Magic-Pak HVAC System
Chuck Perry
National Sales Manager Commercial Products
What is a Magic-Pak?

Ducted Vertical Package HVAC Unit

- Completely Self Contained HVAC System
  - Heating & Cooling In One Package
  - No External Condensing Unit
  - Pre-Wired
  - Pre-Charged
  - No External Flue or Combustion Air

- No outside Condensing unit, refrigerant lines, separate cooling coil

- In Production Since 1965

- Over 1 Million Units Installed Throughout North America
**MGE - Gas / Electric**

**Gas Heating**
- 36, 48 & 60 MBtuh
- 80% AFUE

**Electric Cooling**
- 1, 1.5, 2 & 2.5 Tons
- 10.6 & 12 SEER
  - “Space-Constrained” Unit

**Optional Stainless Steel Heat Exchanger**
**Optional Condenser Air Pre-Filter**
**Optional LPG Conversion Kit**

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**Model Number Guide**

<table>
<thead>
<tr>
<th>36</th>
<th>MG</th>
<th>GE</th>
<th>10</th>
<th>A</th>
<th>18</th>
<th>A</th>
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<tbody>
<tr>
<td>Rated Input BTU/Hr x 100</td>
<td>Magic Pak</td>
<td>GE - Gas/Electric</td>
<td>Nom. Cooling Capacity</td>
<td>SEER</td>
<td>Series</td>
<td>Revision Code</td>
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<td>A-200/230v/60Hz/1</td>
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Direct Vent Appliance per ANSI Z21.47
- Flue Clearance Requirements:
  - 36 & 48 MBtuh - 9” Clearance
  - 60 MBtuh - 12” Clearance

All Combustion Air from Outside

Integral Vent

Combustion Air Blower Cycles For 10 Seconds On Call For Cooling
- Disrupts Insect Activity In Flue
- All products will be R410a compatible by mid 2009
- Certified efficiency & capacity performance through ARI
- Safety performance certified through ANSI & ETL
- All units run tested at the factory and test data stored in system
Easy Installation

- **Completely Self-Contained**
  - Pre-Wired & Pre-Charged
  - No External Condensing Unit
  - No External Chimney
  - No External Combustion Air Duct

- **Installation Requirements**
  - Must Be Installed On An Outside Wall
  - Minimum 4” Base
  - Wall Sleeve
    - 2”, 6”, 8”, 10”, 12” & 16” Wall Thickness
  - Louver
    - Polypropylene
    - Extruded Aluminum
  - Magic-Pak Unit
Utility Connections

- One Line Voltage Connection
- One Low Voltage Connection
- One Gas Connection
- Condensate Drain & Trap
Platform (field supplied) - Must be level with sill plate of hole in exterior wall
Supply Duct
Run internal to soffit/return duct

Soffit
Used as return duct system

NOTE:
Duct sizing is field and application dependent

Return Air
Supply Air

Closet or Utility Room Wall

Unit Platform (Field Supplied)
Minimum 4" height from floor
Easy Service & Installation

- All Service From Inside
- Chassis Remains In Place During Service
- Large Access Panels
- No Burner Adjustments (MGE)
Engineered Material
- “No Break” Polypropylene
- Standard Colors
  - White, Sandstone, Taupestone, Beige

Extruded Aluminum Architectural
- Custom Colors & Sizes
- High Performance “Kynar” Finish
- Clear Anodized
Primary Applications

Condominiums

Apartments
Primary Applications

Student Housing

Senior’s Housing & Assisted Living Facilities
Targeted Customer Profile

Key Customers
- Design Teams
  - Developer
  - Architect
  - Engineer
  - Constructor
- Utilities & ESCO’s
- Building Residents

* Nationwide, customer-focused representation. *
Developers

- Low Installed Cost
- Minimal Maintenance
- Eliminates Entire Building Shutdown
- Individual Metering
- Short down time and easy replacement
Architects

- Creative Solution to Design Problems
- Architectural Control vs. Architectural Chaos
Magic-Pak Advantages

Mechanical Engineers
- Reduction of Liability
- Easily Applied
Magic-Pak Advantages

Constructors

- Quick & Easy Installation
- Easy Coordination Between The Trades
- Fewer Call-Backs
Magic-Pak Advantages

Building Residents
- Personal Comfort Control Year Round
- Indoor Air Quality Options
  - Premium Filters
  - UV Lights
  - Humidifiers
- Low Utility Costs
- Operational Flexibility
Competitive Advantage

Product Heritage
- Manufacturing through the wall systems for over 40 years with over 1.5 million units in the field

Agency Certification
- Certified by third party agencies for reliability

Warranty
- 5 year parts & compressor
- 10 year warranty aluminized heat exchanger
- 20 year stainless heat exchanger

Product Support
- Local distributors, spec reps & national toll free number

Product Features
- Two efficiency levels
- Stainless steel heat exchanger option for gas electric units
Contact Information

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Magic-Pak Applications Line
- Phone (866-282-7257)
  - Application & Engineering Questions
  - Technical Support
  - Literature / Specification Sheets
  - Sales / Marketing / Promotional Items
  - After Hours Contact Number
Thank You
Magic Pak
Questions???