LOK FAMILY OF SOLUTIONS

Data Center Airflow Management Products

KOLDLOK®
Raised Floor Airflow Management

HOTLOK®
Rack Airflow Management

AISLELOK™
Aisle Airflow Management

ENERGYLOK®
Room Airflow Management Services

ENERGYLOK®
Room Airflow Management Services

EnergyLok Services promote computer room airflow optimization and enhance data center energy efficiency. This suite of services incorporates the science of airflow management to improve the overall health of the data center cooling environment.

All EnergyLok Services:

- Apply airflow management science to cooling solutions
- Provide actionable solutions for increasing data center reliability and energy efficiency
- Optimize current airflow infrastructure to increase cooling capacity and IT density
- Enable precision cooling to reduce or eliminate hotspots
- Dramatically reduce costly bypass airflow
- Support data center best practices and ASHRAE compliance

Visit upsite.com for expanded EnergyLok data.

About Upsite Technologies

Known as the "pioneering company in airflow management solutions" Upsite Technologies, Inc. was founded in 2001 by Ken Brill, who in 1993, had established the Uptime Institute, a think tank dedicated to understanding, improving, educating and expanding awareness of uptime and optimal efficiencies in data centers. Upsite Technologies leveraged the experience and knowledge obtained at the Uptime Institute to create its initial energy-efficiency products and services including the first KoldLok® product, the Integral grommet.

Upsite continues to successfully engineer, design and manufacture a series of precision sealing solutions from our award winning, patented LOK Family of Solutions™. Sharing the science and executing it to optimize the data center is what sets Upsite apart in the industry. Upsite Technologies' products and services empower data center managers to leverage cost savings to improve key elements of data center operations.

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technologies®

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KOLDLOK®
Raised Floor Airflow Management

KoldLok Grommets are designed to virtually eliminate bypass airflow, increase capacity, enable higher density and dramatically lower energy consumption.

Wave® Grommet

1	**Wave®** Item No. 20100	
2	**Integral** One Piece Item No. 1010 Split Item No. 3030	
3	**Surface Mount** Original Item No. 2020 Large Item No. 2030 XLarge Item No. 2040	
4	**Mini** Item No. 10077	
5	**Extended 3"** Item No. 10012	
6	**Extended 6"** Item No. 10013	
7	**4" Round** Item No. 40001	

Visit upsite.com for expanded KoldLok product data

AISLELOK™
Aisle Airflow Management

AisleLok products are engineered to seal a variety of openings in the aisle, blocking bypass airflow and maximizing cooling performance. Controlling errant airflow in the aisle increases efficiency, capacity and reliability.

Under Rack Panel

1	**Under Rack Panel** Item No. 10103	
2	**Acrycell™ Sealing Tape .5" - 1" - 2"** .5" Item No. 10108-001 1" Item No. 10108-002 2" Item No. 10108-003	

Visit upsite.com for expanded AisleLok product data

4 Steps to Optimized Airflow
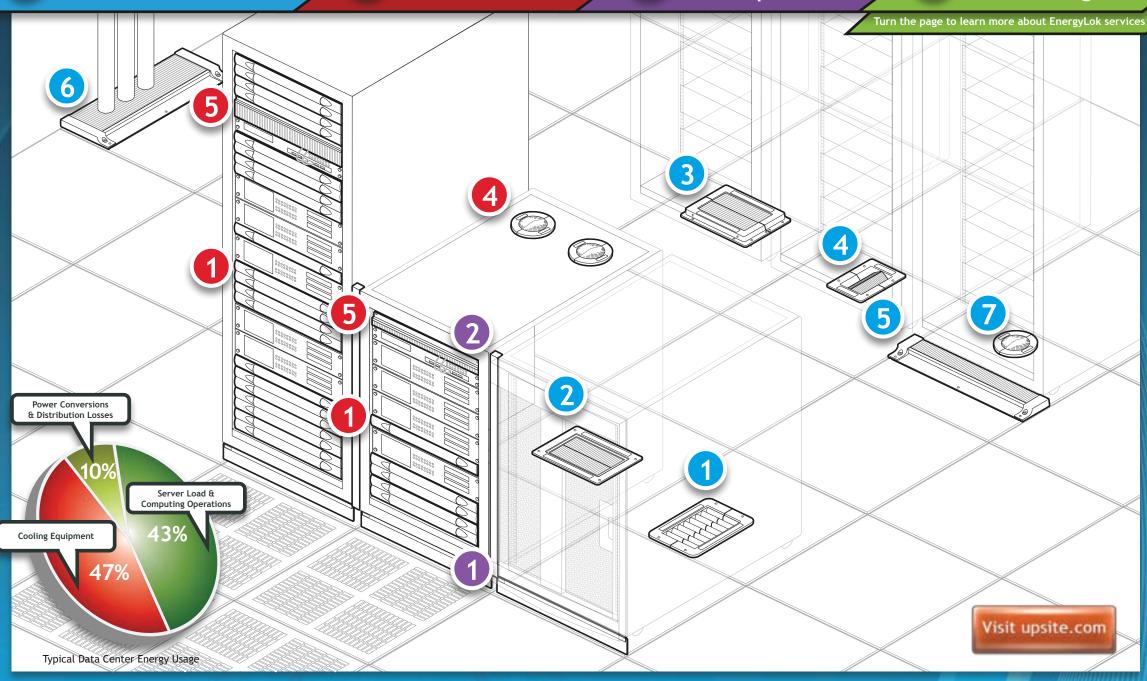
1st Seal Openings in the Raised Floor

2nd Control Equipment Rack Airflow

3rd Ensure Hot & Cold Aisle Separation

4th Achieve Optimal Airflow Management

Turn the page to learn more about EnergyLok services

Power Conversions & Distribution Losses

10%

Server Load & Computing Operations

43%

Cooling Equipment

47%

Typical Data Center Energy Usage

Visit upsite.com

HOTLOK®
Rack Airflow Management

HotLok products reduce high intake air temperatures by preventing hot exhaust air from circulating to the front of the IT cabinets. This improves IT equipment reliability and supports cooling infrastructure optimization.
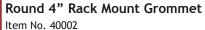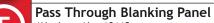
Round 4" Rack Grommet

1	**Blanking Panel** 1U - Item No. 10031 2U - Item No. 10033	
2	**Blanking Panel** with Temperature Strip 1U - Item No. 10035 2U - Item No. 10038	
3	**Temperature Strip** Item No. 10009	
4	**Round 4" Rack Mount Grommet** Item No. 40002	
5	**Pass Through Blanking Panel** 1U - Item No. 10112 2U - Item No. 10113	

Visit upsite.com for expanded HotLok product data