

SureFire *Burner*



**The burner designed specifically for the
pressure washer industry!**

(see next page for details)

BURNERS & COILS

LANDA SureFire Burners

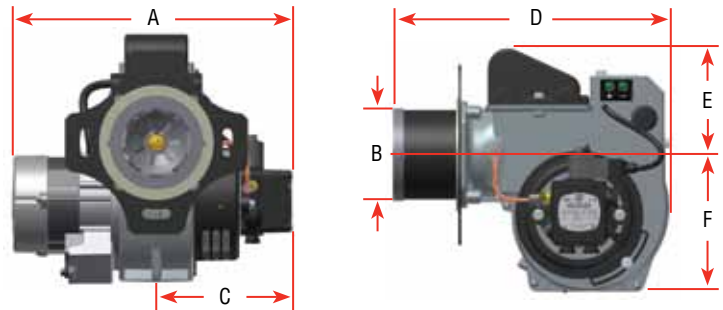


SureFire oil burners by LANDA are a leader in performance, reliability, and energy efficiency. Industry exclusive features provide a durable, maintenance free package. Designed especially for the harsh environment of the pressure washer industry, these burners are built to provide years of trouble-free service.

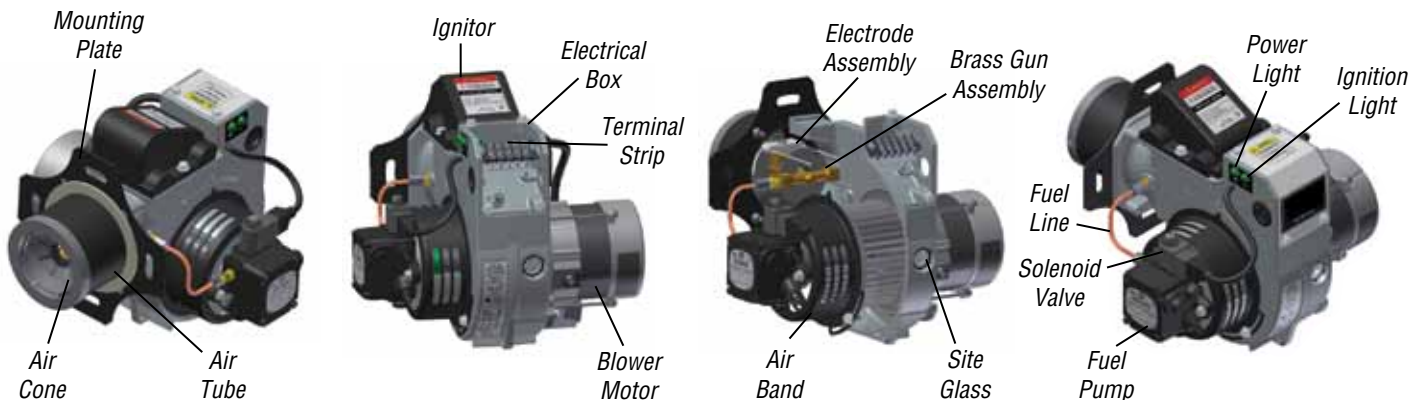
- 0.75 to 3.0 GPH
- 56,000 to 420,000 BTU's
- Exceptional performance even at low GPH for a wide range of applications
- Easy to service due to overall simple ease of making adjustments and overall design
- Sight glass for viewing spark, ignition, and fan provides at-a-glance performance monitoring of inside of burner
- Solid State, high output ignitors for better ignition
- Power and ignition indicator lights show that burner is working
- Corrosion-free die cast aluminum fan housing with slide-in guide for forged brass gun assembly
- Dependable Suntec fuel pumps are the best in the industry
- Forged brass gun assembly with self-aligning electrodes for reliable ignition
- Water-tight electrical box with numbered terminal strip and wiring diagram for quick and easy installation
- Fuel options include No. 1 or 2 heating oil, No. 1 or 2 diesel fuel, or kerosene
- ETL Listed to UL and CSA Safety Standards

Dimensions in inches for all models

A	B	C	D	E	F
12.25	3.0	5.75	13.0	3.0	6.0



Part No	Motor/Ignitor Voltage	Motor	Solenoid Voltage	Air Cone Size	Firing Rate Min (GPH)	Firing Rate Max (GPH)	Tube Length
8.918-916.0	120V	1/6 HP, 3450 RPM, Continuous-Duty, Split-Phase, Capacitor-Start	24V	F22	2.0	3.0	3"
8.918-914.0	120V	1/6 HP, 3450 RPM, Continuous-Duty, Split-Phase, Capacitor-Start	24V	F12	1.25	2.0	3"
8.918-913.0	120V	1/6 HP, 3450 RPM, Continuous-Duty, Split-Phase, Capacitor-Start	120V	F22	2.0	3.0	3"
8.918-915.0	120V	1/6 HP, 3450 RPM, Continuous-Duty, Split-Phase, Capacitor-Start	120V	F12	1.25	2.0	3"
8.918-920.0	120V	1/6 HP, 3450 RPM, Continuous-Duty, Split-Phase, Capacitor-Start	120V	F4	0.75	1.25	3"
8.918-917.0	230V	1/6 HP, 3450 RPM, Continuous-Duty, Split-Phase, Capacitor-Start	24V	F22	2.0	3.0	3"
8.918-918.0	230V	1/6 HP, 3450 RPM, Continuous-Duty, Split-Phase, Capacitor-Start	120V	F22	2.0	3.0	3"
8.918-919.0	12VDC	1/7 HP, 3450 RPM, Continuous-Duty, Shunt-Wound	12-24V	F22	2.0	3.0	3"



