

Ordering Information

CATALOG NUMBER	DESCRIPTION
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Blower Assembly

PA1	Complete Blower Assembly with 10 hour battery and Low Voltage Alarm
PA2	Complete Blower Assembly with 6 hour battery (Order appropriate headtop, breathing tube, and battery charger separately.)

Battery Chargers

PA1SMC	Quick Charger for PA1
PA1STC	Standard Charger for PA1
PA1GC	5-Unit Gang Charger for PA1
PA2SMC	Quick Charger for PA2
PA2STC	Standard Charger for PA2

Hoods

20TJ	Tychem QC Hood (10 per box)
20TJN	Tychem QC Hood – No suspension (10 per box)
20TIC	Tychem QC Hood with inner bib (10 per box)
20TICN	Tychem QC Hood with inner bib – No suspension (10 per box)
20TICH	Tychem QC Hood for use with Bullard hard hat (5 per box)
20TICS	Tychem QC Hood with taped and sealed seams (5 per box)
20TICSN	Tychem QC Hood with taped and sealed seams – No suspension (5 per box)
20SIC	Tychem SL Hood with taped and sealed seams (5 per box)
20SICN	Tychem SL Hood with taped and sealed seams – No suspension (5 per box)
20SICH	Tychem SL Hood for use with Bullard hard hat (5 per box)

Hard Hats for Use with 20TICH and 20SICH Hoods

C30	Hard Hat with 6-point suspension
C30R	Hard Hat with 6-point ratchet suspension
S51	Hard Hat with 4-point suspension
S51R	Hard Hat with 4-point ratchet suspension

CATALOG NUMBER	DESCRIPTION
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Loose Fitting Facepieces

20LFM	Tychem QC Loose Fitting Facepiece, Small-Medium (5 per box)
20LFL	Tychem QC Loose Fitting Facepiece, Large (5 per box)

Breathing Tubes

PA1BT	Breathing Tube for Hoods (26" standard length)
PA1BTXS	Breathing Tube for Hoods (22" length)
PA20LFBT	Breathing Tube for Loose Fitting Facepieces (33" Standard Length)
PA20LFBTXS	Breathing Tube for Loose Fitting Facepieces (26" Short Length)

Replacement Parts and Accessories

PA1AF1	Air Flow Indicator
PA1FG3	Filter/Gasket Assembly (pack of 3)
PA1FGBP	Filter/Gasket Assembly (pack of 36)
S18051	Breathing Tube Clamp (pack of 10)
PA1SB	Standard Belt/Comfort Pad
PA1DB	Decon Belt/Comfort Pad
PA1EB	Extension Belt
PA1DEB	Decon Extension Belt
PA1LSK	Blower Latch and Screw Kit
PA1BTS	Breathing Tube Seal
20LCL	Adhesive Edged Mylar Lens Covers for hoods
20TG	Adjustable Headband Suspension for hoods
20RT	Adjustable Ratchet Headband Suspension for hoods
20NC	Elastic Chinstrap for hoods
RS6PC	6-Point Suspension for model C30 hard hats
RS6RC	6-Point Ratchet Suspension for model C30R hard hats
RS4PC	4-Point Suspension for model S51 hard hats
RS4RC	4-Point Ratchet Suspension for model S51R hard hats
ES42	Chinstrap for models C30 and S51 hard hats



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Easy to Use, Comfortable, Reliable

The PA20 Series Powered Air-Purifying Respirator (PAPR) offers workers a constant, reliable flow of air for up to 10 hours. Using a high efficiency particulate (HEPA) filter, the PA20 protects the wearer from particulate hazards encountered in a wide variety of job applications. The PA20 is approved by NIOSH for use with a range of Tychem® hoods and loose fitting facepieces.

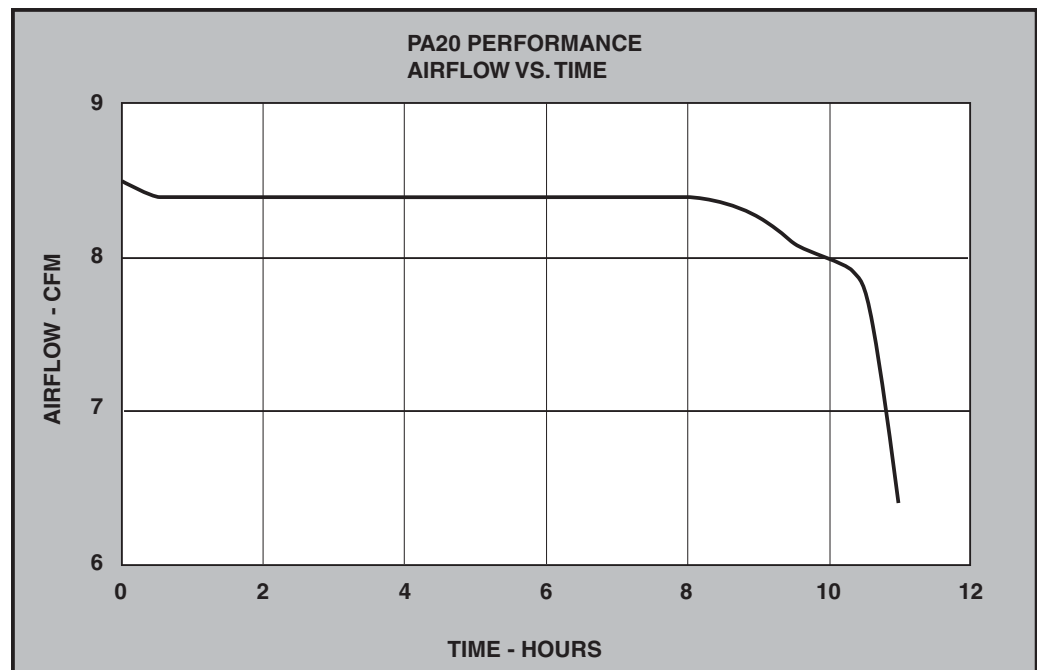
A complete PA20 Series Respirator consists of four components:

