standard nylon cape, breathing tube, constant flow device	NV3-711-50
Nova 3 with standard nylon cape, breathing tube, C40™ Climate Control Device	NV3-715-50

Additional configurations are available.

### Required components

- Nova 3 respirator head-top
- Cape or blast jacket
- Breathing tube
- Flow control device and breathing airline or RPB PAPR

### Application ranges (including but not limited to the following)

Abrasive blasting, metal cutting/grinding, fettling, thermospray/metallization.



RPB Nova 3 respirator head top.

### APPROVALS & STANDARDS

**ISO9001**  
CERTIFIED COMPANY

**NIOSH**  
National Institute for Occupational Safety and Health  
Type CE SAR

**CE 2797**  
**UK CA 0086**  
EN14594:2005 4B  
EN12941:1998  
+A2:2008 TH3 P R SL  
RESPIRATORY PROTECTION  
EN397:2003+A1:2009  
HARD HAT PROTECTION  
IMPACT CLAUSES  
EN166:2001 CLASS 1B  
EYE & FACE PROTECTION

**ANSI**  
Z89.1  
HARD HAT PROTECTION  
Type 1 Class C

Z87+  
EYE & FACE PROTECTION

PRODUCT CERTIFICATION  
**BSI**  
BSI Certified Product  
AS/NZS 1716:2012  
BMP# 714303  
RESPIRATORY PROTECTION  
AS/NZS 1801:1997  
BMP# 714306  
HARD HAT PROTECTION  
AS/NZS 1337.1:2010  
BMP# 714304  
EYE & FACE PROTECTION

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## RPB® Nova 3® Respirator (continued)

### SPECIFICATIONS

#### Assigned Protection Factor

NIOSH	APF 1000+
CE & AS/NZS	APF 40 (TH3) NPF 500

#### Materials

Nylon	Injection molded parts, cape
Polyurethane foam	Silencer foam, comfort padding
Polystyrene	Impact absorber
Polycarbonate	Inner lens
Santoprene	Cape cover band
A-PET	Outer lens
PETG	Tear-off lenses

#### Noise rating

Helmet with ear pads	NRR 7
Helmet with ear pads and bell shaped foam ear plugs with an NRR of 31	NRR 33

#### Operating temperature

14°F to 140°F / -10°C to 60°C

#### Storage temperature

14°F to 113°F / -10°C to 45°C <90%RH

#### Weight

Nova 3 with standard cape	4.0lbs / 1.8kg
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#### Warranty

1 year. Conditions apply, visit [rpbsafety.com/legal](https://rpbsafety.com/legal) for full details.

### REQUIRED COMPONENT OPTIONS

#### NIOSH approved breathing airlines - standard hose

Fitting type	Hose length	Part #
RPB	25ft breathing airline	NV2028
	50ft breathing airline	NV2029
	100ft breathing airline	NV2027
Schrader	25ft breathing airline	04-342-25
	50ft breathing airline	04-342-50
	100ft breathing airline	04-342-100
RZ	25ft breathing airline	04-352-25-RZ
	50ft breathing airline	04-352-50-RZ
	100ft breathing airline	04-352-100-RZ

Standard hoses maximum working length - 300ft  
Max working pressure - 300psi

#### NIOSH approved breathing airlines - recoil hose

Fitting type	Hose length	Part #
RPB	15ft recoil hose*	04-412-15
	25ft recoil hose*	04-412-25
Schrader	15ft recoil hose*	04-442-15
	25ft recoil hose*	04-442-25

Recoil hose maximum working length - 1 hose  
Max working pressure - 300psi

#### CE & AS/NZS approved breathing airlines - standard hose

Fitting type	Hose length	Part #
CEJN	7.5m breathing airline	04-322-25
	15m breathing airline	04-322-50
	30m breathing airline	04-322-100

Max working length - 90m  
Max working pressure - 20.7bar  
Refer to instruction manual for more detail

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## RPB® Nova 3® Respirator (continued)

### REQUIRED COMPONENT OPTIONS

#### Fittings and couplers

NIOSH	RPB Quick Connect
	Schrader Twist Connect
	RPB RZ Quick Connect
CE & AS/NZS	CEJN 342 Double Action Safety Coupler

#### NIOSH approved flow control devices Part #

C40™ Climate Control Device	03-501
Cool Tube	4000-01
Hot Tube	4000-20
Flow Control Valve	NV2016
Constant Flow Valve	03-101
PX5® PAPR	03-801

Other NIOSH flow control device and fitting combinations available

#### CE & AS/NZS approved flow control devices Part #

C40™ Climate Control Device	03-502
Constant Flow Valve	03-102
PX4 Air® PAPR	03-901-G

#### Cape options Part #

Nylon cape	NV3-750
Extra length nylon cape	NV3-751
Leather cape	NV3-752
Extra length leather cape	NV3-753
Blast jacket XL	NV3-754
Blast jacket XXL	NV3-755

### ACCESSORIES & CONSUMABLES

#### Padding sizes (thickness) Part #

5mm	A05
10mm - standard on all new helmets	A10
15mm	A15
20mm	A20

### LENS OPTIONS

#### Required lenses Part #

Inner lens	NV3-722
Outer lens	NV3-724
Tear-off lens	NV3-725

#### Alternative lenses Part #

Cassette lens	NV3-745
(bonded outer lens with 5 tear-off lenses)	
Tinted inner lens (for metal spray)	NV3-722-T



#### Employers

Read the Nova 3 and the flow control device instruction manual and carry out the employer responsibilities.

Provide the manuals to all users.

#### Product users

Read the Nova 3 and the flow control device instruction manual and follow the product user safety instructions.

Manuals are regularly updated.

#### Current version of manual and for other languages:

[rpbafety.com/resources](http://rpbafety.com/resources)

#### Contact

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