115 / 230 Volt Oil Burners



- .4 to 3 GPH firing rate
- 6-1/4" Blower fan 115V and 230V
- 3,450 RPM Pump/blower motor
- Solid state ignition
- Beckett "CleanCut" fuel pump with oil valve
- Air tube 2-3/4"
- UL recognized

Part #	Old No.	Description
8.709-325.0	307032	Beckett AFG 115
8.709-326.0	307036	Beckett AFG 230

Beckett Burner Chart

BURNER				MOTOR			BLOWER WHEEL			IGNITOR ASSEMBLY		
Part No	Old No	Description	Becket No	Part No	Old No	Becket No	Part No	Old No	Becket No	Part No	Old No	Becket No
8.709-326.0	307036	AFG / 240Vac	VMG202	9.802-635.0	079608	21174U	9.802-649.0	079517	2999U	9.802-661.0	079668	21175U*
8.709-325.0	307032	AFG / 120Vac	VMG902	9.802-642.0	079602	21805U	9.802-649.0	079517	2999U	9.802-647.0	079669	51771U
8.709-327.0	307059	ADC / 13.5Vdc- W/O ICB*	VMG504	9.802-638.0	079613	21699UF	9.802-636.0	079518	21404U	8.701-131.0	079671	51777U
8.709-328.0	307061	ADC / 13.5Vdc- W/ICB	VMG505	9.802-638.0	079613	21699UF	9.802-636.0	079518	21404U	9.802-663.0	079670	51778U
8.717-071.0	N/A	SM / 120V	HO1501	8.701-090.0	079604	2364U	9.803-057.0	079515	2383U	9.803-060.0	079682	51824U
8.717-090.0	N/A	SM / 240V	HO1301	8.701-093.0	079609	21344U	9.803-057.0	079515	2383U	9.803-055.0	079665	21176U**

BURNER				FUEL PUMP			SOLENOID W/CORD SET			TUNE UP KIT		
Part No	Old No	Description	Becket No	Part No	Old No	Becket No	Part No	Old No	Becket No	Part No	Old No	Becket No
8.709-326.0	307036	AFG / 240Vac	VMG202	9.802-644.0	079642	2184403U	8.900-082.0	079054X	N/A	8.723-715.0	N/A	578730
8.709-325.0	307032	AFG / 120Vac	VMG902	9.802-645.0	079641	2184405U	8.900-081.0	079053X	N/A	8.723-715.0	N/A	578730
8.709-327.0	307059	ADC / 13.5Vdc- W/O ICB*	VMG504	9.802-562.0	079643	2184402U	8.900-080.0	079050X	N/A	8.723-715.0	N/A	578730
8.709-328.0	307061	ADC / 13.5Vdc- W/ICB	VMG505	9.802-562.0	079643	2184402U	8.900-080.0	079050X	N/A	8.723-715.0	N/A	578730
8.717-071.0	N/A	SM / 120V	HO1501	9.802-645.0	079641	2184405U	8.900-081.0	079053X	N/A	8.723-715.0	N/A	578730
8.717-090.0	N/A	SM / 240V	HO1301	9.802-644.0	079642	2184403U	8.900-082.0	079054X	N/A	8.723-715.0	N/A	578730

* Ignition Control Board ** Old iron core transformer

14 Volt ADC Oil Burner



- 14 volt solid state ignition
- 1/6 HP
- 3,450 RPM
- 4-1/4" fan
- Beckett "CleanCut" fuel pump with oil valve
- Max rate 2.5 GPH

Part #	Old No.	Description	Oil Valve	Electric Eye	Motor RPM
8.709-327.0	307059	Beckett 13.5V	Yes	-	3450
8.709-328.0	307061	Beckett 13.5V	Yes	Yes	3450

NOTE: Proper operation requires an engine with 16+ amp alternator and deep cycle battery on nightly, overnight recharge

Flex Couplings



Part #	Old No.	Beckett Part #	Description
9.802-648.0	079520	2454	5/16 "A"- (AFG)
9.803-058.0	079522	2433	5/16 "S"- (SF/SM)
9.802-637.0	079524	21405	12 - VDC ADC

Genisys™ Contractor Tool



Advanced burner control, 120 vac primary safety control for residential and light commercial oil burners.

Part #	Description
8.726-018.0	Genisys Contractor Tool

Beckett Misc. Parts



Part #	Old No.	Beckett Part #	Description
9.802-651.0			Burner Gasket AFG 120V
8.701-059.0		578726 SDC	Electrode Insul Assy
8.701-056.0	079530	149	Electrode Clamps (ALL)
8.701-063.0	079542	5432	Flange, w/ Gasket (ALL)
8.723-912.0	079543	5850	Flange, Split Uni A&S
8.701-070.0	079560	3616	Gasket, Universal AMF
9.802-653.0	079562	3416	Gasket, Unit Mtg
9.802-671.0	079592	5877	Burner Housing AFG/ADC
8.701-085.0	079595	5717 (51400)	Knurled Nut Kit ADC
8.701-134.0	079677	51304	Transf Mtg Gasket AFG
8.701-132.0	079674	31404	Transformer Clip
9.802-676.0	079654	7006U	Cadcell Flame det
8.701-137.0	079684	7556A0000	Primary Control, 14V DC
8.701-133.0	079675	3245	Transformer Spring
8.701-106.0	079629	AF90	Air Tube w/o Head
8.701-074.0	079573	5151501	Air Band (3 x 92 AFG)

