

850 GAS VALVE & HEATING OPPORTUNITIES



Robertshaw
RANCO • PARAGON • CASTFUTURA

www.robertshaw.com

ROBERTSHAW: A LEGACY OF INNOVATION

We began in 1899 when our founder, Frederick W. Robertshaw, invented the thermostat.

Today, we have the broadest portfolio of flow control solutions sought by the world's leading manufacturers. Our global team of engineers, designers and manufacturing experts make products that are safe, innovative and reliable.

40,000

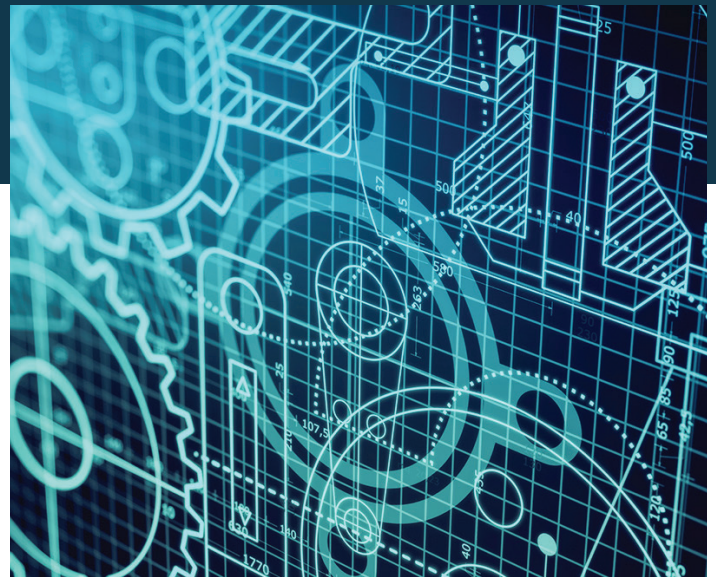
Sophisticated Controls
for Commercial
and Home Applications

200+

Patented Inventions

600+

Global Engineers
Dedicated to Continued
Innovation



THE PERFECT PARTS, THE PERFECT FIT

This is your one-stop destination for finding quality components to get equipment back up and running smoothly. Each has been engineered to provide long-lasting, trouble-free performance.

850 GAS VALVE SPECIFICATIONS

		1" Pressure Drop Capacity		Ranges of Regulation		Regulator Setting		Outlet Pressure Range		
		BTU/HR		BTU/HR		" W.C.		" W.C.		
Part Number	Pipe Size	NG	LP	NG adj	LP adj	NG	LP	NG	LP	Flow Direction
850-001	1/2"x1/2"	150,000	230,000	15,000-275,000	40,000-320,000	3.5	10	3.0 to 5.5	8.0 to 12.0	Straight Through

850 GAS VALVE CROSS-REFERENCE



Easily find compatible replacements for the 850 Gas Valve from leading brands like Carrier, Honeywell, Lennox, White Rodgers, and York, plus many more.

Scan the QR code or click the button below to view the full cross-reference table and ensure the right fit.

