

High Capacity. Maximum Productivity.

Praxair's Amplify™ Gas Cylinders Deliver More Capacity, Convenience, Safety and Cost Savings

Amplify High Capacity Cylinders

Praxair's *Amplify* cylinders contain significantly more gas than conventional cylinders yet possess similar dimensions and ergonomics. This extra capacity is achieved by filling *Amplify* cylinders to 6,000 psig versus the 2,640 or 2,200 psig common for "T" or "K" style cylinders, respectively. The resulting increased gas volumes are summarized in the table below. The valve on the *Amplify* cylinders includes an integrated regulator that steps the outlet supply pressure down to approximately 1,300 psig, so the *Amplify* cylinder is immediately compatible with your existing regulators and gas distribution systems.



Gas Capacity by Cylinder Style (standard cubic feet)

Gas Type	K	T	Amplify B6K	Amplify C6K
Argon	248	335	590	593
Helium	218	291	533	535
Nitrogen	228	304	503	506
Hydrogen	196	260	N/A	492

BENEFITS	FEATURES
Cost savings	<ul style="list-style-type: none"> Reduced labor, deliveries, and product waste
Improved productivity	<ul style="list-style-type: none"> Less time spent ordering, transporting, and changing out cylinders
Reduced run-out risk	<ul style="list-style-type: none"> More gas in each cylinder; more gas on site for same number of cylinders
More available floor space	<ul style="list-style-type: none"> Less cylinders for equivalent gas inventory; more available floor space
Enhanced safety	<ul style="list-style-type: none"> Reduced cylinder handling, connecting, and transporting
Compatibility with existing equipment	<ul style="list-style-type: none"> Integrated regulator valve
Easy-to-read cylinder contents	<ul style="list-style-type: none"> Integrated active pressure gauge
Improved safety and ergonomics	<ul style="list-style-type: none"> Permanently attached open steel guard protects cylinder valve and gauge

The Benefits of High Capacity

The *Amplify* high capacity cylinders enable longer run times and dramatically reduce all of the labor and hassles associated with replacing cylinders. Fewer cylinders needed during the year means fewer cylinder deliveries as well as fewer cylinders returned with unused residual product. More gas in the cylinder can decrease the risk of run-outs and help you avoid replacing partially-full cylinders too early to ensure enough gas is available to complete your work. Reductions in labor, delivery fees, and unused product can translate into meaningful cost savings. The extra capacity also gives you the option to reduce your overall cylinder inventory and free up valuable floor space.

Amplify Cylinder Design

Praxair's *Amplify* cylinders utilize advanced materials to achieve the 6,000 psig rating. Two *Amplify* cylinder options are available – a standard design designated as B6K and a low weight design designated as C6K. These *Amplify* cylinders have dimensions similar to conventional T and K cylinders, so they are easily integrated into your current gas distribution system.

Amplify cylinders also feature an open steel guard that protects the valve during both shipping and use while giving you easier access to the valve for attaching a regulator or turning on the gas flow. The valve includes an active pressure gauge that continually reads the cylinder contents, so you always know the state of your gas supply, regardless of whether the cylinder is in use.

Amplify's Open Steel Guard, Valve, and Active Pressure Gauge



CYLINDER STYLE	K	T	AMPLIFY B6K	AMPLIFY C6K
HEIGHT AT VALVE OPENING (INCHES)	53.25	57.25	57.80	57.50
HEIGHT AT TOP OF GUARD (INCHES)	N/A	N/A	63.80	64.00
DIAMETER (INCHES)	9.00	9.25	9.00	9.00
EMPTY CYLINDER WEIGHT (LBS)	133	143	179	127*

*Empty cylinder weight for hydrogen is 146

Praxair's *Amplify* high capacity cylinders support manufacturing at all scales, minimizing cylinder orders, change-outs, run-outs, residual gas returns, inventory, and overall footprint. With the *Amplify* cylinders, you spend less time dealing with your gas supply and more time focused on your work. Pair *Amplify* cylinders with Praxair's *StarView*™ remote cylinder monitoring to maximize gas supply control and reliability, and reduce costs.

Discover the benefits of an *Amplify* cylinder.
Contact your local Praxair representative.



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