Electrode/Insulator Assembly



Part #	Old No.	Beckett Part #	Description
9.802-668.0	079534	5780	Std to 9" AFG, SM, SF
8.717-978.0		578728	ADC
9.802-669.0			Electrode w/ Contact, PR
9.802-670.0			Electrode Kit

BURNERS & COILS

Oil Burners



115 / 230 Volt

- .75 to 3 GPH firing rates
- Solid state ignition (low amp)
- High volume 6-1/4" blower on 220V unit, 5-3/16" blower on 110V unit
- 3,450 RPM pump/blower motor
- "A" – type Suntec fuel pump
- 3-3/4" air tube with adjustable flange for maximum versatility
- UL recognized



12 Volt

- 12 volt solid state ignitor
- 3,450 RPM fuel pump
- .5 to 2.75 GPH capacity with oil valve



Part #	Old No.	Description
8.709-317.0	307000	115V AC Burner w/ Oil Valve
8.709-318.0	307003	230V AC Burner w/ Oil Valve
8.709-319.0	307007*	12V DC Burner w/ Oil Valve

*Proper operation requires an engine with 16+ amp alternator and deep cycle battery on nightly, overnight recharge

Wayne Burner Chart

Part #	Description	Ignitor	Transformer	Motor	Blower Wheel	Fuel Pump	Solenoid Valve	Electrode Assembly	Tune Up Kit
8.709-317.0	Wayne 115V	8.700-802.0 079111	8.700-804.0 079115	8.701-095.0 079612	8.700-730.0 079005	8.700-749.0 079030	8.700-779.0 079062	8.700-770.0 079052	8.700-774.0 079056
8.709-318.0	Wayne 220V	N/A	8.700-809.0 079123	8.701-094.0 079611	8.700-731.0 079006	8.700-749.0 079030	8.700-780.0 079063	8.700-770.0 079052	8.700-774.0 079056
8.709-319.0	Wayne 12V	8.700-807.0 079120 Includes	N/A N/A	8.700-739.0-FASCO 079021 8.700-740.0-MET to FASCO 079021X	8.700-727.0- (079003)FASCO 2.44" W x 2.53" T 5/16" shaft 8.700-728.0 (079003A) MET 3.44" W x 4.25" T 1/2" shaft	8.700-749.0 079030	8.700-782.0 079064	8.700-770.0 079052	8.700-774.0 079056 with 8.700-721.0 coupling for converting from MET to FASCO

NOTE: 8.700-721.0 -Coupling for 8.700-740.0 FASCO motor used on MET to FASCO converted burner

8.700-720.0 -Adaptor Bushing to allow MET blower wheel to work with FASCO motor

8.700-740.0 -Conversion Kit - Use MET to FASCO conversion kit if 12V burner motor cannot be identified. The kit contains the following parts: 8.700-739.0 Motor; 8.700-720.0 Adaptor bushing; 8.700-682.0 Adaptor Plate; 8.700-721.0 Coupling; 8.700-691.0 Screws (2); 8.700-104.0 Nuts

Blower Wheel



Part #	Old No.	Wayne Part #	Description	Shaft Size
8.700-730.0	079005	20288/SER	5-3/16" x 3-7/16"	1/2"
8.700-731.0	079006	21854/SER	6-1/4" x 4-3/16"	1/2"
8.700-726.0	078999	20673	4-1/4" x 3-1/8"	1/2"
8.700-727.0	079003	21427/SER3	12V (Fasco)	5/16"
8.700-728.0	079003A	21427	(MET)	1/2"

Common Parts - Beckett & Wayne



Oil Line



Brass Elbow

Part #	Old No.	Description
8.701-054.0	079526	Oil Line, 6.5", Copper
9.802-667.0	079058	Oil Line, 8", Copper
8.701-053.0	079525	Oil Line, 9.5", Copper
8.700-784.0	079066	Brass 90° Elbow 1/8" flare, 1/8" MPT
8.700-785.0	079067	Brass 90° Elbow 3/16" flare, 1/8" MPT
8.700-738.0	079020	Oil Pressure Gauge 0 - 200 PSI
8.700-768.0	079051	(28737-1) Nozzle Adapter
8.705-063.0	140150	Straight Thru Double Nipple 1/8" x 1/8"

Wayne Burner Parts



Part #	Old No.	Wayne Part #	Description
8.700-774.0	079056	31156	Wayne Burner Tune-up Kit
8.700-770.0	079052	14733-001 14734-002	Electrode Assembly (Pair) with Buss Bars – G shape
8.700-743.0	079024	12945	Buss Bar – G shape
8.700-754.0	079034	14344	Burner Gasket
8.700-692.0	078785	12484	Universal Gasket
8.700-735.0	079014	4725	Burner Housing (E-Series)
8.700-736.0	079016	2689	Burner Flange "F"
8.700-776.0	079059	13279	Flex Coupler A Fuel Unit
8.700-777.0	079060		Coupler End (J Pump 7/16")
8.700-733.0	079010	13360	Trans Clip Screw
8.700-734.0	079011	13038	Trans Clip
8.700-729.0	079004	2668	Outer Air Band (8 Hole)
8.700-732.0	079007	2669	Inner Air Band (8 Hole)
8.700-714.0	078979	31702-014	Gun Assy, F/307007
8.700-680.0	078752		Nzl Adapter w/legs MSR/DC

