TORNADO NON-EX

POWERED AIR RESPIRATOR

SCOTT SAFETY

THE COMPLETE
RESPIRATORY SYSTEM

TORNADO

Compact, lightweight powered air respiratory system from Scott Safety

The Scott Safety TORNADO Non-EX is a modular powered respiratory system which conforms to the latest EN 12941 & EN 12942 standards.

At the heart of the system is the T-Power; a lightweight, compact powered air respirator which is comfortable and easy to use. T-Power features an electronic air management system. The unit monitors airflow rates and as filters are used and reduce in effiency, the unit compensates airflow so that a minimum 140l/min for open headtops and 120l/min for facemasks is maintained.

With a wide range of headtops and filters, Tornado Non-EX provides one of the most versatile respiratory solutions available.

- **ERGONOMIC DESIGN**
  - Tornado Non-EX is a lightweight, compact, unobtrusive turbo solution. T-Power weighs just 370g, making it ideal for long shift durations (weight without battery or filters).
  - Tornado Non-Ex features an extremely low profile unit, particularly when coupled with particulate filters.
- **MODULAR FLEXIBILITY**
  - Tornado Non-EX is compatible with a range of Scott Safety headtops for varying applications.
  - The Tornado system operates with a choice of particle (P) and several combination (A-P, ABEP...) filters.
    Tor-adapt filter adaptors allow for changes in application with additional filters.
- **INTELLIGENT PROTECTION**
  - Tornado Non-EX provides clear audible and visual warnings of filter clogging and low battery charge
- **LOW THROUGH-LIFE COSTS**
  - Tornado non-EX utilises the cost effective PF& TF filter platform and carries a 12 month warranty, subject to Scott Safety warranty terms and conditions

MODULAR PROTECTION RELIABLE PERFORMANCE

The Tornado Respiratory System is part of the wider Modular PAPR concept from Scott Safety. The Modular concept enables users to configure their respiratory system for their specific application. For further details and approval configurations, please refer to the Modular PAPR Brochure.

How to Configure a Tornado System

Select A Hose*

PU Stretch

PU Non Stretch

EPDM

Select A Headtop

FH1 FH2 FH21 FH22 FH3 FH4 FH51 FH52 FH53 FH7 FM1 FM3 FM4

Select A Filter

PF251 | PF251/ SUPER | TF200 | TF203 | TF210 | TF220 | TF223 | TF230 | TF233

Select Additional Accessories

TOR/BATT/ LITE | Comfort Belt | TOR/ADAPT | SMART CHARGER | 10 STATION SMART CHANGER | STORAGE SYSTEMS | HOLDALL | BACK HARNESS

Hose compatibility varies with headtop selection. See Hose matrix for compatibility details

HEADTOPS
AND FACEMASKS

To a user of powered air the prime drivers in determining suitability are the comfort and performance of the headtop or mask, and Scott Safety's range provides the highest levels of wearer acceptance. All headtops and masks are supplied without a hose, which should be ordered separately.

FH1

- Revolutionary soft head cradle for intuitive and straightforward donning
- Ultra-clear PETG visor giving wide field of view and a clear down-view panel
- Half hood design with skin-friendly neoprene chin seal
- CE certified to EN12941 TH3, EN166 1F

FH2

- Revolutionary soft head cradle for intuitive and straightforward donning
- Ultra-clear PETG visor giving wide field of view and a clear down-view panel
- Full hood design with skin-friendly neoprene chin seal
- CE certified to EN12941 TH3, EN166 1F

FH21

- Revolutionary soft head cradle for intuitive and straightforward donning
- Ultra-clear PETG visor giving wide field of view and a clear down-view panel
- Anti-static full hood design with skin-friendly neoprene chin seal
- CE certified to EN12941 TH3, EN166 1F

FH22

- Quick-draw adjustable headband and harness assembly for easy donning
- Double cape design for compatibility with various coverall designs
- Disposable full hood design with optional disposable hose cover
- Can be used for single or multi-use when maintained in accordance with user instructions
- CE certified to EN12941 TH3, EN166 1F

FH3

- New low-profile visor with new head cradle and ratchet designs
- Choice of visor materials with straightforward replacement
- Flip-up framed visor browguard design with skin-friendly neoprene face seal
- CE certified to EN12941 TH2, EN166 1B

FH4

- New welding visor with new head harness and ratchet designs
- Spatter lens replaceable from front
- ADF options available
- CE certified to EN12941 TH2. EN166, EN175 Cape accessories available to protect against welding spatter
- Hose included with FH4 headtop

HEADTOPS
AND FACEMASKS

FH51

- Combined protection for the most demanding environments
- Available in Hypalon and Butyl-Viton hood materials
- Safety helmet and visor integrated into a chemical splash resistant full hood
- CE certified to EN12941 TH3, EN1835 LDH3, EN397 (Head) and EN166 1B9 (Eye & Face)

FH7

- Unrivalled field of view and no fit issues with spectacles or beards
- Double cape design for compatibility with various coverall designs
- Full hood in PVC with Polyurethane capes
- CE certified to EN12941 TH3
- FH7 is supplied with hose included

FM1

- Integrates easily with other PPE
- Side entry hose improves comfort and balance
- CE certified to EN12942 TM2

FM3

- Choice of halo-butyl and silicone materials
- Side entry hose improves comfort and balance
- Full facemask available in two sizes, also approved for unpowered use with Pro2000 filters
- CE certified to EN12942 TM3 & EN136 Class 3

FM4

- Ultimate comfort with LSR silicone seal and unrestricted (98%) field of vision
- Side entry hose improves comfort and balance
- Full facemask available in three sizes, also approved for unpowered use with Pro2000 filters
- CE certified to EN12942 TM3 & EN136 Class 3

T/POWER

POWERED AIR RESPIRATOR

At the heart of the Tornado Non-EX system is the T-Power. T-Power is incredibly compact, particularly when used in combination with a single particulate filter. Used in conjunction with the Scott Safety range of headtops and filters, the Tornado Non-EX System provides reliable, high performance protection.

