








> FOR INTERNAL USE ONLY

Status	End of Life	Good	Better	Better	Better	Best	Best
Mask Name	FM12	PC50	HM50/HMK150	C50	FM50	FM53	FM54
			 *HM50P - low cost alternative				
<b>Basic Information</b>							
Price	\$	\$	\$\$	\$\$	\$\$	\$\$\$	\$\$\$
Number of sizes	3	3	3	3	3	4	4
Target User Groups	Military, Law Enforcement	Corrections, Border Control	Law Enforcement, Riot Control	First Responders, Military	Military	Special Forces/Reponse Teams	Special Forces/Reponse Teams
Time in service	>25 years	>3 years	>5 years	>10 years	>10 years	>10 years	>6 years
<b>Certifications</b>							
NIOSH*	No (expired)	Yes*	No	Yes*	No	Yes* (with VPU only)	Yes
CE	Yes	Yes	Yes (HM50)	Yes	No	Yes	Yes (-ve pressure only)
<b>USPs</b>							
	<ul style="list-style-type: none"> <li>• Most widely used respirator globally.</li> <li>• High levels of protection offered against CBRN agents, TICs &amp; TIMs.</li> <li>• Flexible contoured face seal ensures compatibility with a variety of helmets and CBRN suits*</li> </ul>	<ul style="list-style-type: none"> <li>• Cheaper, lower feature set mask aimed at budget driven corrections market.</li> <li>• Downward facing exhalation valve - ideal for integration with riot helmet.</li> </ul>	<ul style="list-style-type: none"> <li>• Flawless integration with Schuberth P100N helmet, specifically targeted towards riot control.</li> <li>• Can be donned without removing helmet.</li> </ul>	<ul style="list-style-type: none"> <li>• Maximum flexibility – protection against CBRN agents, TICs &amp; TIMs.</li> <li>• Allows for connection with PAPR devices for enhanced protection.</li> </ul>	<ul style="list-style-type: none"> <li>• Designed to meet NATO requirements to counter CBRN threats.</li> <li>• Twin filters gives a lower breathing resistance and increased user comfort.</li> </ul>	<ul style="list-style-type: none"> <li>• Offers ability to easily switch both positive pressure (SCBA,PAPR) and negative pressure capability using lever located on VREU.</li> <li>• Change nosecup for more bespoke sizing.</li> </ul>	<ul style="list-style-type: none"> <li>• Offers ability to easily switch both positive pressure (SCBA,PAPR) and negative pressure capability using lever located on VREU.</li> <li>• Fire hardened.</li> <li>• More robust VREU lever than the FM53.</li> <li>• Change nosecup for more bespoke sizing.</li> <li>• Lower cost of ownership.*</li> </ul>
<b>Filtration</b> *marks a NIOSH approved system							
CFP100	Yes	Yes*	Yes	Yes*	Yes (when used with adaptor)	Yes*	Yes*
CSCF50	Yes	Yes	Yes	Yes	Yes (when used with adaptor)	Yes	Yes
CTCF50	Yes	Yes*	Yes	Yes*	Yes (when used with adaptor)	Yes*	Yes*
CBRNCF50	Yes	No	No	Yes*	Yes (when used with adaptor)	Yes*	Yes*
CBRNCF50CE (CE approved)	Yes	No	No	Yes	Yes (when used with adaptor)	Yes	Yes
GPCF50	Yes	No	No	Yes	Yes (when used with adaptor)	Yes	Yes
MILCF50	Yes	No	No	Yes	Yes (when used with adaptor)	Yes	Yes
FM61	No	No	No	No	Yes	No	No
FM61EU	No	No	No	No	Yes	No	No
<b>Technical Data</b>							
Weight	450g	550g	700g	490g	490g	728g	650g
Shelf Life	10 years	10 years	10 years	10 years (+10years)	10 years (+10years)	10 years	10 years
Hydration System	Yes	No	Yes	Yes	Yes	Yes	Yes
Field of view	94	96	96	96	96	96	96
Filter Connection	DIN 40mm	DIN 40mm	DIN 40mm	DIN 40mm	Bayonet/DIN 40mm (when used with adaptor)	DIN 40mm	DIN40mm
Powered Air usage	No	No	Yes	Yes	Yes (when used with adaptor)	Yes	Yes
Supplied Air usage	No	No* (*PC50+ has +ve pressure capability)	No	Yes (When used with an adaptor)	Yes (NSPA configuration only)	Yes (NIOSH approved with ST53/ST54)	Yes (NIOSH approved with ST53/ST54)
Communications Interface	No	Yes	Yes	Yes	Yes	Yes	Yes
VPU available	No	Yes	Yes	Yes	Yes	Yes	Yes
Outserts Available	No	Yes	Yes	Yes	Yes	Yes	Yes