Burner Motors



48M



48N

Part #	Old No.	Capacitor	RPM	HP	Flange	Voltage	Wayne / Beckett
9.802-642.0	079602	Y	3450	1/7	48M	115V	20627 / 21805U
9.802-635.0	079608		3450	1/7	48M	240V	20892 / 21174U
8.700-739.0	079021		4500	1/5	48M	12VDC	21993-005 / N/A
9.802-638.0	079613		3450	1/6	48M	13.5V	21699UF
8.701-090.0	079604		3450	1/4	48N	115V	N/A / 2364U
8.701-091.0	079605		3450	1/4	48N	12V	N/A / 21539UF
8.701-093.0	079609	Y	3450	1/4	48N	115/240V	N/A / 21344
8.701-094.0	079611		3450	1/5	48N	240V	21328 / 21173U
8.701-095.0	079612		3450	1/5	48N	115V	20554 / 2900U
8.700-740.0	079021X	Kit, 12VDC/MET to Fasco					
Universal							
8.700-741.0	079022		3450	1/7	48M	110-60 Hz	
8.700-744.0	079025		3450	1/5	48N	110/240V	Capacitor Start

Beckett Tune-Up Kit



Fits all Beckett Burners with 3" or 3-5/8" air tube.

Kit contains:

- 4-Becket Electrodes
- 2-Couplings
- 1-Fuel Line

Part #	Description
8.723-715.0	Beckett Burner Tune-up Kit

Blower Wheels



Part #	Description	Shaft Size
9.803-057.0	6-1/4" D x 3-7/16" W	1/2" SF-SM
9.802-649.0	4-1/4" D x 2-1/2" W	1/2" AFG
9.802-636.0	4-1/4" D x 2-7/16" W	5/16" ADC

CleanCut Fuel Pump



Simple design provides faster cleaning, more reliable cut offs, and cut ons. Cleaner operation-less soot. More reliable-fewer moving parts. Reduced motor load in start up. Higher capacity - 4 GPH at 100 PSI.



- 100-200 PSI - Factory set 100 PSI
- Inlet pressure 10 PSI
- Rated speed 3,600 RPM
- Includes built in solenoid w/ cord set

Part #	Old No.	Description
9.802-645.0	079641	110 Volt
9.802-644.0	079642	220 Volt
9.802-562.0	079643	12 Volt

Fuel Pumps



- Use with single or dual line systems
- Pressure adjustment valve

Part #	Old No.	Suntec PN	GPH	RPM	Rotation
Standard Pumps					
8.700-749.0	079030	A2VA7116	3	3450	RH
8.700-789.0		A2VC7118	3	3450	LH
8.700-756.0	079031	A1YA7912	7	1725	RH
8.700-757.0	079037	A2YA7916	7	3450	RH
8.700-748.0	079028	A2RA7710			RH
Pumps with Solenoid					
8.700-758.0	079038	A2VA3006-N221R w/12V	4	3450	RH
8.700-759.0	079038-110	A2VA3006-N621L w/110V	3	3450	RH
8.700-760.0	079038-220	A2VA3006-N721RS w/220V	3	3450	RH
Pump Replacement Parts					
8.700-764.0	079044	3715732 Pump Fuel Screen (A2VA 7116)			
8.700-772.0	079055	3715744 Pump Fuel Screen (A2AVA 7916)			
8.700-765.0	079045	3779801 Gasket Cover			

Fuel Conditioner & Soot Remover

Red Devil eliminates soot buildup.



- Easy to use – just add to burner fuel
- Keeps burner at top efficiency
- 1 oz. per 10 gallons

Part #	Old No.	Description
8.704-625.0	112057	Pint (16 oz)
8.704-626.0	112059	Quart
8.719-158.0	9-4007	Soot-O-Magic Stick

BURNERS & COILS

Burner Transformers



- 10,000 volt spark
- 2.2 amp @ 120V
- 8.5 lbs
- Traditional copper wire wound



Part #	Old No.	Beckett Part #	Mounting	Volt
9.802-661.0*	079668	51343U	AFG	240V
8.701-125.0*	079662	21376U	S-SF-SR-SM	120V
9.803-055.0*	079665	21176U	SM	240V

* Bottom Mount

Burner Ignitors



- Solid State Technology
- 14,000 volt spark
- Only .35 amp @ 110V
- 1.7 lbs



Part #	Old No.	Beckett Part #	Mounting	Volt
9.802-647.0	079669	51771U	AFG/Lo Amp	120V
8.701-131.0	079671	517770	ADCw/o CB	12VDC
9.802-663.0	079670*	517760	ADCw/ CB	12VDC
8.701-149.0	079707	517780	SDCw/ Con BD	12VDC
9.803-060.0	079682	51824U	SM/SF	120V
8.701-140.0	079687	51779U	SDCw/o CB	12VDC

