

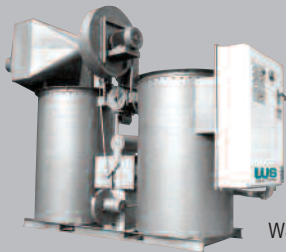
GAS-FIRED HEATERS FOR DESICCANT OR HOT AIR DRYING SYSTEMS



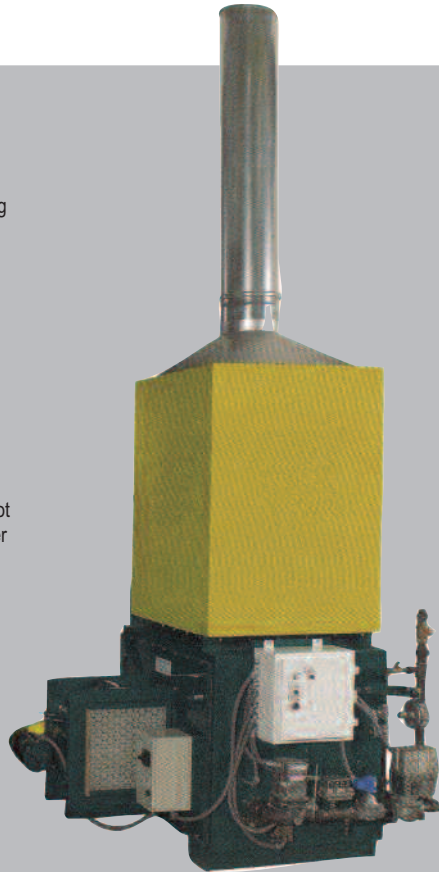
SD Drying Hopper



WSA Hot Air Dryer



WSD Dryer



Gas-Fired Heater

- Used with all hot air and dehumidifying dryers

Standard Features

- Heavy-duty ultra high efficiency stainless steel process air heat exchanger
- Stainless and cast iron air heat burner around indirect fired gas process heater
- Modulated gas burner control with 20:1 turndown ratio for precise control of process air and material temperature
- Process air volumes from 600 to 4000 CFM (17-114 m³/m). Up to 400°F (205°C)
- Highly efficient direct fired regeneration heater with temperatures to 800°F (425°C) for thorough regeneration of desiccant
- Process air dew point of -40°F (-40°C) or lower
- User-friendly microprocessor-based control with keypad and easy-to-read display for all functions. (PLC based controls optional)
- Efficient operation using natural gas or propane with minimal adjustment
- More moisture absorbent than a standard desiccant dryer for plastics
- Energy efficient ceramic insulation in the firebox
- Compact design requires minimum floor space
- All flame safety controls meet AGA, FM and IRI requirements. UL/CSA listed

Optional Features

- ERS[®] Energy Heat Recovery System for increased efficiency. Captures waste heat of return air system to save energy and reduce operating costs.

- Indirect fired process heaters use economical gas to provide an energy efficient solution (up to 80%), unmatched in the industry.
- Direct fired regeneration heaters are available to provide maximum separating efficiency with minimal loss in heat transfer.
- Various sizes of gas-fired process and regeneration heaters are available to provide maximum operating efficiency to your ACS Group • Walton/Stout dryer.

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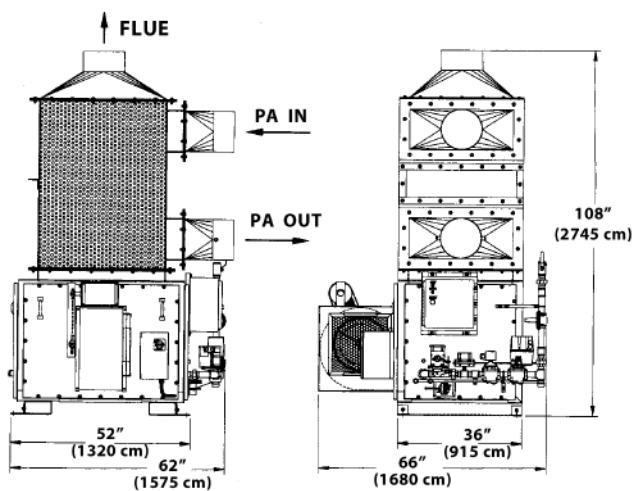
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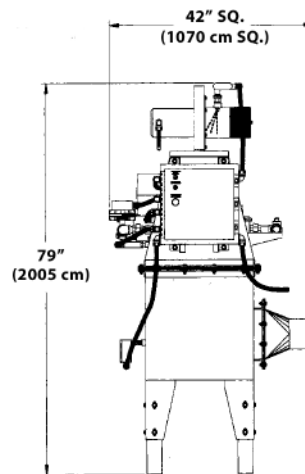
GAS-FIRED HEATERS

FOR DESICCANT OR HOT AIR DRYING SYSTEMS

Air Flow ACFM (m ³ /hr)	Heat Output (BTU/HR)*		Average Gas Flow (FT ³ /HR)		Gas Line (Insulated)	Process Duct Dia. (Insulated) in (mm)	Exhaust Flue Dia. (Insulated) in (mm)	Average Flue Temp °F (°C)	Weight lbs (kgs)
	@ 350 °F (177°C)	@ Max Temperature	@ 350 °F (177°C)	@ Max Temperature					
600 (1020)	131,770	250,000	132	250	1	6 (150)	8 (200)	300 (150)	1685 (764)
750 (1275)	164,710	500,000	165	500	1	6 (150)	8 (200)	300 (150)	1685 (764)
1000 (1700)	219,620	500,000	220	500	1	8 (205)	8 (200)	300 (150)	1685 (764)
1200 (2040)	263,540	500,000	264	500	1	8 (205)	8 (200)	300 (150)	1685 (764)
1500 (2550)	329,420	500,000	329	500	1	8 (205)	10 (255)	300 (150)	1977 (897)
2000 (3400)	439,230	750,000	439	750	1	10 (255)	10 (255)	300 (150)	1977 (897)
2500 (4250)	549,040	750,000	549	750	1	10 (255)	10 (255)	300 (150)	1977 (897)
3000 (5100)	658,840	1,000,000	659	1000	1	12 (300)	12 (300)	300 (150)	2550 (1157)
3500 (5450)	768,650	1,250,000	769	1250	1	12 (300)	12 (300)	300 (150)	2550 (1157)
4000 (6800)	878,460	1,250,000	878	1250	1	12 (300)	12 (300)	300 (150)	2550 (1157)



**Model 3000 PA Gas Heat Exchanger
Assembly**



**Model 1000-4000 Gas Regeneration Heater Box
Assembly**

NOTES:

1. Process air (PA) temperature range 150°F (65°C) to 400°F (205°C).
2. Gas required is 1/2 psi (.03 bar) plant pressure regulated to 6" WC for delivery to the burners
3. Gas train controls provide for a flame acknowledgement period and a system purge on start-up
4. PA heat exchanger is T-304-L stainless steel.
5. Standard voltage is 230 or 460/3/60

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