

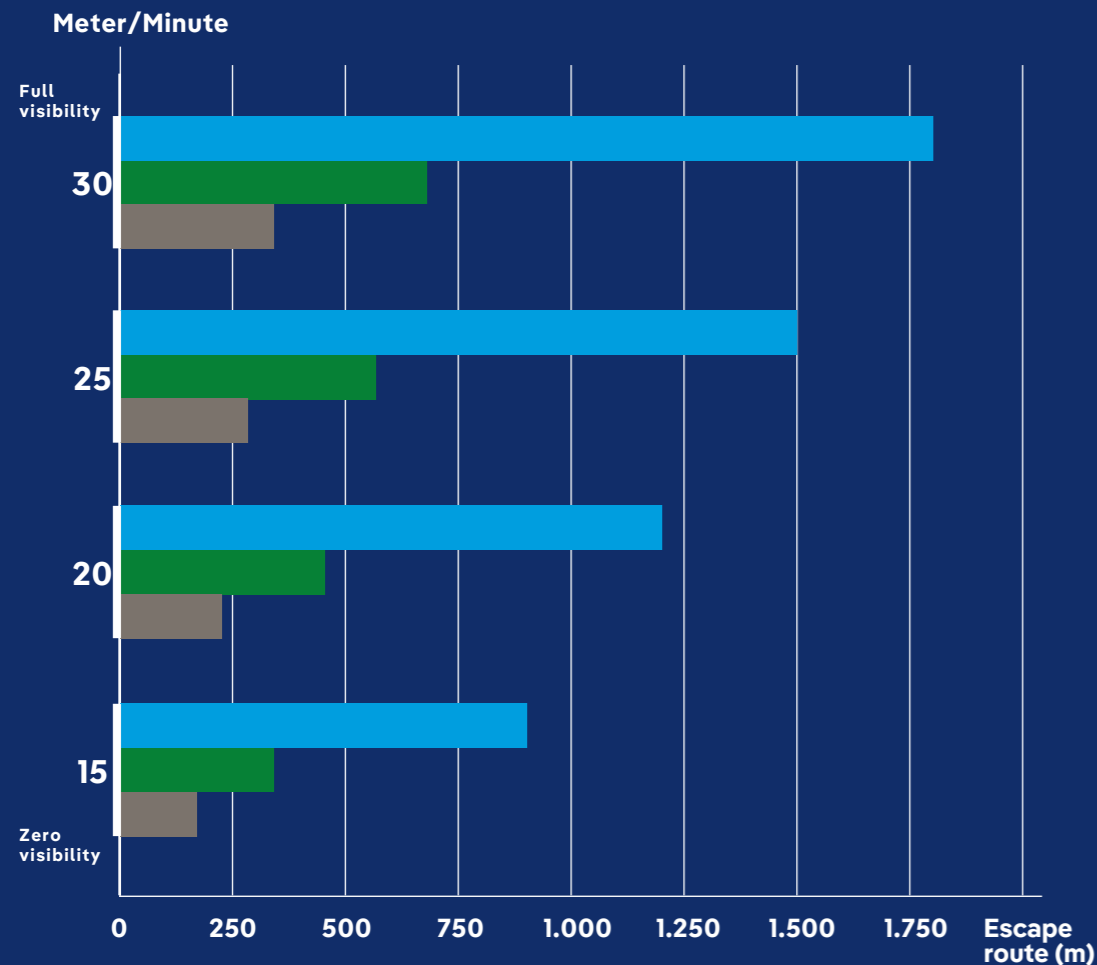
# Firefighting in Today's Urban Landscape

Protecting you every step of the way – Breathing protection for long missions

## Find the right solution in 5 easy steps

**1**  
How fast can you move forward?

**Maximum rescue route length**  
Speed for approach and return under breathing protection at zero visibility 15 – 20 m/min



Source: Dipl.-Ing. Reinhold Ortler, Berufsfeuerwehr Salzburg

**2**  
You can use max 1/3 of the available breathing air for getting in

Keep 1/3 2/3 rule in mind!  
You should have min. 2 x as much breathing air for getting out.

**3**  
Choose your solution



**4**  
Compare various solutions

	SCBA 6.8l/300bar cylinder	SCBA twin pack 2x6.8l/300bar cylinder	LDBA
Usability	████████	███████	█████████
Weight	~12 kg	~16-18 kg	~14 kg
Ease of use	Standard	Standard	Special user training required
Air quality	Standard	Standard	Warm & humid inhalation
Freedom of movement	No additional restriction	Increased profile	Increased profile
Safety+	███████	███████	█████████
Duration	Up to 45 mins for 6.8l cylinder	Up to 90 mins for 6.8l cylinder	Over 240 mins
Hydration	User can only drink before and after the mission		(User can drink during the mission) Integrated drinking device in full-face mask
Serviceability	████████	███████	█████████
Turnaround on scene	Cylinder Quick fill and quick connect	Only quick fill	Change soda lime cartridge, change oxygen cylinder
Cleaning	Different Machine cleaning methods approved		Mainly manual cleaning

**5**  
Learn how to "coordinate & communicate"

**Coordinate and communicate**

**Clear voice communication**  
Ergonomically designed in-mask coms for excellent speech quality and hands/free communication dedicated to inside teams, in addition to tactical radio channels

**Enhanced situational awareness**  
Automated accountability system, continuously updated overview of all inside teams' status

**Keeping track**  
Overview of multiple entry points to allow higher command levels to be informed instantly if critical events occur.

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