1. PA1 or PA2 Blower Assembly with HE filter
2. Tychem Hood or Loose Fitting Facepiece
3. Breathing Tube
4. Battery Charger



PA1 Blower Unit with 20SIC Hood

PA20 Performance



*Performance of a fully configured PA20 System: PA1 Blower Unit and 20TIC Hood

Features and Benefits

Component	Feature	Benefit
Motor	Wear Protected Internal Motor Components	<ul style="list-style-type: none"> • Lower noise levels to the user's ear • Longer life • Lower lifetime operating and maintenance costs
Battery	Nickel Metal Hydride (NiMH) Battery Cells	<ul style="list-style-type: none"> • No adverse memory effect • Reduced disposal concern – Environmentally responsible • 30% lighter than NiCad cells for greater comfort and reduced fatigue
Electronics (PA1 only)	Voltage Regulation	<ul style="list-style-type: none"> • Consistent air flow throughout battery life
	Unique "In the Ear" Warning System for Low Battery Indication	<ul style="list-style-type: none"> • Increased safety awareness
Filter	Low Resistance	<ul style="list-style-type: none"> • Superior air volume delivery
	Large Surface Area	<ul style="list-style-type: none"> • Longer filter life
Design Engineering	Fully Integrated Unit (Battery, Filter, Motor)	<ul style="list-style-type: none"> • Protection of all components • Easy to decontaminate • More comfortable – less bulk • Only one filter needed
	Positive Locking/Sealing Clamp System	<ul style="list-style-type: none"> • Filter seal integrity assures maximum user protection
	Comfort Pad on Belt	<ul style="list-style-type: none"> • Comfort and reduced fatigue
	Corrugated Breathing Tube	<ul style="list-style-type: none"> • Crush-proof, kink-proof, delivers low battery warning alarm
	Air Flow Test Indicator	<ul style="list-style-type: none"> • Assure user of sufficient air flow rate
	Headpieces also available for supplied air use	<ul style="list-style-type: none"> • Lower cost of inventories and convenience of common parts



PA20 Blower
with 20LFL loose-fitting facepiece

PA20 Powered Air-Purifying Respirator

Technical Specifications

	PA1 Blower Unit	PA2 Blower Unit
Dimensions.....	6 $\frac{3}{8}$ "W x 6 $\frac{3}{8}$ "L x 5 $\frac{3}{4}$ "H (16.2 x 16.2 x 14.6 cm)	6 $\frac{3}{8}$ "W x 6 $\frac{3}{8}$ "L x 5 $\frac{3}{4}$ "H (16.2 x 16.2 x 14.6 cm)
Weight (complete assembly with hood)	3.2 lbs. (1469 g)	2.6 lbs. (1158 g)
Housing Material.....	White engineered polymer	White engineered polymer
Belt Material.....	Nylon with Padded Comfort Belt (Vinyl Decon version available)	Nylon with Padded Comfort Belt (Vinyl Decon version available)
Air Flow (with properly charged battery and new filter)	≥ 7.5 cfm	≥ 7.5 cfm
Battery Service Life (fully charged operating cycle and clean filter)	10 hours	6 hours
Noise Level.....	≤ 66 dbA	≤ 66 dbA
Low Voltage Alarm Sound Level (at ear)	≤ 77dbA	Not Available
Batteries	NiMH, 4.8V @ 8000 mA hr. nominal	NiMH, 4.8V @ 4000 mA hr. nominal
Warranty	Blower Components.....12 months (parts and labor) Batteries and charger.....12 months (parts only)	

WARNING

- The PA20 respirator does not supply oxygen.
- Use only in adequately ventilated areas containing at least 19.5% oxygen.
- Do not use when concentrations of contaminants are immediately dangerous to life or health.
- Do not use these respirators for respiratory protection during abrasive blasting.
- Do not use in circumstances where the airborne concentration level of contaminant exceeds maximum use concentration for this type of respirator as established by regulatory standards.
- Leave area immediately if:
 - Breathing becomes difficult;
 - Dizziness or other distress occurs;
 - You taste or smell the contaminant
 - Unit becomes damaged;
 - Low voltage alarm sounds.
- Use strictly in accordance with instructions, labels and limitations pertaining to the PA20 respirator in use.
- This apparatus must not be worn with the blower unit switched off. If switched off, a rapid build-up of carbon dioxide and depletion of oxygen may occur, which could result in death or serious injury.
- Never alter or modify this respirator. Use only NIOSH approved PA20 components and replacement parts for this respirator.

Failure to follow all of these instructions could result in death or serious injury.