



All Product Guide

Since 1875, L.J. Wing has been a leader in providing innovative solutions for difficult HVAC problems. L.J. Wing's product lines are classified into four categories:

DOOR PROTECTION

- ❖ DH Door Heaters; WAC Air Curtains

COILS

- ❖ IFB, VIFB and MV Integral Face and Bypass Coils

MAKE-UP AIR

- ❖ SAS Steadyair® Make-Up Air Units; FAS Fresh Air Supply Units, and WDF Direct-Fired Gas Heaters

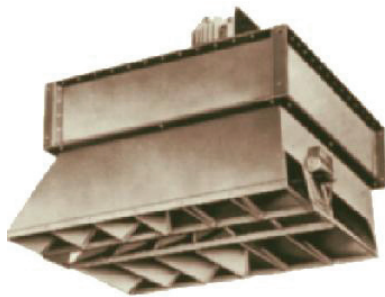
UNIT HEATERS

- ❖ HU, HCF, and HCR Unit Heaters; HMS, HMG High Mounting Series Unit Heaters; GA Gas Assemblies; and HLC High Level Circulators

This guide presents a brief description of each product line.

DOOR PROTECTION

DH DOOR HEATERS



L.J. Wing DH Door Heaters offer efficient steam and hot water heating for loading dock door areas. These units blanket an open loading dock doorway with a stream of high-velocity heated air that thoroughly penetrates and tempers the cold incoming air. These units feature:

- Ten sizes to fit doors from six to fourteen feet wide and heights to twenty-four feet
- Airflow deliveries from 4,300 to 27,000 cfm
- Type HV high-velocity discharge for door heating only applications
- Type VJ Vari-Jet discharge for a combination of door heating and area heating applications

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WAC AIR CURTAINS



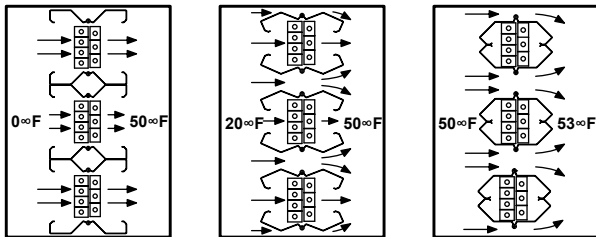
L.J. Wing WAC Air Curtains offer an ideal solution for wind stopping, insect control and environmental separation in commercial, institutional and industrial doorways. These units feature:

- Ten sizes to fit doors from four to sixteen feet wide and heights up to twenty feet
- Airflow deliveries from 2,800 to 24,200 cfm
- Steam, hot water, indirect-fired gas heating options available along with the base unheated model
- Standard and Low Profile motor mountings

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COILS

INTEGRAL FACE AND BYPASS COILS



**FULL FACE
FOR FULL HEAT**

**PARTIAL FACE
FOR SOME HEAT**

**FULL FACE
FOR NO HEAT**

Since their introduction nearly fifty years ago, L.J. Wing integral face and bypass coils have become the industry standard for outside air preheating with steam or hot water. Operating at full steam pressure or full hot water flow, the coils provide a constant delivered air preheat temperature by modulating the flow of air through or around a series of heating sections as the outside air temperature varies. These coils feature:

- Maximum freeze protection
- ARI-Certified performance
- ETL listing to UL Standard 1995
- Availability in three model series: IFB, VIFB and MV as described herein

IFB COILS



L.J. Wing IFB Coils feature:

- Two and four-row steam coils
- Two, three and four row hot water coils
- Side-header coils in seven different face heights from 17" to 67" and eight different face lengths from 18" to 60" to handle airflows from 800 cfm to 24,900 cfm
- Center-header coils in seven different face heights from 17" to 67" and ten different face lengths from 66" to 120" to handle airflows from 3,100 cfm to 50,000 cfm
- Sloped tubes to assure positive condensate drainage
- Side-mounted actuation

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VIFB COILS



L.J. Wing VIFB Coils feature:

- One, two and three row steam coils
- One and two row hot water coils
- Six different face heights from 24" to 96" and eleven different face lengths from 21" to 129" to handle airflows from 1,400 cfm to 77,200 cfm
- Vertical tubes to assure positive condensate drainage
- Floating bottom header to accommodate thermal expansion
- Side-mounted or space-saving face-mounted actuation

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MV COILS



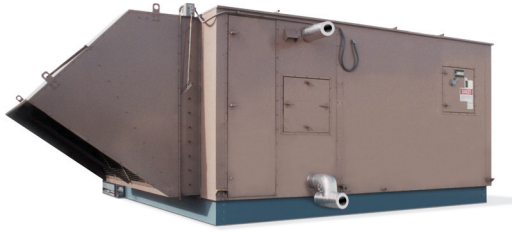
L.J. Wing MV Coils feature:

- Multi-header design to provide enhanced temperature control; ideal for VAV systems
- Two row steam or hot water coils
- Six different face heights from 24" to 96" and ten different face lengths from 32" to 129" to handle airflows from 2,200 cfm to 77,200 cfm
- Vertical tubes to assure positive condensate drainage
- Floating bottom header to accommodate thermal expansion
- Side-mounted or space-saving face-mounted actuation

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MAKE-UP AIR

SAS STEADYAIR® AIR HANDLERS



L.J. Wing SAS Steadyair® air handlers are reliable heating and ventilating make-up air packages. They provide all the advantages of the proven L.J. Wing IFB integral face and bypass coil, including positive freeze protection, accurate temperature control, constant air volume and elimination of stratification. These units also feature:

- Indoor and outdoor configurations
- Airflow deliveries from 1,000 to 40,000 cfm
- Models with one or two forward curved, double-width, double-inlet, centrifugal fans
- Available with L.J. Wing's fixed or rotating discharge

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FAS FRESH AIR SUPPLY UNITS



L.J. Wing FAS Fresh Air Supply units utilize integral face and bypass coil technology to provide positive freeze protection for make-up air heating with steam or hot water. These units also feature:

- Propeller fans for a compact, low cost design
- Fifteen models with airflow deliveries from 855 to 26,000 cfm
- Horizontal configuration for wall-mounted or ducted applications
- Vertical configuration with either fixed or rotating discharges for use with roof-mounted intake air hoods
- Ideal for combustion air preheat applications

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WDF DIRECT-FIRED GAS HEATERS



L.J. Wing WDF Direct-Gas Fired Heaters provide a cost effective, reliable make-up air heating solution for commercial, institutional and industrial applications. These units feature:

- All-Fire line burner with 25:1 turndown
- Two sizes to heat from 2,000 to 7,000 cfm
- Natural gas or propane firing
- Available in both horizontal and vertical configurations
- DDC controls as standard
- BACnet and LonWorks compatible
- Optional mixing box for return air operation
- ETL listing

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UNIT HEATERS

HU, HCF, HCR UNIT HEATERS



L.J. Wing HU, HCF and HCR unit heaters operate with steam or hot water and feature:

- HU units for horizontal airflow are available in nineteen sizes with airflows from 750 to 27,000 cfm, mounting heights to 28 feet, and effective heating throws to 180 feet
- HCF and HCR units for vertical airflow are available in eighteen sizes with airflows from 885 cfm to 27,000 cfm
- HCF units have fixed discharges capable of coverage up to 150 feet by 150 feet and mounting heights to 63 feet
- HCR units have rotating discharges capable of coverage up to 195 by 195 feet and mounting heights to 73 feet

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GA GAS ASSEMBLIES



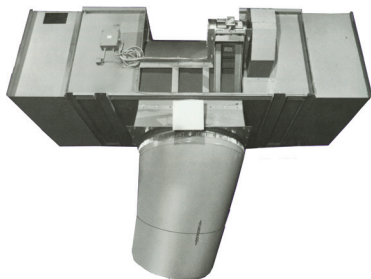
L.J. Wing GA Gas Assemblies are indirect-fired gas unit heaters that bundle two or four duct furnaces with an axial flow propeller fan and one of Wing's unique fixed or revolving discharges to provide a dependable source of heated air for large open space or door heating applications.

These units feature:

- Six models with inputs from 400 to 1,600 MBH
- Airflow deliveries from 6,000 to 22,500 scfm
- Available with eight different discharge designs for large open space applications
- Available with two different discharge designs for door heating applications
- Propeller fans for low power consumption

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HMS, HMG HIGH MOUNTING SERIES



L.J. Wing HMS and HMG High Mounting Series unit heaters are designed specifically for aircraft hangar and very high ceiling applications. Units consist of a steam or hot water (type HMS) or indirect-fired gas (type HMG) heating section coupled with a high performance revolving discharge section for air projection and distribution. These units feature:

- Four HMS models with airflows to 30,800 cfm and mounting heights to 115 feet
- Four HMG models with airflows up to 29,800 cfm and mounting heights to 105 feet
- Backward-inclined fans

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HLC HIGH LEVEL CIRCULATORS



L.J. Wing HLC High Level Circulators provide a cost-effective solution for temperature destratification in high ceiling areas. The units draw in, and then redistribute to the floor, heat that would normally be wasted through the roof and upper walls. These units feature:

- Fourteen models to handle from 2,000 to 27,000 cfm
- Available with four designs of fixed discharges and four designs of revolving discharges to meet project requirements
- Optional mixing box for ventilation air applications

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