



# Technical Datasheet

## RPB® T100™ Respirator

### DESCRIPTION

The T100 Series respirators can be used for general purpose applications, including pharmaceutical manufacturing, chemical and pesticide handling, tank cleaning, spray painting and other industrial or agricultural applications in which respiratory protection is needed.

#### Type description

Loose fitting continuous flow supplied air respirator or powered air purifying respirator.

#### Required components

- T100 respirator hood
- Breathing tube
- Flow control device and breathing airline or PX4 Air® PAPR

#### Package numbers

#### Part #

T100 Tychem® 2000 Hood with breathing tube and constant flow valve

07-101

Additional configurations are available.

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

Spray painting and coating, chemical, pesticides and materials handling, waste management.



07-110 RPB T100 respirator

### APPROVALS & STANDARDS

**ISO9001**  
CERTIFIED COMPANY

National Institute for Occupational Safety and Health  
**NIOSH**  
PAPR & SAR

**ANSI**  
Z87+  
EYE AND FACE PROTECTION  
Not all configurations conform to this standard.  
Please visit [rpb.com](http://rpb.com) for more details.



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## RPB® T100™ Respirator (continued)

### SPECIFICATIONS

#### Assigned Protection Factor

NIOSH APF 1000+

#### Materials

Tychem® 2000 Cape, face seal

Tychem® 4000 Cape, face seal with sealed seams

Polyurethane Breathing tube, silencer foam

LDPE Head suspension

Polycarbonate Lens clips

PETG Lens, peel-off lenses

#### 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

Tychem® 2000 Hood with standard lens 0.64lbs / 290g

#### Warranty

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

### REQUIRED COMPONENT OPTIONS

#### NIOSH breathing airlines - standard hose

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

Standard hoses max working length - 300ft

Max working pressure - 300psi

Refer to instruction manual for more detail



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## RPB® T100™ Respirator (continued)

### REQUIRED COMPONENT OPTIONS

#### Fittings and couplers

NIOSH	RPB Quick Connect Schrader Twist Connect RPB RZ Quick Connect
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Flow control devices	Part #
Silenced Cold Air Tube	4000-40
Constant Flow Valve	03-101
Flow Control Valve	NV2016
PX4 Air® PAPR	03-901

Hood options	Part #
Tychem® 2000 hood with standard lens	07-110
Tychem® 4000 hood with safety lens, sealed seams and extra length bib	07-150-XS

Lens options
Standard lens
Safety lens (ANSI Z87+ high velocity impact for eye and face)



#### Employers

Read the T100 respirator and the flow control device instruction manuals and carry out the employer responsibilities.

Provide the manuals to all users.

#### Product users

Read the T100 respirator and the flow control device instruction manuals and follow the product user safety instructions.

Manuals are regularly updated.

**Current version of manual and for other languages:**  
[rpb.com/resources](http://rpb.com/resources)

#### Contact

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