

CYLINDERS

FOR USE WITH SCOTT SAFETY SELF-CONTAINED BREATHING APPARATUS



SCOTT SAFETY CYLINDERS

Over the years, breathing air cylinders have been providing SCBA users with a supply of fresh air. The original cylinders were made of steel and quite heavy. But today, advances in technology have enabled cylinders to become much lighter and less burdensome to the SCBA wearer. Scott offers a complete assortment of cylinders to meet the needs and demands of all SCBA users – aluminum cylinders for infrequently used SCBA to carbon-wrapped cylinders for daily use. In addition, Scott Safety offers cylinders in 30', 45', 60' and 75' durations (a Scott Safety exclusive).



5.5 CYLINDERS: INTRODUCING THE LIGHTEST AND SMALLEST CYLINDERS USED ON SELF-CONTAINED BREATHING APPARATUS

The best way to understand the needs of Air-Pak SCBA users is to simply listen. Scott Safety did just that by visiting SCBA users from across North America. The participants included fire chiefs, SCBA technicians, safety officers and firefighters. It was not exclusive to the fire service as representatives from the military, general industry and law enforcement were also included. The overwhelming attribute that users requested was a reduction in weight followed closely by a reduction in profile.

The engineers of Scott Safety determined the best manner to accomplish this was to increase the pressure of the cylinders to 5500 psig, which created the new 5.5 cylinders. The result is a cylinder that has more than a 10% reduction in weight and profile in a traditional form familiar to SCBA users. Another benefit to the 5.5 cylinder offering is the ease of integration into your department without the need of costly infrastructure changes. Scott Safety has worked with leading Truck Seat and SCBA Bracket manufacturers to ensure these products work with the existing products in the market. The construction continues to be an aluminum liner wrapped with layers of carbon fibers and fiberglass all sealed with a protective epoxy resin coating which makes the cylinder easier to clean. The 5.5 cylinders are available in 30' 45', 60' and new 75' durations.

The overall result is a lighter Air-Pak SCBA that reduces fatigue of the wearer, increases productivity and decreases injuries.

CYLINDER OFFERINGS

ALUMINUM CYLINDERS

- Scott Safety's Aluminum cylinders are built to the Department of Transportation (DOT) and Transport Canada (TC) specifications
- 2216 psig working pressure
- Rated for 30-minute duration based on NIOSH breathing rates
- Hydrostatic testing to be performed every five years
- Unlimited life expectancy

CARBON CYLINDERS

- Scott Safety's Carbon Cylinders are built to DOT and TC specifications
- 2216, 3000, 4500 and new 5500 psig working pressures
- Lightweight, composite cylinder consisting of an aluminum alloy inner shell with a total overwrap of carbon fiber, fiberglass and an epoxy resin
- Rated for 30', 45', 60' and 75' (5.5 only) durations based on NIOSH breathing rates
- 75' cylinder is ideal for RIT and extended duration operations
- Hydrostatic testing to be performed every five years
- 15-year life expectancy

ST7 TOUGH CYLINDERS

- Scott Safety's ST7 Tough Cylinders are built to DOT and TC specifications
- Built extremely tough and durable
- Provides added protection against abrasion and abuse
- 4500 psig working pressure
- Rated for 45' duration based on NIOSH breathing rate
- Designed for the most demanding fire ground operations
- Hydrostatic testing to be performed every five years
- 15-year life expectancy

CYLINDER VALVES



CGA THREADED
CYLINDERS



ACS CYLINDERS



NxG SNAP-CHANGE
CYLINDERS



CYLINDER ACCESSORY ITEMS: CUSTOM LOGO CYLINDER BANDS

Scott Safety offers its customers the ability to customize their new carbon cylinders by adding a personalized logo. This custom logo is printed on luminescent paper and protected by the fiberglass wrap and epoxy resin.

- Greater visibility
- Easy-to-read and see luminescent band
- Reduces cylinders being misplaced in mutual aid scenarios
- Twenty-five cylinder minimum order



At Scott, we've been protecting firefighters for more than half a century. Beginning with company founder Earl Scott, the Scott name has stood for unquestioned quality when safety is critical. Firefighters around the world—and others across hundreds of industries—rely on Scott Safety's attention to detail, fail-safe measures, attentive service and innovation. The 5.5 is another offering in our long, proud history of safety equipment.