*complete with Timer

Base Plates for Ignitors



Part #	Old No.	Description
8.701-116.0	079644	A, Trans/Ign
8.701-117.0	079645	S, Trans/Ign
8.701-118.0	079646	E, Trans/Ign
8.701-119.0	079647	M, Trans/Ign

Nozzle Accessories



Part #	Old No.	Description
8.700-849.0	079221	Nozzle Tray (Metal) (Open Top, 55-Compartment, Plastic)

Burner Transformers



- 10,000 volt spark
- 2.2 amp @ 120V
- 8.5 lbs
- FranceFormer



Part #	Old No.	Wayne Part #	Mounting	Volt
8.700-804.0	079115	23101/E	Side/EH-EHA	120V
8.700-806.0	079117	23101/M	Back/M-MSR	120V
8.700-809.0	079123	23103/E	Side/EH-EH	230V
8.700-810.0	079124	23103/M	Back/10KVA	120V

Burner Ignitors



- Solid State Technology
- 14,000 volt spark
- Only .35 amp @ 120V
- 1.7 lbs



Part #	Old No.	Wayne Part #	Mounting	Volt
8.700-802.0	079111	101122/001	Side/EH-EHA, France	120V
8.700-803.0	079113	101121/001	Back/M-MSR, France	120V
8.700-800.0	079107	31813-002	Side/EH-EHA, Allanson	220V
8.700-801.0	079109	31812-002	Back/M-MSR	220V
8.700-807.0	079120	31812-003	Rear Mount, Carlon	12V
8.700-820.0	079152	31813003	Side Mount(E)	12V

12 VDC KIP Fuel Solenoid Valve



- Brass body
- 12V DC coil
- 1/8" FPT I/O ports
- Conduit connector
- 5/64" orifice = 6 watt

Part #	Old No.	Description
8.701-120.0	079652	Fuel Solenoid Valve

Smoke Tester - Diagnostic Tool

The smoke tester gives you the ability to measure smoke (soot) density and adjust air flow and fuel pressure to optimize burner performance.



A properly tuned burner:

- Heats water more efficiently
- Doesn't build up soot in the coil
- Doesn't pollute the air
- Keeps your customers happy
- A tool that should be used by every serviceman in the industry

Part #	Old No.	Description
8.712-507.0	449020	Smoke Tester
8.712-506.0	449019	Filter Paper Refill*

*40 sheet (10 tests per sheet)

Oil Solenoid Valve



- Unitized mounting on Suntec fuel pumps
- 1/8" FPT inlet
- 300 PSI
- Uses standard Suntec coil

Part #	Old No.	Description
8.700-779.0	079062	110V Oil Valve - R642
8.700-780.0	079063	220V Oil Valve - R753
8.700-782.0	079064	12/24V Oil Valve - R261
8.700-811.0	079125	Flow-Thru Connector Bolt
8.700-812.0	079126	Aluminum Seal Washer
8.900-081.0	079053X	110V Coil w/ Cord Set
8.900-082.0	079054X	230V Coil w/ Cord Set
8.900-080.0	079050X	12/24 Coil w/ Cord Set
9.802-640.0	079096	115V Coil w/o Cord Set
9.802-641.0	079097	230V Coil w/o Cord Set
8.700-794.0	079098	12/24VDC Coil w/o Cord Set
8.700-795.0	079099	Cord Set Only
8.900-079.0	079047	8mm Nut for Old Style Coil

Gas Burner Rings - N/G or L/P Gas Jets

The standard for gas-fired pressure washers. Impinged jet burner rings offer the most efficient utilization of gas for heating water.



Gas Burner Ring

Part #	Old No.	Model No.	Jets Req'd	1000 BTUH
Gas Burner Rings Only				
8.710-203.0	347502	Z-21	20	100-200
8.710-204.0	347504	X-11	32	160-320
8.710-207.0	347506	X-44	44	220-440
8.710-210.0	347508	X-66	66	330-660
8.904-003.0	347510	X-88	88	440-880



Gas Jets

Part #	Old No.	Drill Size	Orifice Size	Use
Gas Jets for Burner Rings* (above)				
8.710-215.0	347552	#52	(.0635)	NG
8.710-216.0	347554	#54	(.055)	NG
8.710-217.0	347562	#62	(.038)	LP
8.710-218.0	347565	#65	(.035)	LP
8.710-219.0	347566	#66	(.033)	LP
9.802-684.0		#69	(.029)	LP
8.710-214.0	347549		Blank (Must Be Drilled)	

*Due to freight damage on assembled rings/jets... Separately order correct number & size of jets for each burner ring.

Honeywell Gas Valves



9.803-615.0

Natural Gas - Small Millivolt Valve

Part #	Old No.	Description
9.803-615.0	7-7000CH1	Natural Gas Millivolt Valve, 3/4" NPT
9.803-617.0	7-7CH1	Pilot for Piezo Ignitor
9.803-611.0	7-70360	47" Powerpile
9.803-614.0	7-70232	LP Conversion Kit (NG to LP)
8.718-116.0	7-7078	NG Conversion Kit (LP to NG)



9.803-616.0

Natural Gas - Small Electronic Ignition Valve

Part #	Old No.	Description
9.803-616.0	7-700021	Natural Gas Electronic Ignition Valve, 24V, 3/4" NPT
9.803-618.0	7-702320	LP Conversion Kit (NG to LP)
8.718-112.0	7-70700	NG Conversion Kit (LP to NG)

