



## NBC Filtration System

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### Type FAH 180/90

#### Features:

- NBC-Protection for 15 persons
- Applications in small shelters as nurseries, villas or command posts



Rainbow 36

FAH 100/50  
FAH 180/90

FAH 480/180  
FAH 800/300

FA 1600/600

FAH 1600/600



**Collective Protection Inc.**

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**Certifications:**

- Approved by the Civil Defence Command
- CE - Hallmarks for Electrical Safety and EMI compliance
- Quality Control according to ISO 9001 and AQAP 2110

**Description Type FAH 180/90:**

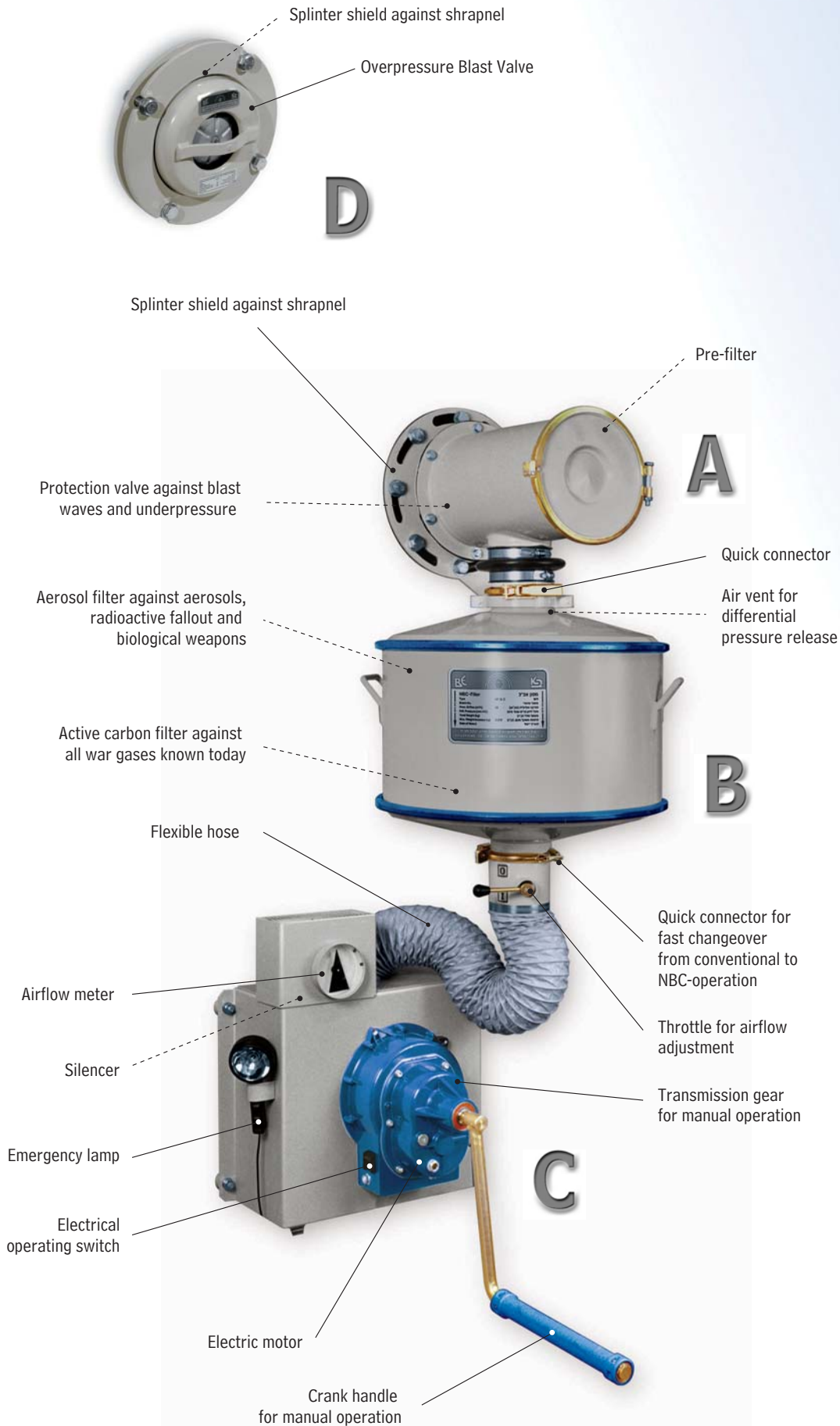
The Ventilation and NBC-Filtration System Type **FAH 180/90** is a collective filtration system intended for the protection of up to 15 persons in airtight shelters and compartments. The system provides 180 m<sup>3</sup>/h (105 cfm) fresh air in the case of conventional warfare, or 90 m<sup>3</sup>/h (55 cfm) filtered air in the case of NBC (Nuclear/ Biological/ Chemical) warfare.

The system creates overpressure inside the protected area providing a safe and comfortable environment without the need for gas masks or protective clothing. The system is operated by normal electric power and with manual backup in case of power failure.

**Specifications FAH 180/90:**

Product no.:		B91151	
<b>A Blast Valve with pre-filter ESVF 183:</b>			
Product no.:		B02400	
Pressure durability:		300 (42)	kPa (psi)
Pressure drop:	Ventilation mode	250 (1)	Pa (inch WC)
	Filtration mode	70 (0.3)	Pa (inch WC)
<b>B NBC-Filter HF 90 C:</b>			
Product no.:		B31200	
Airflow rate:		90 (55)	m <sup>3</sup> /h (cfm)
Pressure drop:		440 (1.7)	Pa (inch WC)
Weight of active carbon:		13.6 (30)	kg (lbs)
Total weight:		37 (82)	kg (lbs)
Separation efficiency with particle size of 0.3 micron:		99.995	%
<b>C Blower LH 180/90:</b>			
Product no.:		B21281	
Airflow:	Ventilation mode	180 (105)	m <sup>3</sup> /h (cfm)
	Filtration mode	90 (55)	m <sup>3</sup> /h (cfm)
Air pressure:	Ventilation mode	1250 (4.9)	Pa (inch WC)
	Filtration mode	1410 (5.6)	Pa (inch WC)
Electric motor:	Voltage (single phase)	230	Volt
	Current	1.4	Ampere
Manual operation:		1	Person
Noise level:		67.5	dB(A)
<b>D Overpressure Blast Valve A 203:</b>			
Product no.:		B15440	
Pressure durability:		300 (42)	kPa (psi)
Pressure drop:	Ventilation mode	200 (0.8)	Pa (inch WC)
	Filtration mode	140 (0.6)	Pa (inch WC)

Specifications are subject to change without prior notice



**SYSTEM FEATURES**

- Additional performance capabilities for use in subtropical and tropical environment
- Manual backup in case of external power failure



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