

How to Determine Cubic Feet of Gas in a Cylinder

Top pressure in psia of gas in cylinder \div 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 \div 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
LP 143	2.15
LP 239	3.83
200	1.55
AL 150	1.04
AL 80	0.55
AL 30	0.21