See Electronic Ignition Parts Below



8.718-048.0



9.803-612.0

Natural Gas/LP - Large Electronic Ignition Valve

Part #	Old No.	Description
8.718-050.0	7-70003	Natural Gas Electronic Ignition Valve, 24V, 1" NPT (no LP conversion kit)
8.718-048.0	7-700022	LP Gas Electronic Ignition Valve, 24V, 1" NPT (no NG conversion kit)
9.803-612.0	2-990581	Solenoid Pilot

See Electronic Ignition Parts Below



9.803-613.0



9.803-610.0

Electronic Ignition

Part #	Old No.	Description
9.803-613.0	7-701510	Electronic Ignition Controller Black 90 sec TFI
9.803-610.0	7-702371	Pilot, Electronic Ignition
9.803-562.0	6-01352	48" Ignition Cable
8.905-681.0	6-01353	60" Ignition Cable
8.930-332.0		69" Ignition Cable

BURNERS & COILS

Delavan Fuel Nozzles



Part #	Old No.	GPH
8.701-018.0	079477	2.00 x 60°W
8.701-020.0	079479	1.65 x 80°W
8.701-021.0	079480	1.50 x 80°W
8.701-023.0	079481	1.75 x 80°W
8.701-024.0	079482	2.00 x 80°W
8.701-025.0	079483	2.25 x 80°W

Part #	Old No.	GPH
8.701-026.0	079484	2.50 x 80°W
8.701-028.0	079486	2.75 x 80°W
8.701-029.0	079487	3.00 x 80°W
8.701-031.0	079490	4.00 x 80°W
8.701-039.0	079505	1.65 x 90°W
8.701-032.0	079492	2.00 x 90°W

NOTE: The above "W" nozzles are stocked - all sizes are available.

Select proper size for maximum burner efficiency.

GPH	60° A Hollow Part No	60° A Hollow Old No	60° B Solid Part No	60° B Solid Old No	70° A Hollow Part No	70° A Hollow Old No	70° B Solid Part No	70° B Solid Old No	80° A Hollow Part No	80° A Hollow Old No	80° B Solid Part No	80° B Solid Old No	90° A Hollow Part No	90° A Hollow Old No	90° B Solid Part No	90° B Solid Old No
.50	8.700-850.0	079225	8.700-868.0	079250	8.700-887.0	079275	-	-	8.700-911.0	079325	-	-	-	-	8.700-981.0	079400
.60	-	-	-	-	-	-	-	-	8.700-912.0	079326	8.700-932.0	079351	8.700-960.0	079376	-	-
.65	8.700-852.0	079227	-	-	-	-	-	-	8.700-913.0	079327	8.700-933.0	079352	8.700-961.0	079377	-	-
.75	-	-	8.700-870.0	079253	-	-	8.700-896.0	079303	8.700-914.0	079328	8.700-934.0	079353	8.700-962.0	079378	8.700-982.0	079403
.85	8.700-853.0	079229	8.700-871.0	079254	-	-	-	-	8.700-915.0	079329	8.700-935.0	079354	-	-	8.700-983.0	079404
.90	8.700-854.0	079230	8.700-872.0	079255	-	-	-	-	8.717-333.0	900450	8.700-936.0	079355	8.700-963.0	079380	-	-
1.00	8.700-855.0	079231	8.700-873.0	079256	8.717-276.0	799516	8.700-897.0	079306	8.700-916.0	079331	8.700-937.0	079356	9.802-583.0	900451	8.700-984.0	079406
1.10	8.700-856.0	079232	8.700-874.0	079257	-	-	-	-	8.700-917.0	079332	8.700-938.0	079357	8.717-332.0	900449	8.700-985.0	079407
1.20	8.700-857.0	079233	8.700-875.0	079258	8.700-890.0	079283	-	-	8.700-918.0	079333	8.700-939.0	079358	-	-	-	-
1.25	8.700-858.0	079234	8.700-876.0	079259	-	-	8.700-899.0	079309	8.700-919.0	079334	8.717-350.0	900766	8.700-966.0	079384	8.700-986.0	079409
1.35	8.700-859.0	079235	8.700-877.0	079260	-	-	8.700-900.0	079310	9.802-584.0	900452	8.717-358.0	900784	8.700-967.0	079385	8.700-987.0	079410
1.50	8.717-328.0	900367	8.700-878.0	079261	8.717-278.0	799518	-	-	8.700-921.0	079336	8.717-351.0	900767	9.802-585.0	900650	8.700-988.0	079411
1.65	8.700-861.0	079237	8.700-879.0	079262	-	-	-	-	8.700-922.0	079337	8.700-943.0	900768	8.700-969.0	079387	8.700-989.0	079412
1.75	8.700-862.0	079238	8.700-880.0	079263	8.700-892.0	079288	8.700-903.0	079313	8.717-329.0	079338	8.717-352.0	900769	8.700-970.0	079388	9.802-575.0	079413
2.00	8.717-327.0	900270	-	-	-	-	8.700-904.0	079314	8.700-924.0	079339	8.717-353.0	900771	8.700-971.0	079389	9.802-576.0	079414
2.25	8.700-864.0	079240	8.700-881.0	079265	-	-	8.700-905.0	079315	8.700-925.0	079340	8.700-946.0	900773	8.700-972.0	079390	8.700-992.0	079415
2.50	8.700-865.0	079241	8.700-882.0	079266	8.700-893.0	079291	-	-	8.700-926.0	079341	8.700-947.0	900775	8.700-973.0	079391	9.802-586.0	079416
2.75	8.700-866.0	079242	8.700-883.0	079267	-	-	-	-	8.700-927.0	079342	8.717-330.0	900375	8.700-974.0	079392	8.700-994.0	079417
3.00	-	-	-	-	8.700-894.0	079293	-	-	8.700-928.0	079343	8.717-354.0	900777	8.700-975.0	079393	8.700-995.0	079418
3.25	8.700-867.0	079244	-	-	8.700-895.0	079294	-	-	-	-	8.700-950.0	079369	8.717-336.0	900454	8.700-996.0	079419
3.50	-	-	8.700-884.0	079270	-	-	-	-	8.700-929.0	079345	8.700-951.0	-	8.700-977.0	079395	8.700-997.0	079420
4.00	-	-	-	-	-	-	-	-	8.700-930.0	079346	8.700-952.0	079371	8.700-978.0	900456	8.700-998.0	079421
4.50	-	-	-	-	-	-	-	-	-	-	8.717-367.0	-	-	-	-	-
5.00	-	-	-	-	-	-	-	-	-	-	8.717-357.0	900783	8.700-979.0	079398	-	-
6.00	-	-	-	-	-	-	-	-	-	-	8.700-956.0	079374	-	-	8.701-000.0	079425
6.50	-	-	-	-	-	-	-	-	-	-	8.700-953.0	079372	-	-	-	-
7.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	8.700-910.0	079324	-	-	-	-	-	-	-	-

