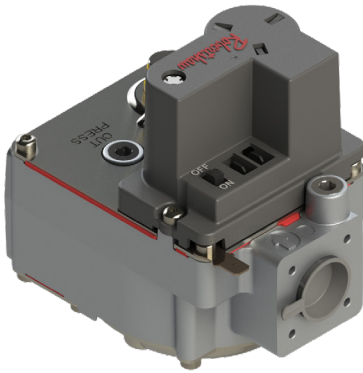


8500 Series

Direct Spark Ignition Gas Valves

Robertshaw



1 Year
Limited
Warranty



Customer Service
+1 800 304 6563
HVACCustomerService
@robertshaw.com

Technical Service
+1 800 445 8299
TechnicalService
@robertshaw.com

www.robertshaw.com
©2025 Robertshaw
07/25 150-2989

Description

The Robertshaw® 8500 Series Gas Valves are designed for light commercial and residential applications with direct ignition (DSI) and hot surface ignition (HSI) systems such as furnaces, central heating units, space heaters, wall heaters, and mobile home furnaces. Setting this valve apart from the competition is its excellent regulation control, compact size and ON/OFF electrical switch.

Features and Benefits

- Ground wire connection
- Pressure tap for checking inlet and outlet gas pressure
- Complies with CSA requirements and carries the seal for commercial cooking
- Fast opening
- Multi-poise mounting, (any angle between 0° and 90° from upright. Note the Valve cannot be mounted upside down.)
- Quick connect and screw terminals for convenience wiring
- Includes reducer bushings and LP conversion kits

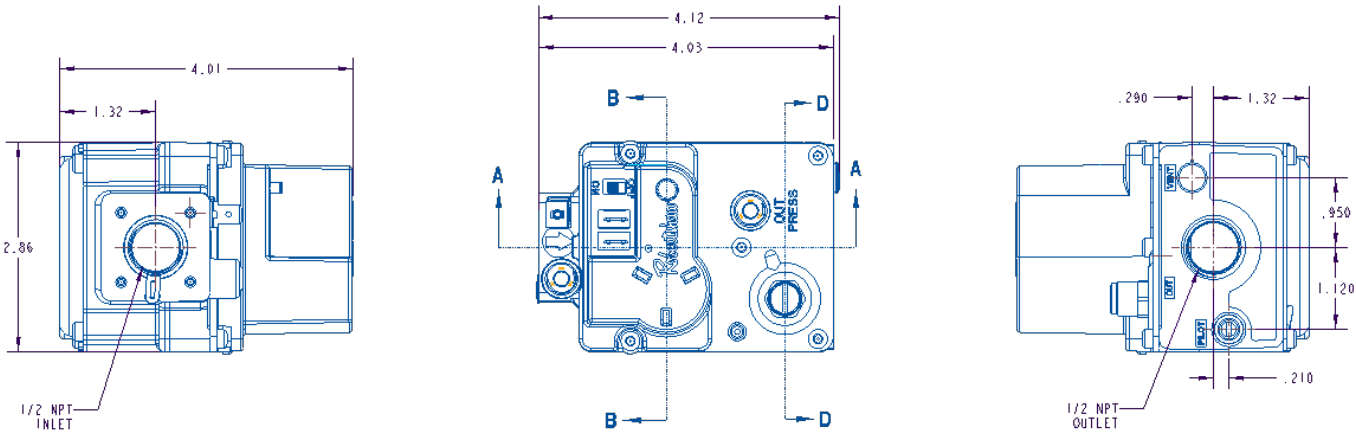
Specifications

Electrical Rating	.28 Amps
Operating Voltage	24VAC 60Hz
Temperature Operating Range	-40°F to 175°F (-40°C to 80°C)
Maximum Pressure Rating	1/2 PSI
Inlet and Outlet Pressure Taps	1/8" NPT
Mounting	Multipoise
Agency Approvals	CSA
Range of Regulation Adjustments	3.0" to 5.5" Natural Gas 8.0" to 12.0" LP Fixed regulation: Maximum operation pressure is 1/2 PSI
Outlet sizes	Straight out: 1/2" NPT female threads
Inlet Sizes	Straight in: 1/2" NPT female threads
Power Consumption	5 Watts
Type	N.E.C. class 2

		1" Pressure Drop Capacity		Ranges of Regulation		Regulator Setting		Outlet Pressure Range		Flow Direction
		BTU/HR		BTU/HR		" W.C.		" W.C.		
Part Number	Pipe Size	NG	LP	NG adj	LP adj	NG	LP	NG	LP	
850-001	1/2" x 1/2"	150,000	230,000	10,000 - 250,000	30,000 - 320,000	3.5	10	3.0 to 5.5	8.0 to 12.0	Straight Through

Product Dimensions

Their compact size, with a swing radius of 2.9" will fit most OEM and replacement applications.



Replacement Information

Replacement Gas Valve	OEM	OEM Part Number
850-001	Armstrong	VR8205S2338
850-001	Carrier	EF 32CW 031
850-001	Carrier	EF32CB201
850-001	Carrier	EF32CW031
850-001	Carrier	EF32CW035
850-001	Carrier	VR8205S2437
850-001	Ducane	60J2101
850-001	Ducane	69J2101
850-001	Ducane	VR8205S2858
850-001	Festo	12908
850-001	Gemini	D673493P01
850-001	Gemini	D674536P01
850-001	Gemini	D674540P01
850-001	Goodman	B1282614
850-001	Goodman	B12826-14
850-001	Goodman	B1282626
850-001	Goodman	B1282628
850-001	Goodman	C64769-10
850-001	Goodman	C6476911
850-001	Hire Hand	3004-1301
850-001	Honeywell	VR8205A2008
850-001	Honeywell	VR8205A2016
850-001	Honeywell	VR8205A2065
850-001	Honeywell	VR8205A2081
850-001	Honeywell	VR8205A2131
850-001	Honeywell	VR8205A2263
850-001	Honeywell	VR8205A2800
850-001	Honeywell	VR8205M1106
850-001	Honeywell	VR8205M1122
850-001	Honeywell	VR8205M1130
850-001	Honeywell	VR8205M1155
850-001	Honeywell	VR8205M1163
850-001	Honeywell	VR8205M2310
850-001	Honeywell	VR8205M2401
850-001	Honeywell	VR8205M2484
850-001	Honeywell	VR8205M5024

