



3M™ Scott™ 5.5 Cylinder



Breathe easy and work safer in the toughest conditions.

Continuing our commitment to the fire service, our 5.5 cylinder keeps the form, durability and capacity customers are accustomed to, while offering a reduction in weight and reduced profile.

As another “industry first,” 3M Scott increased the pressure to 5500psi and reduced the size and weight of the cylinder. To put it simply, we built a lighter, smaller and safer cylinder to help with reducing fatigue, improving productivity and decreasing injuries.

With the changes in the NFPA 1981, 2013 edition standard and the requirement for a 33% EOSTI, the 5.5 cylinder provides additional air capacity in a traditional form factor.

Product Highlights

- Up to 12% reduction in cylinder weight and 9% reduction in cylinder diameter
- 30-minute, 45-minute, 60-minute and 75-minute durations
- Helps to reduce fatigue, increase productivity and decrease injuries
- Compatible with existing truck seats and brackets
- 45-minute duration maintains similar profile as 30-minute, 4500 psi cylinder

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Lighter. Smaller. Safer.

Reduce weight by as much as 1.61 pounds depending on the time duration of the cylinder.

	4.5 Cylinder*	5.5 Cylinder*	Weight Reduction*	% Decrease
30-Minute	7.65	6.84	0.81	10%
45-Minute	10.05	8.94	1.11	11%
60-Minute	12.65	11.04	1.61	12%
75-Minute	----	13.74	----	----

*weight in pounds for empty CGA cylinders

Carbon Cylinder Specifications

- Composite cylinder consisting of an aluminum alloy inner shell, with a total overwrap of carbon fiber, fiberglass and epoxy resin
- Design to DOT and TC specifications
- Rated for 30', 45', 60' and 75' durations based on NIOSH breathing rates
- Hydrostatic testing performed every five years
- 15-year life expectancy

Compatibility

The 5.5 cylinder is approved with with the Air-Pak X3 Pro, Air-Pak X3, and Air-Pak 75 SCBA.

Seamless Intergration

3M Scott Fire & Safety has worked with leading manufacturers to ensure the 5.5 cylinder works with existing truck seats and brackets currently deployed in market. This eliminates the need for increased infrastructure and training costs.

Perfect Fit

The new profile shifts the center of gravity, which increases the comfort of the Air-Pak SCBA system. In some cases, the overall length of the cylinder was reduced to help avoid interference with helmets.

Charging

The RevolveAir charge station has been tested and approved for higher-pressure cylinders. Standard 6000psi compressors may also be used.



30' Cylinder

The 30' cylinder is a small package and offers a 10% reduction in weight when compared to an equivalent 4.5 unit.



45' Cylinder

The 45' cylinder provides an additional 600 liters of air in approximately the same size package as a 30' cylinder.



60' Cylinder

The 60' cylinder is ideal for departments with high-rise buildings.



75' Cylinder

The 75' cylinder is an industry first. Almost identical in size to the 60' 4.5 unit, this is ideal for RIT and HAZMAT teams.



3M Scott Fire & Safety

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