"Snap" Fuel Nozzle Check Valve

Spring loaded "snap" check valve replaces filter element on fuel nozzle. Valve opens when fuel pump pressure reaches 130 PSI and "snaps" shut when fuel pressure drops below 130 PSI. Stops "smokey" burners at start up and eliminates "shutdown" after burn.



- Reduces nozzle fouling caused by residual fuel in orifice
- Easy field installation in standard fuel nozzles
- Reduces soot buildup in coil

Part #	Old No.	Description	PSI
8.900-083.0	079210	Snap Fuel Valve,	100
8.900-084.0	079211	Snap Fuel Valve,	130
8.700-845.0	079215	Snap Check Valve, (5 pack)	130
8.700-844.0	079214	Snap Check Valve, (5 pack)	100

1" Gas Valves by Robert Shaw

Universal type for new equipment or replacement.



- Manual gas cock
- Auto pilot safety valve
- Wiring & hardware included
- Pilot gas filter
- 600,000 BTU LP gas
720,000 BTU natural gas
- 1" inlet/outlet

*Kit is for 8.710-174.0 and includes: gas valve, flame sensor, electrode pilot relight and harness

Part #	Old No.	Description
8.710-178.0	347406	240 Vac/NG, Standing Pilot
8.710-179.0	347407	24 Vac, NG, Standing Pilot
8.710-174.0	347403	24 Vac, NG, Electronic Ignition
8.710-181.0	347409	700 MV, Natural Gas
8.710-163.0*	347379	24V Retrofit Kit (NG) 720,000 BTU
9.802-677.0		Ignitor

LP Conversion Kit below

LP Conversion Kit for Robert Shaw



Convert NG to LP

Part #	Old No.	Description
8.710-187.0	347421	1" LP Conversion Kit
8.710-164.0	347380	LP Orifice

Gas Valves - LP or Natural

Universal type for building new systems or field replacement. 750 MV, 24V or 120V controls by White-Rodgers.



- 335,000 BTU max
- 3/4" inlet/outlet
- All adjustments & wiring connections on top of valve
- Automatic outlet pressure regulator
- A.G.A. design certified, C.G.A. certified

Part #	Old No.	Description
8.710-172.0	347400	Gas Valve 24V (1)
8.710-182.0	347410	Gas Valve 120V (2)
8.710-183.0	347412	Gas Valve 750 MV (1)
8.750-110.0		3/4" NG to LP Conversion Kit
8.750-109.0		3/4" LP to NG Conversion Kit

(1) Includes two 3/4" x 1/2" all-thread plated bushings and valve instructions.

(2) Includes L.P. Kit, two 3/4" x 1/2" and one 1/2" x 3/8" all-thread plated bushings and all instructions.

White-Rodgers Repair Parts

Part #	Old No.	Description
8.710-184.0	347416	24V Cycle Pilot Control (347425)
8.710-197.0	347440	120V Cycle Pilot Control
8.710-198.0	347446	Gas Ignition Electrode (24" Lead)

Gas Valve Accessory Components

Use with both 3/4" and 1" models on this page.



