

SCBA/SCUBA Cylinder Fill Chart

(Various Cascade Storage Systems)

Type of Cylinder Being Filled	Cylinder Pressure and Quantity in Storage System																					
	4500 PSI DOT/ISO					5000 PSI DOT/ISO					6000 PSI DOT/ISO					5000 PSI ASME				6000 PSI ASME		
	2	4	6	8	10	2	4	6	8	10	2	3	4	6	8	2	4	6	8	2	3	4
SCBA: 2216 PSI (30 min / 45 ft ³)	18	41	65	88	111	19	44	68	92	117	25	38	55	85	115	17	28	39	61	21	33	46
SCBA: 4500 PSI (30 min / 45 ft ³)	*	*	*	*	*	6	22	41	61	82	13	24	38	65	92	5	12	20	28	10	20	36
SCBA: 4500 PSI (45 min / 65 ft ³)	*	*	*	*	*	4	16	30	45	61	9	17	28	48	69	3	9	14	23	7	15	25
SCBA: 4500 PSI (60 min / 87 ft ³)	*	*	*	*	*	3	11	20	30	41	6	11	19	32	46	2	6	9	18	5	10	15
SCBA: 5500 PSI (30 min / 45 ft ³)	*	*	*	*	*	*	*	*	*	*	3	8	13	23	33	*	*	*	*	3	8	13
SCBA: 5500 PSI (45 min / 66 ft ³)	*	*	*	*	*	*	*	*	*	*	2	5	8	14	20	*	*	*	*	1	4	7
SCBA: 5500 PSI (60 min / 87 ft ³)	*	*	*	*	*	*	*	*	*	*	1	3	5	10	14	*	*	*	*	1	3	5
SCBA: 5500 PSI (75 min / 111 ft ³)	*	*	*	*	*	*	*	*	*	*	1	3	5	9	13	*	*	*	*	1	2	4
SCUBA: 3000 PSI (80 ft ³)	6	17	32	45	58	8	22	35	49	62	12	18	28	37	61	3	13	19	31	9	16	22
	Number of Fills from System																					

* When filling the same/greater pressure cylinder as your storage cylinder, you will never completely fill the cylinder. There may be some cylinders within a usable pressure.

The information above is based on the cylinders being filled having a residual pressure. The cascade method was used during refilling.

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