CYLINDER SPECIFICATIONS

CGA Threaded Cylinders											
Description		Duration	Capacity				Dimensions			Weight	
Part Number	Pressure	Minutes (at 40 lpm)	Liters	SCF	H ₂ O (in ³)	Length in inches (less valve)	Length in inches (with valve)	Diameter in inches	With Valve (empty)	With Valve (full)	
Aluminum											
804101-01	2216	30	1274	45	523	20.9	24.0	6.75	17.50	20.86	
Carbon-Wrapped											
804840-01	2216	30	1274	45	523	20.6	23.7	6.70	7.85	11.21	
805044-01	3000	30	1756	62	521	20.9	24.0	6.83	10.45	15.08	
804721-01	4500	30	1274	45	285	18.6	21.7	5.53	7.65	11.01	
804722-01	4500	45	1841	65	418	20.4	23.5	6.30	9.75	14.61	
804722-01A	4500	45	1841	65	416	18.2	21.3	6.84	10.35	15.39	
804723-01	4500	60	2464	87	550	21.7	24.8	7.05	12.20	18.92	
200930-01	5500	30	1274	45	233	19.1	22.2	4.94	6.72	10.08	
200969-01	5500	45	1841	66	349	19.1	22.2	6.00	8.92	13.96	
200972-01	5500	60	2464	87	465	21.4	24.5	6.53	10.97	17.69	
200975-01	5500	75	3115	111	581	22.4	25.5	7.15	13.47	21.88	
Carbon-Wrapped ST7											
804722-11	4500	45	1841	65	418	20.4	23.5	6.30	10.25	15.29	

NxG Snap-Change Carbon-Wrapped Cylinders											
Description		Duration	Capacity				Dimensions			Weight	
Part Number	Pressure	Minutes (at 40 lpm)	Liters	SCF	H ₂ O (in ³)	Length in inches (less valve)	Length in inches (with valve)	Diameter in inches	With Valve (empty)	With Valve (full)	
200131-01	2216	30	1274	45	523	20.6	23.7	6.70	8.14	11.50	
200128-01	4500	30	1274	45	285	18.6	21.7	5.53	7.94	11.30	
200129-01	4500	45	1841	65	418	20.4	23.5	6.30	10.04	15.08	
200129-01A	4500	45	1841	65	416	18.2	21.3	6.84	10.64	15.50	
200130-01	4500	60	2464	87	550	21.7	24.8	7.05	12.49	19.21	
200967-01	5500	30	1274	45	233	19.1	22.2	4.94	7.13	10.49	
200970-01	5500	45	1841	66	349	19.1	22.2	6.00	9.33	14.37	
200973-01	5500	60	2464	87	465	21.4	24.5	6.53	11.38	18.10	
200976-01	5500	75	3115	111	581	22.4	25.5	7.15	13.87	22.28	

ACS Cylinders											
Description		Duration	Capacity				Dimensions			Weight	
Part Number	Pressure	Minutes (at 40 lpm)	Liters	SCF	H ₂ O (in ³)	Length in inches (less valve)	Length in inches (with valve)	Diameter in inches	With Valve (empty)	With Valve (full)	
Aluminum											
200874-01	2216	30	1274	45	523	20.9	24.0	6.75	17.50	20.86	
Carbon-Wrapped											
200873-01	2216	30	1274	45	523	20.6	20.9	6.70	7.85	11.21	
200870-01	4500	30	1274	45	285	18.6	21.7	5.53	7.65	11.01	
200871-01	4500	45	1841	65	418	20.4	23.5	6.30	9.75	14.79	
200872-01	4500	60	2464	87	550	21.7	24.8	7.05	12.20	18.92	

To learn more, call your Scott regional manager or authorized distributor.

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Monroe Corporate Center • P.O. Box 569 • Monroe, NC 28111
 Telephone: 800.247.7257 • Facsimile: 704.291.8330
 www.scottsafety.com • sh-sale@tycoint.com

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