Replacement Gas Valve	OEM	OEM Part Number
850-001	Honeywell	VR8205M5032
850-001	Honeywell	VR8205S2270
850-001	Honeywell	VR8205S2353
850-001	Honeywell	VR8205S2361
850-001	Honeywell	VR8205S2882
850-001	Honeywell	VR8205S5802
850-001	Honeywell	VR8205S5828
850-001	Honeywell	VR8205S5844
850-001	Honeywell	VR8215S1222
850-001	Honeywell	VR8215S1263
850-001	Honeywell	VR8215S1503
850-001	Honeywell	VR8215S5207
850-001	Honeywell	VR8215S5215
850-001	Intertherm	VR8205S2262
850-001	Lennox	28G1401
850-001	Lennox	VR8205M1080
850-001	Lennox	VR8205M2476
850-001	Lennox	VR8205M2831
850-001	Lennox	VR8205M2864
850-001	Lennox	VR8205S2379
850-001	Modine	11J28-06892-001
850-001	Modine	5H0797510000
850-001	Modine	5H0798690000
850-001	Modine	VR8205S5836
850-001	Mr. Heater	VR8205M2872
850-001	Mr. Heater	VR8205M2880
850-001	Reznor	VR8205M1148
850-001	Ruud	VR8205S2395
850-001	Trane	C341950P01
850-001	Trane	VAL07731
850-001	Trane	VAL07973
850-001	Trane	VAL08710
850-001	Trane	X13120655010
850-001	Trane	X13120657010
850-001	Trane	X13120669010
850-001	Trane	X13120672010
850-001	Vulcan Hart	VR8205S2296



Replacement Information Continued

Replacement Gas Valve	OEM	OEM Part Number
850-001	White Rodgers	36E16-101
850-001	White Rodgers	36E16-102
850-001	White Rodgers	36E16-201
850-001	White Rodgers	36E16-202
850-001	White Rodgers	36E16-203
850-001	White Rodgers	36E16-204
850-001	White Rodgers	36E16-205
850-001	White Rodgers	36E16-206
850-001	White Rodgers	36E16-207
850-001	White Rodgers	36E29-101
850-001	White Rodgers	36E29-201
850-001	White Rodgers	36E29-202
850-001	White Rodgers	36E29-203
850-001	White Rodgers	36E30-201
850-001	White Rodgers	36E32-101
850-001	White Rodgers	36E32-102
850-001	White Rodgers	36E32-201
850-001	White Rodgers	36E36-284
850-001	White Rodgers	36E36-3
850-001	White Rodgers	36E36-4
850-001	White Rodgers	36E36-5
850-001	White Rodgers	36F22-202
850-001	White Rodgers	36F22-203
850-001	White Rodgers	36F22-209
850-001	White Rodgers	36F22-210
850-001	White Rodgers	36F22-213
850-001	White Rodgers	36F22-215
850-001	White Rodgers	36F22-216
850-001	White Rodgers	36G22-202
850-001	White Rodgers	36G22-203
850-001	White Rodgers	36G22-204
850-001	White Rodgers	36G22-205
850-001	White Rodgers	36G22-206
850-001	White Rodgers	36G22-207
850-001	White Rodgers	36G22-208
850-001	White Rodgers	36G22-209
850-001	White Rodgers	36G22-210
850-001	White Rodgers	36G22-211

Replacement Gas Valve	OEM	OEM Part Number
850-001	White Rodgers	36G22-212
850-001	White Rodgers	36G22-213
850-001	White Rodgers	36G22-214
850-001	White Rodgers	36G22-216
850-001	White Rodgers	36G22-217
850-001	White Rodgers	36G22-218
850-001	White Rodgers	36G22-220
850-001	White Rodgers	36G22-221
850-001	White Rodgers	36G22-223
850-001	White Rodgers	36G22-257
850-001	White Rodgers	36G22-501
850-001	White Rodgers	36G22-502
850-001	White Rodgers	36G22-510
850-001	White Rodgers	36G22-512
850-001	White Rodgers	36G22Y-202
850-001	White Rodgers	36G22Y-203
850-001	White Rodgers	36G22Y-205
850-001	White Rodgers	36G22Y-217
850-001	White Rodgers	36G29-202
850-001	White Rodgers	36J22-203
850-001	White Rodgers	36J22-206
850-001	White Rodgers	36J22-207
850-001	White Rodgers	36J22-208
850-001	White Rodgers	36J22-209
850-001	White Rodgers	36J22-214
850-001	White Rodgers	36J22-215
850-001	White Rodgers	36J22-216
850-001	White Rodgers	36J22-222
850-001	White Rodgers	36J22-223
850-001	White Rodgers	36J22-225
850-001	White Rodgers	36J22-257
850-001	White Rodgers	36J22-501
850-001	White Rodgers	36J22-502
850-001	White Rodgers	36J22Y-202
850-001	York	025-38979-000
850-001	York	M414445
850-001	York	M414446
850-001	York	VR8205A2024