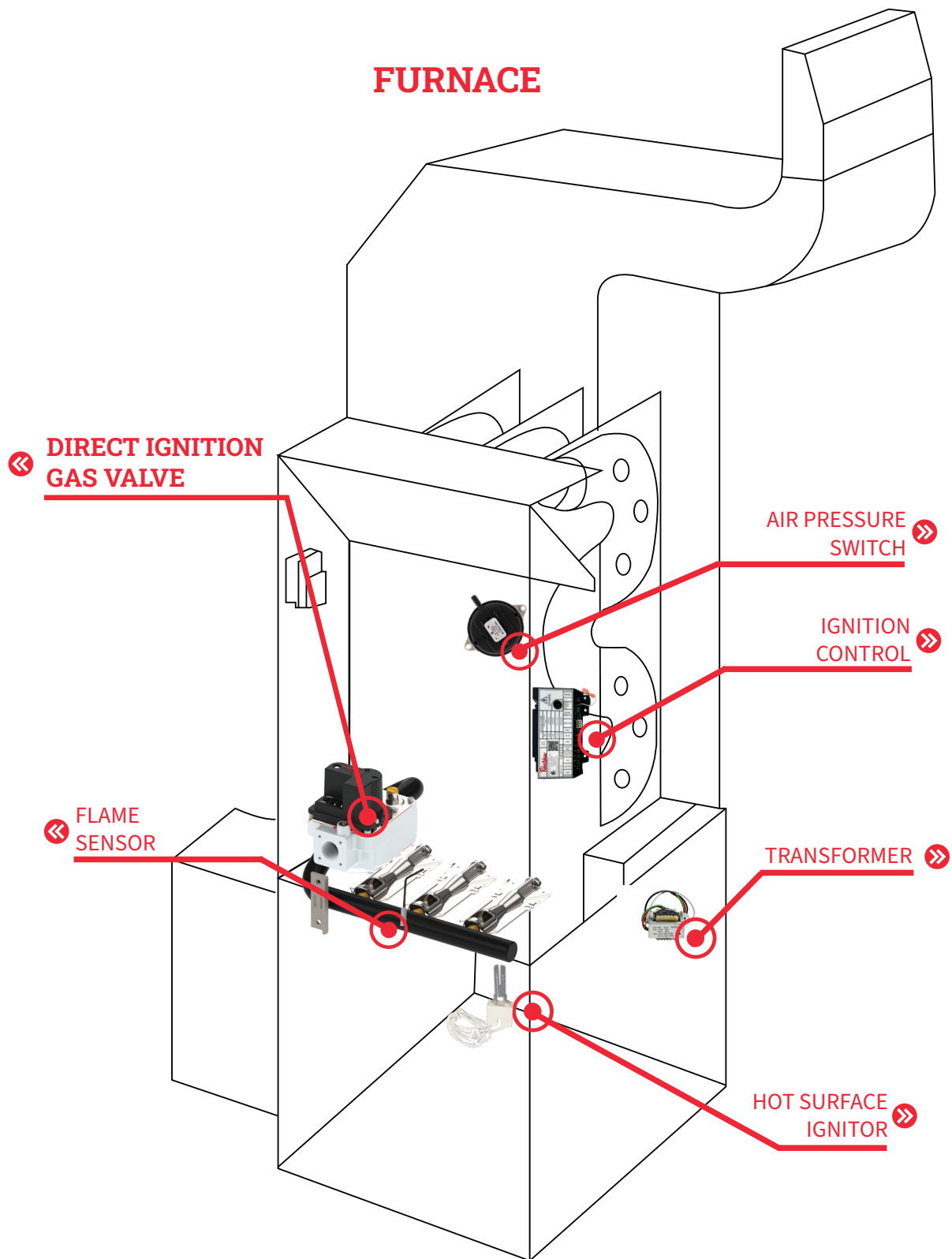
Cross-Reference

850 GAS VALVE APPLICATIONS


	HVAC	Cooking	Commercial Dryers	Heaters	Fireplace	Gas-Fired Water Heaters	Pool Heaters	High Efficiency Furnaces	Condensing Boilers	Rooftop HVAC
	Furnaces and Gas Fired Boilers	Fryers, Pizza Ovens,Griddles		Mobile home, Garage, Shop, Wall, Farmhouse						
850-001 Direct Spark Ignition	X			X						






Robertshaw has over a century-long legacy of innovating high-performing gas valves for heating applications.







850 GAS VALVE SERIES

Product	Features & Benefits
<p>Direct Ignition Gas Valve</p>  <p>850-001</p>	<ul style="list-style-type: none">• Ground wire connection.• Pressure tap for checking inlet and outlet gas pressure.• Complies with CSA and (UL optional) requirements and carries the seal for commercial cooking.• Instantaneous, slow opening.• Multi-poise mounting.• Quick connect and screw terminals for convenience wiring. <p>Learn More ></p>




AIR PRESSURE SENSING SWITCHES

Product	Features & Benefits
<p>Air Pressure Sensing Switch Series</p>  <p>2374-522</p>  <p>2374-500</p>  <p>2374-510</p>	<ul style="list-style-type: none">• Replaces many air sensing switches in furnaces, electronic air cleaners, and humidifiers.• Two models with adjustable ranges are available.• SPDT switch works with positive, negative, or differential pressure.• Highly accurate and operates from -40°F to 190°F.• Mounting hardware and an adjustment tool are included. <p>Learn More ></p>


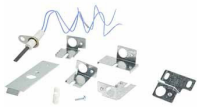

FLAME SENSORS

Product	Features & Benefits
<p>680 Direct Replacement Flame Sensor Series</p>  <p>10-681</p>  <p>10-6840</p>  <p>10-6850</p>  <p>10-6830</p>	<ul style="list-style-type: none">• Direct Replacement for Trane, Goodman, Lennox and Rheem.• Sensor rods that withstand temperatures up to 1800°F.• Designed specifically to match the original specifications and requirements of the equipment. <p>Learn More ></p>




