

Halton - KDS

Kitchen Distribution Systems





A Distribution System for Today's Kitchen

The Halton Kitchen Distribution System (KDS) is a custom built general utility center that provides distribution controls for as many foodservice equipment mechanical services as required. It can include any combination of gas, hot water, cold water, chilled water, compressed air, electrical power, fire and safety control, steam supply and condensate return line... all in a single stainless steel structure.

The KDS is a compact assembly that provides a practical, versatile and efficient way of distributing utilities in commercial cooking operations. Kitchen Distribution Systems are available in incremental lengths, and are suitable for island or wall mount installations. Not only is it a convenient way of distributing the kitchen utilities, it is economical.

The KDS is a totally enclosed system with no exposed piping or electrical conduits except for the main connections and even these can enter the riser cabinet from below. The totally enclosed structure simplifies cleaning, servicing and maintenance. Simplicity, however, goes beyond servicing and maintenance because they are inspected, tested and UL labeled before they leave the factory. They have additional advantages over separately installed utilities. One outstanding advantage is the overall economy during the life cycle of the installation.

The use of a KDS actually reduces the cost of installation with a single point hookup for each utility in the unit.

For servicing and maintenance, there is easy access to its electrical and mechanical components.

The KDS provides for many advantages that are not available with conventional job-site constructed utility walls. Flexibility to replace or re-arrange appliances is simple during the design stage or after installation. Trade coordination is not an issue and stub-in locations for all appliances is point specific.












Standard Features

Electrical	Main breaker and shunt trip, distribution breakers and the required industrial breakers. Single phase or 3-phase safety shunt trip breakers, electrical cords and pugs.
Gas	Gas main with automatic shut off valve, tap for equipment, and shut off valves for each piece of equipment served. Gas hoses and quick disconnects.
Water	Hot and cold water lines with taps and valves for separate equipment requirements. Water hoses and quick disconnects.
Steam	Steam and condensate returns with taps and valves.
Controls	Built in controls for fire system interlock, fan controls, UV, Water Wash and Demand Control (optional).
Equipment Label	Identifies appliance connection locations.

Optional Features

- Hoses and quick disconnects
- Restraining devices
- Ground fault protection
- Circuit status indicators
- Bumper rails
- Hand Sinks (Risor Mounted), IPS or web connections, water or air retractable reels
- Fire protection system components and controls in the risers
- Fan motor starter contactors and labeled field wire terminals
- Prison package
- Fill faucets
- Exhaust hood controls in the riser
- Slim line 8" wide models available for electric (up to 250 AMP), gas and water services (consult factory)

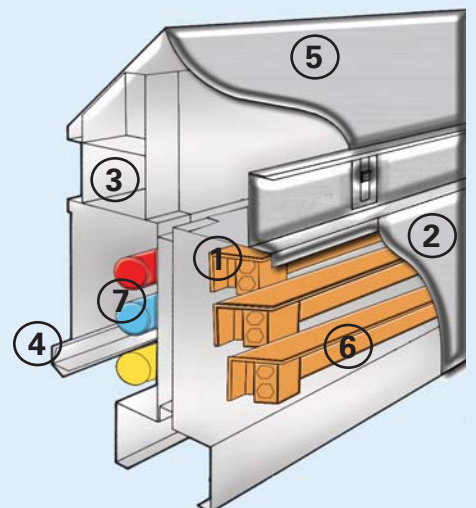
Full Function Capabilities

	Gas		Cold Water		Chilled Water
	Electrical		Steam Supply		Chilled Water Return
	Hot Water		Steam Return		Compressed Air

KDS Raceway Schematic

KDS construction is 18 gauge or heavier 300 series stainless steel.

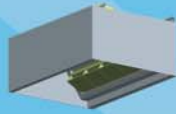
- 1 Isolated electrical chase
- 2 Access panel
- 3 Branch circuit breaker location
- 4 Equipment bumper rail (Optional)
- 5 Sanitary peak
- 6 Wire raceway or bus bars
- 7 Isolated plumbing chase with branch plumbing connections with optional quick disconnect fittings and color coded hoses



Halton's Engineered Systems also include:



Capture Jet Hoods



Extraction Hoods



Ventilated Ceiling System



Utility Distribution



Air Purification



Ductless Systems



Roof Top Equipment



Fire Safety



Air Flow Management



Displacement Ventilation

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