8.710-190.0

Part #	Old No.	Description
8.710-190.0	347430	750 MV Generator
8.710-191.0	347431	P110T Pilot Burner (Natural gas)
8.718-092.0	347436	Thermo Couple (w/ 24") Cap Tube
8.710-196.0	347438	Thermo Couple (w/ 36") Cap Tube
9.802-686.0		Thermopile, VNG, 44

Draft Diverters / Rain Caps

LANDA®



7-10031



7-10033

- Draft diverter prevents backdrafts, keeps cold air out
- Rain cap prevents water running down vent pipes
- Fits on standard stove pipe
- Hot dipped galvanized

Part #	Old No.	Description
8.717-728.0	7-1003	8", Round
9.801-040.0	7-10031	10", Round
8.717-730.0	7-10032	12", Round
8.717-731.0	7-10033	10", Exhaust Stack, Cap
8.717-732.0	7-10034	12", Exhaust Stack, Cap

Flue Adapters

LANDA®



7-10049



7-1004

- Used to vent exhaust from horizontal hot water machines
- Hot dipped galvanized
- Adapts to standard stove pipe

Part #	Old No.	Description
8.903-430.0	30-199*	8" without Stack, new style kit
8.717-745.0	7-10049	8" without Stack, new style
8.750.310.0		8" without Stack, HOT, MHC
8.717-769.0	7-10071	10" without Stack, SLT/SLX
8.717-733.0	7-1004	8" with Stack, old style
8.717-734.0	7-10041	10" with Stack, old style
8.903-428.0	30-197	10" SLX Models
8.903-429.0	30-198	10" SLT Models

*Includes insulation and mounting hardware

BURNERS & COILS

Coils

LANDA®



- Cold-rolled pipe, no weak points from heating to make bends
- Heavy-duty schedule 80 carbon steel pipe
- "Aluminized steel" wrapper
- Best warranty in the industry

95-07121212

Part #	Old No.	Description
8.912-239.0	95-07121212	DuraCoil 20" Dia, Sch 80 with Aluminized Steel Wrap, Horizontal
9.803-134.0	95-07121218	DuraCoil 14.5" Dia, Sch 80, MVC, VHP
8.914-962.0		DuraCoil 14.5" Dia, Sch 80, MHC, HOT
9.803-135.0	95-07121220	VNG-S after 4/99, new style, 18" dia., ENG,VNG, NG,VHG
8.912-247.0	95-07121222	DuraCoil, VNG, Large, after 3/97, new style ENG,VNG,NG
8.912-241.0	95-07121213V	VNG-S, 16" (5/89-3/99) Except 8-2500, 6-3000, old style
8.912-240.0	95-07121212V	VNG-S Except 8-2500, 6-3000, old style pre 5/89
8.912-238.0	95-071212111	GTO Replacement Coil
8.912-248.0	95-07121224	DuraCoil, 6-3,8-3 VNG/VHG for modulating thermo
8.718-911.0		Coil Clean Chemical, 8#

Top & Bottom Wraps

LANDA®



- Stainless and mild steel

95-07121011S



95-07121012



95-07290013

Part #	Old No.	Description
8.912-187.0	95-07121011S	Top, Yellow
8.912-192.0	95-07121014S	Top, Stainless Steel, PHW
8.914-969.0		Top, Stainless Steel, MHC, HOT
8.917-500.0		Top, Yellow, MHC, HOT
8.912-191.0	95-07121014	Bottom, Wrinkle Black, PHW
8.914-946.0		Bottom, Wrinkle Black, MHC, HOT
8.912-188.0	95-07121012	Bottom, Yellow
8.912-193.0	95-07121015	Bottom, Stainless Steel
8.912-866.0	95-07290013	Outer, MVC
9.803-027.0	95-07290013S	Outer, Stainless, MVC

Coil Insulation

LANDA®



7-0140

7-0141

7-01401

7-01482



7-014832

7-01484

- Refractory grade ceramic
- Retains heat inside coil for better fuel efficiency and paint protection

Part #	Old No.	Description
9.802-883.0	7-0140	Front Head, No Hole
8.735-002.0		Front Head, No Hole, 16"
9.802-894.0	7-0141	Burner Head, with Hole
8.731-284.0		Burner Head, with Hole, 16"
8.933-009.0	7-0144	Gasket, Burner Plate
8.717-424.0	7-01470	Gasket, Skid Stackless Top
8.717-425.0	7-01471	Gasket, Stackless Adapter
9.802-900.0	7-01482	Tank Bottom, 1" Blanket, VHW, VHP
9.802-901.0	7-014832	Tank Head 16" OD x 8" ID, VHW, VHP
8.717-396.0	7-01401	Disk, Flash Pan, GTO (2 required)
8.717-410.0	7-0142	Blanket, w/ Foil sqft (10 sqft reqd)
9.802-896.0	7-01430	Blanket-No Foil, 24" x 57", Horizontal
9.802-902.0	7-01484	Blanket-Die Cut, 28" x 24", Horizontal
8.717-433.0	7-014841	Blanket-Die Cut, 33" x 89" (VNG)

Insulation & Rigid Disc/Donuts

Refractory grade ceramic kaowool formed; retains heat inside coil for better fuel efficiency and paint protection.



Part #	Old No.	Description	Thickness	Width	Length
"Rigid Formed" Donut & Discs					
8.704-807.0	122253	Donut	.88"	18"	6"/4.4"
8.704-810.0	122258	Donut	.88"	16"	6"/4.4"
8.717-474.0		Donut		24"	
8.704-808.0	122254	Disc	1/2"	18"	
8.704-809.0	122257	Disc	1/2"	16"	
8.717-475.0		Disc		24"	
Insulation Blanket					
8.901-288.0	122204	Coil Wrap	1"	24"	4'
8.901-289.0	122205	Coil Wrap	1"	24"	5'
8.704-800.0	122206	Coil Wrap	1"	24"	6'
8.704-802.0	122222	Full Roll	1/2"	24"	37.5'
8.704-805.0	122225	Full Roll	1"	24"	25'