








# 3M™ Jupiter™ Powered Air Turbo Ready To Use Kit

## Technical Data Sheet

### Main Features

The 3M™ Jupiter™ Ready To Use Kit is a ready to use system containing a 3M™ Jupiter™ Powered Air Turbo Unit including decontamination comfort belt plus belt clip, filter covers, airflow indicator and calibration tube, one pair of

A2P combination filters to protect against organic gases/ vapors and particles, 2 pairs of prefilter pads, one lightweight polyurethane (PU) breathing tube, a rechargeable 8-hr battery (NiMH) and an intelligent battery charger.

Part No.	Contents	Description	Icon
085-00-10P	3M™ Jupiter™ Powered Air Turbo Unit	3M™ Jupiter™ Powered Air Turbo Unit, Decontamination Belt and Clip, Airflow Indicator and Calibration Tube	
453-00-25P2	2 x A2P Filters	Organic gases & vapors, and particles	
461-00-02P2	2 x pairs Prefilter pads	Filter accessories	
008-00-42P	QRS Breathing Tube	Lightweight PU breathing tube*	
007-00-64P	8h Battery	Rechargeable NiMH Battery	
003-00-58PEU 003-00-58PUK	Battery charger	European UK	

\* The breathing tube supplied with the Jupiter Ready To Use kit is not approved for use with the 3M S-Series headtops and should not be used in combination with these headtops. Please see S-Series literature for further information on 3M approved breathing tubes with 3M™ Jupiter™ Turbo.

### Benefits of the 3M™ Jupiter™ Powered Air Turbo Ready To Use Kit

- Small profile of the Jupiter™ Turbo Unit allows good freedom of movement – especially in smaller spaces.
- Smooth shape of the Jupiter™ Turbo Unit, belt and filters allows easy cleaning and decontamination.
- Ergonomically designed Turbo Unit and comfort belt improve user comfort.
- Electronic alarm gives visual and audible warning of low airflow and/or low battery.
- Simple calibration method can be easily performed by the user.
- Low maintenance design.
- Rechargeable 8-hr battery with intelligent charger.
- Nickel Metal Hydride (NiMH) batteries provide longer duration with less weight.
- A2P combination filters provide protection against organic gases/vapors and particles.
- Filter covers protect the filters against dirt and mechanical impacts.
- Prefilters increase the service life of the particulate filters.



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The 3M™ Jupiter™ Turbo Ready To Use Kit can be combined with the following 3M headtops\*:

- 100 Series: – Lightweight hoods, covering a range of applications
- 400 Series: – Visor headtops with acetate or polycarbonate lens for eye and face protection
- 700 Series: – helmet headtops for combined respiratory, head, eye and face protection
- 800 Series: – bump caps and safety helmets for combined respiratory, head, eye and face protection



## Approvals

The 3M Jupiter™ Powered Air Turbo Unit, when used with an approved 3M headtop, meets the Basic Safety Requirements under Articles 10 and 11B of the EC Directive 89/686/EEC and thus carries the CE mark.

The product was examined at the design stage by British Standards Institution, Product Services, Maylands Avenue, Hemel Hempstead, Hertfordshire, HP2 4QS, England (Notified body Number 0086).

Headtop Series	Respiratory Protection			Eye and Face Protection		Head Protection	
	Protection class	NPF**	Standard	Protection class	Standard	Type	Standard
HT-121/125	TH2	50	EN12941	–	–	–	–
HT-152	TH3	500	EN12941	–	–	–	–
HT-401	TH2	20	EN12941	2:F:3 (low energy impact)	EN166	–	–
HT-402	TH2	50	EN12941	2:B:3:9 (medium energy impact)	EN166	–	–
HT-701	TH2	50	EN12941	2:B:3 (medium energy impact)	EN166	Industrial safety helmet	EN397
HT-820	TH2	50	EN12941	2:B:3:9 (medium energy impact)	EN166	Bump cap	EN812
HT-840/880	TH2	50	EN12941	2:B:3:9 (medium energy impact)	EN166	Industrial safety helmet	EN397

\* The breathing tube supplied with the Jupiter-RTU kit is not approved for use with the 3M S-Series headtops and should not be used in combination with these headtops. Please see S-Series information for further information on 3M approved breathing tubes.

\*\* NPF = Nominal Protection Factor as multiple of Threshold Limit Value (TLV)

