

Metallisation

Thermal spray equipment and consumables

PROCAP



Purpose-built personal protection
for metal spraying

Equipment Overview

THE HELMET & REGULATOR

Comprehensive and compact, the PROCAP is designed to lead the field for protection in hazardous environments such as metal spraying. It incorporates respiratory, head, face, eye and hearing protection systems – as well as a host of pioneering safety and ergonomic features. The compressed air regulator is mounted on a belt. It includes an in-line silencer and oil indicator plus auxiliary air take-off and a low pressure warning whistle.



HELMET FEATURES

- ▶ Helmet Shell.
- ▶ Adjustable head harness.
- ▶ Face seal.
- ▶ Air distribution channel inside shell.
- ▶ Flip up visor frame equipped with clear or shaded visor.
- ▶ All-in-one design of hard hat, air fed helmet, visor and ear protection.
- ▶ Compact dimensions.
- ▶ Headpiece connects to breathing hose with a push and lock ball joint connector for improved freedom of movement.
- ▶ Air duct port distributes clean filtered air across the visor.



Product Range

HELMET, HOSE & REGULATOR



Helmet-Pro
Procap thermal spray helmet



Regul-Pro
Waistbelt and regulator for Procap helmet



Air Hose-Pro
Air hose between Procap helmet/waistbelt regulator

OPTIONAL EXTRAS



Ear Def-Pro
Ear defenders for Procap helmet



Cape-Pro
Flame retardant head cape



Arc Visor-Pro(5)
Shade 5 visors for Procap helmet (pack of 5)

Complete Kits

ARC KIT



Helmet-Pro-A

Procap helmet assy for arc spray (helmet, ear defenders, shade 5 visors, hose and waistbelt/regulator)

FLAME KIT



Helmet-Pro-F

Procap helmet assy for flame spray (helmet, ear defenders, hose and waistbelt/regulator)

APPROVALS FOR HELMET-PRO

Respiratory, light duty compressed air line breathing apparatus with helmet	EN 1835 LDH2 Assigned protection factor 20 (BS 4275)	Eye and face protection:	Visor range EN 166/169 Polycarbonate PC clear visor 1B9 Acetate visor AC, Shade 5 (Grade F)
Flow rate:	140 l/min (minimum) 160-180 l/min (normal operational)	Hearing protection (optional):	EN 352-3 SNR26
Head protection:	EN 397, LD, MM, -30°C, 440 VAC		

TECHNICAL DATA FOR REGUL-PRO

Air flow:	Minimum 140 l/min Standard operating flow rate 160-180 l/min The regulator supplies 160-180 l/min air over a range of inlet pressures from 3 to 8 bar	Sound level:	Maximum 65 dB(A)
Air supply requirements:	Inlet pressure 3.5-8 bar (50-120 psi, 350-800 kPa) Flow requirement, at least 250 l/min per unit (9 cfm) Flow requirements for auxiliary tools e.g. spray guns must be added. Air quality must conform to EN12021, and must be checked at regular intervals according to national regulations (at least every 3 months is suggested)	Silencer/oil indicator:	Replaceable assembly in clear polypropylene body. The filter contains approximately 15g. AR1 12 X 20 activated charcoal. Together with a specialist indicator paper which changes to bright purple on exposure to oil. The filter is intended to remove low-level odours and organic vapours and as a backup/failsafe for the primary filtration system. It is not intended to act as a particle filter and does not ensure breathing quality air. The system must only be supplied at the air line with breathing quality air according to EN12021
Air lines:	AFU-AH-10 metre black PVC airline, CEJN pattern couplings (male and self-sealing female), 3/8" bore.	Operation temperature:	0°C to +50°C
Warning system:	Input pressure warning whistle: opens at 2.5 to 3 bar, closes at 3 to 3.5 bar, equivalent to approx. 140 l/min flow when opening/alarmed	Dimensions:	Approximately 200 x 100 x 60mm
Weight of unit without belt:	500g	Casing material:	Polypropylene

AFU Airline Filtration

AIRLINE FILTRATION UNITS



AFU Single

Air filtration unit (single user) for Procap helmet



AFU Twin

Air filtration unit (two users) for Procap helmet

PVC AIRLINE HOSE



AFU-AH-**

Air hose between AFU and waistbelt/regulator

** Available in 10, 15, 20 and 30m

Features & Data

FEATURES

- ✦ AFU Single designed to supply a single BA wearer, this unit can filter in excess of 300 l/min air at inlet pressures over 4 bar.
- ✦ AFU Twin designed to supply at least two BA wearers, in excess of 600 l/min air is available at inlet pressures over 4 bar.
- ✦ Effective two stage filtration of particulates including dust and oil droplets.
- ✦ Charcoal element for removal of organic vapours.
- ✦ Includes lightweight, robust carry frame, easily detachable for wall mounting.
- ✦ Pop-up indicator to warn of prefilter clogging.
- ✦ Autodrain to prevent build-up of oil.
- ✦ Easy filter element replacement without the use of tools.

TECHNICAL DATA

TECHNICAL DATA	
Recommended temperature range	0-40°C
Normal inlet pressure range	5-8 bar
Maximum recommended operating pressure	10 bar
Remaining oil content less than	0.003mg/m ³ at 21°C
Particle removal	0.01µm
Inlet connection	½" BSP parallel female thread
Outlet connection(s)	As above, fitted with replaceable CEJN pattern self-sealing socket coupling(s)