T-Power provides filtered air for the widest range of industrial applications as diverse as industrial welding, agriculture, chemicals and waste disposal.

T-Power features an electronic airflow management system to maximise wearer safety and optimise battery life. A wide choice of headtops and facepieces is available covering a wide range of applications.

Product Features:

- **ERGONOMIC DESIGN** – waist mounted lightweight, compact and unobtrusive turbo unit
- **MODULAR FLEXIBILITY** – simple to configure for changes in application using Tor/Adapt filter holders
- **COMPREHENSIVE FILTRATION** – extensive range of filters for the widest range of applications
- **ELECTRONIC FLOW CONTROL** – maintains correct airflow as the working environment changes
- **INTELLIGENCE** – provides clear audible and visual warnings of filter clogging and low battery charge
- **SINGLE OR MULTI-STATION SMART CHARGERS** – maintain optimum battery performance
- **RELIABLE** – low through life costs when used with the Tornado filter range.

Important Note:
Please note that TF233 filters (for Hg protection) are approved only for use with highest classification TM3 or TH3 rated headtops

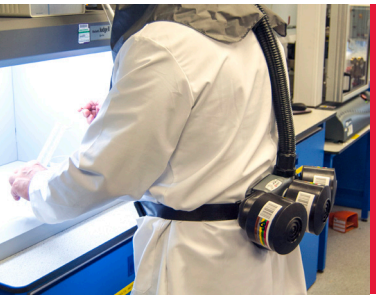
HOSES

Every FH headtop can be fitted with a choice of hoses, a fixed length Polyurethane hose, an EPDM Rubber hose, or a new Self-Adjusting Polyurethane hose which stretches with the wearers' movements but remains low-profile and close to the body, reducing snag hazards and ensuring comfort even if working space is tight. FM masks have the option of the fixed length Polyurethane or EPDM Rubber hoses. Headtops and masks are supplied without hoses, which should be ordered separately (except FH4 & FH7).

HOSES FOR USE WITH TORNADO		
	Material	For Use With
	Self adjusting PU	FH1, FH2, FH21, FH3, FH22, FH51
	Fixed length PU	FH1, FH2, FH21, FH3, FH22, FH51
	EPDM Rubber	FH1, FH2, FH21, FH3, FH22, FH51
	Fixed length PU	FM1, FM3, FM4
	EPDM Rubber	FM1, FM3, FM4

Filters for use with the Tornado PAPR systems				
Colour Code		Filter	Type	For use against:
		PF251/2	PSL	Solid and liquid particulates (dusts, fibres, mists, fumes, bacteria and virus)
		PF251/ SUPER	PSL	As above with approximately three times the capacity
		TF200	A2	Organic gases and vapours with a boiling point above 65°C
		TF 203	K1	Ammonia and organic ammonia derivatives
		TF210	A1B1E1	As TF200 + inorganic and acid gases and vapours, eg. chlorine, hydrogen sulphide, hydrogen cyanide, sulphur dioxide and hydrogen chloride
		TF220	A2PSL	As TF200 + solid and liquid particulates (dusts, fibres, mists, fumes, bacteria and virus
		TF223	K1PSL	As TF203 + solid and liquid particulates (dusts, fibres, mists, fumes, bacteria and virus)
		TF230	A1B1E1PSL	As TF203 + solid and liquid particulates (dusts, fibres, mists, fumes, bacteria and virus)
		TF233	A2B2E2K2 Hg-PSL	As TF230 + ammonia and organic ammonia derivatives + mercury vapour + solid and liquid particulates (dusts, fibres, mists, fumes, bacteria and virus)**

Important Note:
Please note that TF233 (for Hg protection) are approved only for use with highest classification TM3 or TH3 rated headtops



Tornado PAPR system provides one of the most versatile and practical powered air solutions, allowing users to adapt and control their protection with the precision required to suit the wide variety of workplace applications

	Headtop										
Industry	FH1	FH2	FH21	FH22	FH3	FH4	FH51	FH7	FM1	FM3/ PROMASK	FM4/ VISION
Laboratories	●	●	●	●	●			●	●	●	●
Textiles	●	●	●						●	●	●
GRP Manufacture	●	●	●		●		●		●	●	●
Food Processing	●	●		●	●			●	●	●	
Flour Mills and Silos	●	●			●				●	●	●
Agriculture	●	●			●	●	●	●	●	●	●
Wineries/Market Gardens	●	●			●		●		●	●	●
Pest Control	●	●	●		●		●	●	●	●	●
Animal Allergies	●	●	●		●		●	●	●	●	●
DIY	●	●			●	●			●		
Pharmaceutical	●	●	●	●				●		●	●
Foundries					●	●			●	●	
Lead Processing					●	●			●	●	●
Aluminium Works					●		●		●		●
Steel Industry					●	●			●	●	
Shipyards					●	●	●		●	●	
Welding						●			●		
Tunnelling/Quarrying					●				●	●	
Mining					●				●	●	
Demolition & Maintenance					●		●		●	●	
Building & Construction					●		●		●	●	
Purification & Sewage		●	●		●		●		●	●	●
Waste Disposal	●	●	●		●		●		●	●	●
Chemical Plants	●		●		●		●	●	●	●	●
Petrochemical			●		●		●	●	●	●	●
Nuclear			●		●		●	●		●	●
Electronic/PCB Manufacture	●	●	●		●		●	●	●	●	●
Paint Spraying				●	●				●	●	●

Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.