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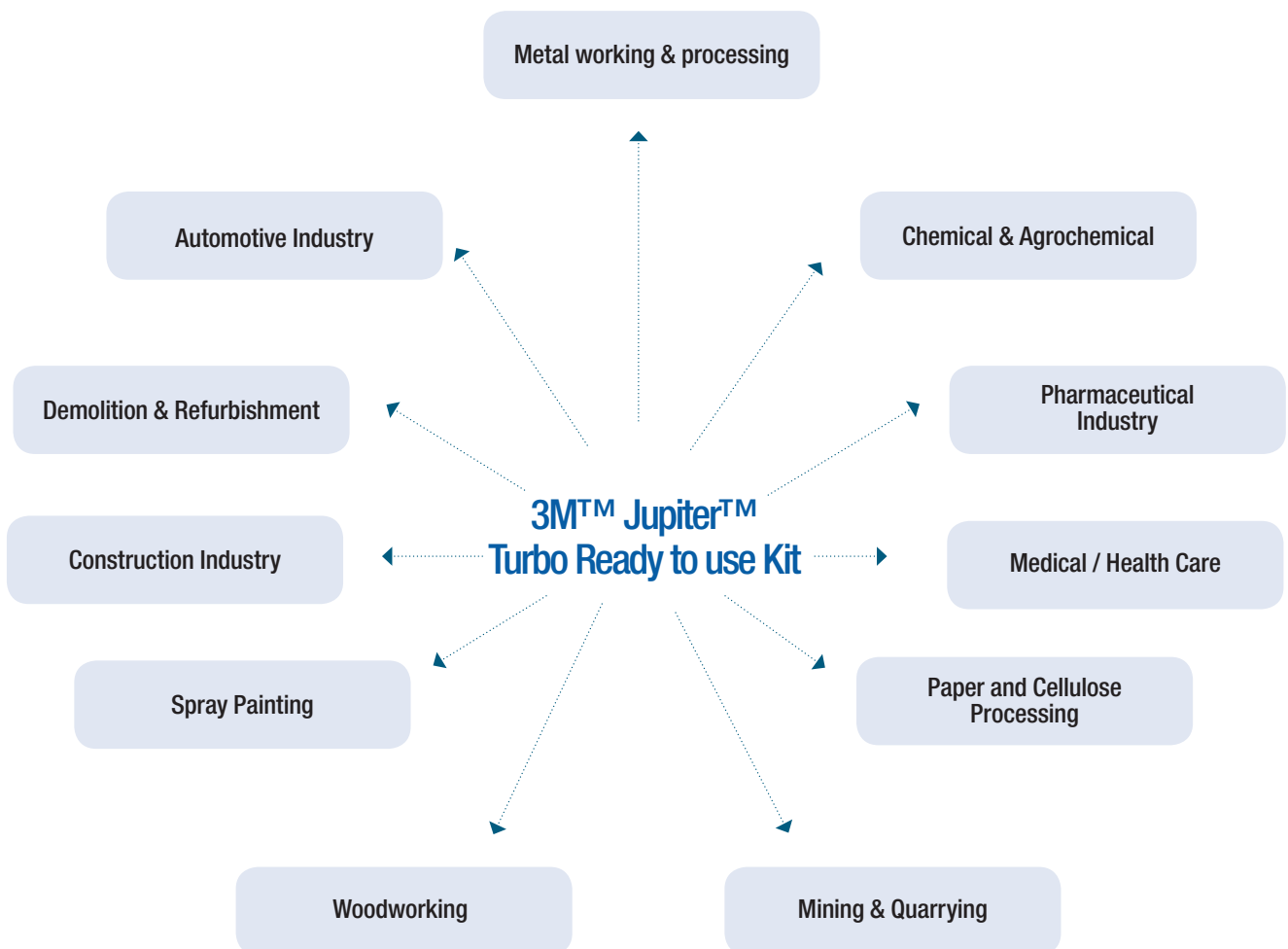
## Standards

The 3M™ Jupiter™ Turbo System, when used with an approved 3M headtop, forms a powered air purifying respirator device that provides protection against particles, gases & vapors as well as particles & gases combined. It has been tested and approved to EN 12941, and it meets the following additional requirements:

Dust protection and protection against spraying water to EN 60529 code IP 53

## Applications

The Jupiter™ Turbo System provides protection against particles, e.g. fine dusts, mists and metal fumes, as well as organic gases & vapors. When used with an appropriate 3M headtop and filters, the respiratory protection system can be used in various applications including:



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## Use Limitations

The 3M™ Jupiter™ System should not be used in the following conditions:

- Asbestos stripping
- Oxygen deficient atmospheres (at least 19.5% oxygen by vol.)
- Confined spaces, i.e. spaces with poor ventilation
- Where the hazard is regarded as Immediately Dangerous to Life or Health (IDLH)
- Where the contaminant concentration exceeds the system's maximum protection class.

## Technical Data

### Outlet Flow Characteristics:

Manufacturer's Minimum Design Flow: 150 l/min

Maximum Flow: 230 l/min

### Battery Pack:

8 hr battery = 5.2V NiMH rechargeable

### Ingress Protection Code (IP)

IP53 as specified in EN60529

(5x = dust protection / x3 = spraying water)

### Operating Temperature:

-5°C to +40°C and < 90% humidity

**Weight:** 882 g (without battery and filters)

## Materials

Component	Material
Turbo Unit body	Polyphenylene
Belt	PVC coated Polyester and EVA
Clips	Polypropylene
Filter casing	Polystyrene
Filter Cover	Polypropylene
Battery casing	Polyphenylene
Airflow indicator	Polycarbonate
Calibration tube	Polycarbonate
Breathing tube	Polyurethane

Part No.	Description
085-01-00P	Turbo blower module
085-06-10P	Control module
BLT-12	Decontamination Comfort Belt
BLT-15	3M™ Jupiter™ Belt Clip
022-25-10P4	Braces
021-14-12P	Calibration tube & airflow indicator
450-00-25P2	P filters
453-00-25P2	A2P filters
453-09-25P2	A2BEKP filters
453-16-25P2	KP filters
456-18-25P2	ABEP filters
461-00-02P24	Prefilter pads
105	Disinfectant wipes
007-00-63P	4 hour battery
007-00-64P	8 hour battery
085-12-00P	IS Battery (4hr) & IS Cover Kit
085-11-00P	IS Cover
003-00-58PEU	European intelligent battery charger
003-00-58PUK	UK intelligent battery charger
003-00-59P	10 Station Intelligent Charger
008-00-41P3	Rubber Breathing Tube
008-00-42P3	Lightweight PU Breathing Tube
008-08-00P3	Heat resistant sleeve for breathing tube
BT-20S/L	Lightweight PU Breathing Tube Short/Long (For S-Series)
BT-922	Disposable breathing tube cover
BRT-23	Breathing Tube for HT 152



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