How to determine cubic feet of gas in a cylinder

Top pressure in psia of gas in cylinder ÷ one atmosphere (14.7) = number of atmospheres

Number of atmospheres x the internal volume @ 70 ° F, 1 atmosphere. = cubic feet of gas.

Example:

Cylinder size LP 239 filled to 215 psia

215 psia ÷ 14.7 (1 atmosphere) = 14.63 atmospheres

14.63 atmospheres x 3.83 (internal volume @ 70 °F, 1 atmosphere, see chart below for values) = 56.03 cubic feet of gas

Cylinder cubic feet chart	
Cylinder size	Internal volume @ 70 ° F & 1 atmosphere
LP 2.5	0.371
LP 5	0.777
LP143	2.15
LP239	3.83
200	1.55
AL150	1.04
AL80	0.55
AL30	0.21

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