IGNITION CONTROLS

Product	Features & Benefits
<p>780U Universal Ignition Control Series</p>  <p>780U-DS20</p>  <p>780U-HS30</p>  <p>780U-IP10</p>	<ul style="list-style-type: none">• Highly configurable 24V modules.• Optimized for gas furnaces, water heaters, commercial cooking equipment, and unit heaters.• Up to 32 preloaded configurations for easy installation.• Replaces over 700 part numbers.• Simplifies inventory management.• Ensures seamless operation across various replacement models. <p>Learn More ></p>


IGNITORS

Product	Features & Benefits
<p>41-400 Series Silicon Carbide Hot Surface Ignitors</p>  <p>41-408</p>	<ul style="list-style-type: none">• Dependable ignition for various heating systems.• Compatible with furnaces, boilers, rooftop heaters, infrared burners, and unit heaters.• Suitable for water heaters and other types of HVAC equipment. Learn More >
<p>IgnitorPro Universal Ignitors Series</p>  <p>41-802N</p>	<ul style="list-style-type: none">• Replace more than 150 ignitors from leading OEMs.• Round and flat blade designs available.• Includes all mounting brackets and hardware.• Constructed with silicon nitride, the new industry standard for durability. Learn More >
<p>OEM Direct Replacement Silicon Nitride Ignitors</p>  <p>41-426N</p>	<ul style="list-style-type: none">• Robertshaw's silicon nitride ignitors are direct replacements for many leading OEM models.• The ignitors are constructed with sturdy, long-lasting silicon nitride to ensure maximum longevity. Learn More >




PILOTS

Product	Features & Benefits
<p>1820 Series Pilot Uni-Kits</p>  <p>1830-620</p>	<ul style="list-style-type: none">• Many flame pattern types available.• Thermocouple or thermopile options.• Spark electrode available.• Horizontal or vertical gas inlet.• Several mounting bracket types available.• Aerated pilots with non-linting characteristics. Learn More >
<p>1830 Series Pilot Uni-Kits</p>  <p>1830-620</p>	<ul style="list-style-type: none">• Compatible with all Robertshaw® and most thermocouples.• Converts threaded thermocouple/thermopile Model 2CH to snap-in thermocouple Model 2C.• Includes an adaptor for versatility. Learn More >
<p>Carrier Electronic Pilot Burner with Safety Switch</p>  <p>1830-620 1830-620K</p>	<ul style="list-style-type: none">• Differential expansion pilot with a 3-lead SPDT switch for use with a hot surface ignitor or spark ignition.• Yellow, white and green wires with Molex plug adaptor.• Includes flame sensing, heat activated relay at base of pilot module.• 830-620K kit comes complete with Robertshaw 10-680 electrode assembly.• CSA approved control. Learn More >

TRANSFORMERS

Product	Features & Benefits
<div>620 Transformer Series</div> <div></div> <div>620-205</div>	<ul style="list-style-type: none">• Available in a wide variety of models from universal enclosed to single voltage open frame models.• UL approved 1411.• Meets applicable NEMA standards.• Thermal fuse protection. <div>Learn More ></div>

THERMOCOUPLES & THERMOPILES

Product	Features & Benefits
<div>1970 Thermocouple Uni-Couple Series</div> <div></div> <div>1970-036</div>	<ul style="list-style-type: none">• Easy burner installation with attached threaded nut• Stainless steel outer jacket for long life and resistance to heat blistering• Combination of copper and nickel alloys for good electrical conductivity• Mica washer to insulate from shorting conditions• Tinnerman clip included• Various lengths available for multiple applications <div>Learn More ></div>
<div>1980 Snap-Fit Thermocouple Series</div> <div></div> <div>1980-024</div>	<ul style="list-style-type: none">• Install easily into the majority of pilot burners.• Made without complicated adaptors.• Extra insulation is provided by the brass sheath for high ambient temperatures. <div>Learn More ></div>
<div>1950 & 1951 Thermopile Series</div> <div></div> <div>1950-001</div>	<ul style="list-style-type: none">• Easy burner installation with attached threaded nut.• Stainless steel outer jacket for long life and resistance to heat blistering.• Combination of copper and nickel alloys for lectrical conductivity.• Mica washer to insulate from shorting conditions.• Tinnerman clip included.• Various lengths available for multiple applications. <div>Learn More ></div>