

# KÄRCHER

makes a difference



## PRESSURE WASHERS



**Lorchem  
Technologies, Inc.**

1150 Davis Road, Suite J • Elgin, IL 60123  
(800) 788-8867 • [info@lorchem.com](mailto:info@lorchem.com) • [www.lorchem.com](http://www.lorchem.com)

*We Know How To Get Things* **CLEAN**

## Oil Burners - 115V / 230V



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

### Beckett Burner Chart

#### BURNER

| Part No     | Old No | Description               | Becket No. |
|-------------|--------|---------------------------|------------|
| 8.709-326.0 | 307036 | AFG / 240V AC             | VMG202     |
| 8.709-325.0 | 307032 | AFG / 120V AC             | VMG902     |
| 8.709-327.0 | 307059 | ADC / 13.5V DC - W/O ICB* | VMG504     |
| 8.709-328.0 | 307061 | ADC / 13.5V DC - W/ICB    | VMG505     |
| 8.717-071.0 | N/A    | SM / 120V                 | HO1501     |
| 8.717-090.0 | N/A    | SM / 240V                 | HO1301     |

#### MOTOR

| Part No     | Old No | Becket No. |
|-------------|--------|------------|
| 8.750-518.0 | 22825U |            |
| 9.802-642.0 | 079602 | 21805U     |
| 9.802-638.0 | 079613 | 52145U     |
| 9.802-638.0 | 079613 | 52145U     |
| 8.701-090.0 | 079604 | 2364U      |
| 8.701-093.0 | 079609 | 21344U     |

#### BLOWER WHEEL

| Part No     | Old No | Becket No. |
|-------------|--------|------------|
| 9.802-649.0 | 079517 | 2999U      |
| 9.802-649.0 | 079517 | 2999U      |
| 9.802-636.0 | 079518 | 2999AU     |
| 9.802-636.0 | 079518 | 2999AU     |
| 9.803-057.0 | 079515 | 2383U      |
| 9.803-057.0 | 079515 | 2383U      |

#### IGNITOR ASSEMBLY

| Part No     | Old No | Becket No. |
|-------------|--------|------------|
| 8.751-780.0 |        | 5199701U   |
| 9.802-647.0 | 079669 | 51771U     |
| 8.751-784.0 |        | 5218301U   |
| 8.751-784.0 |        | 5218301U   |
| 9.803-060.0 | 079682 | 51824U     |
| 8.751-781.0 |        | 5199702U   |

#### BURNER

| Part No     | Old No | Description               | Becket No. |
|-------------|--------|---------------------------|------------|
| 8.709-326.0 | 307036 | AFG / 240V AC             | VMG202     |
| 8.709-325.0 | 307032 | AFG / 120V AC             | VMG902     |
| 8.709-327.0 | 307059 | ADC / 13.5V DC - W/O ICB* | VMG504     |
| 8.709-328.0 | 307061 | ADC / 13.5V DC - W/ICB    | VMG505     |
| 8.717-071.0 | N/A    | SM / 120V                 | HO1501     |
| 8.717-090.0 | N/A    | SM / 240V                 | HO1301     |

\* Ignition control board

#### FUEL PUMP

| Part No     | Old No | Becket No. |
|-------------|--------|------------|
| 9.802-644.0 | 079642 | 2184403U   |
| 9.802-645.0 | 079641 | 2184405U   |
| 9.802-562.0 | 079643 | 2184402U   |
| 9.802-562.0 | 079643 | 2184402U   |
| 9.802-645.0 | 079641 | 2184405U   |
| 9.802-644.0 | 079642 | 2184403U   |

\* Ignition control board

#### SOLENOID W/CORD SET

| Part No     | Old No  | Becket No. |
|-------------|---------|------------|
| 8.900-082.0 | 079054X | N/A        |
| 8.900-081.0 | 079053X | N/A        |
| 8.900-080.0 | 079050X | N/A        |
| 8.900-080.0 | 079050X | N/A        |
| 8.900-081.0 | 079053X | N/A        |
| 8.900-082.0 | 079054X | N/A        |

\* Ignition control board

#### TUNE UP KIT

| Part No     | Old No | Becket No. |
|-------------|--------|------------|
| 8.723-715.0 | N/A    | 578730     |
| 8.723-715.0 | N/A    | 578730     |
| 8.723-715.0 | N/A    | 578730     |
| 8.723-715.0 | N/A    | 578730     |
| 8.723-715.0 | N/A    | 578730     |
| 8.723-715.0 | N/A    | 578730     |

\* Ignition control board

## BURNERS

### Oil Burner - 14V ADC

- 14V, 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 No     | 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



**Beckett**  
PARTS

### Flex Couplings

| Part No     | Old No | Beckett Part No | 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 | 2140501U        | 1V DC ADC         |



**Beckett**  
PARTS

### Beckett Misc. Parts

| Part No     | Old No | Beckett Part No | 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)   |

**Beckett**  
PARTS

### Controller and Contractor Tool - Genisys™

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

| Part No     | Description             |
|-------------|-------------------------|
| 8.751-335.0 | Genisys Controller      |
| 8.726-018.0 | Genisys Contractor Tool |



**Beckett**  
PARTS

### Electrode/Insulator Assembly

| Part No     | Old No | Beckett Part No | 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            |



**Beckett**  
PARTS



## Oil Burners

| Part No      | 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

### 115V and 220V Wayne Burner Chart

- 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



### 115V Wayne Burner Chart

| Part No     | Description |
|-------------|-------------|
| 8.709-317.0 | Wayve 115V  |

| Ignitor              | Transformer          | Motor                | Blower Wheel         |
|----------------------|----------------------|----------------------|----------------------|
| 8.700-802.0 / 079111 | 8.700-804.0 / 079115 | 8.701-095.0 / 079612 | 8.700-730.0 / 079005 |

| Fuel Pump            | Solenoid Valve       | Electrode Assembly   | Tune Up Kit          |
|----------------------|----------------------|----------------------|----------------------|
| 8.700-749.0 / 079030 | 8.700-779.0 / 079030 | 8.700-770.0 / 079052 | 8.700-774.0 / 079056 |

### 220V Wayne Burner Chart

| Part No     | Description |
|-------------|-------------|
| 8.709-318.0 | Wayve 220V  |

| Ignitor   | Transformer          | Motor                | Blower Wheel         |
|-----------|----------------------|----------------------|----------------------|
| N/A / N/A | 8.700-809.0 / 079123 | 8.701-094.0 / 079611 | 8.700-731.0 / 079006 |

| Fuel Pump            | Solenoid Valve       | Electrode Assembly   | Tune Up Kit          |
|----------------------|----------------------|----------------------|----------------------|
| 8.700-749.0 / 079030 | 8.700-780.0 / 079063 | 8.700-770.0 / 079052 | 8.700-774.0 / 079056 |

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

### 12V Wayne Burner Chart

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

| Part No     | Description |
|-------------|-------------|
| 8.709-319.0 | Wayve 12V   |

| Ignitor              | Transformer | Motor   |
|----------------------|-------------|---|
| 8.700-807.0 / 079120 | N/A / N/A   | 8.700-739.0-FASCO / 079021 8.750-715.0-MET to FASCO 079021X |

| Blower Wheel  |
|---|
| 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 |

| Electrode Assembly   | Tune Up Kit   |
|----------------------|---|
| 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

# BURNERS

## Blower Wheel

| Part No     | Old No  | Wayne Part No | 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

| Part No     | 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" |

Brass Elbow



Oil Line



## Wayne Burner Parts

| Part No     | Old No | Wayne Part No | Description                |
|-------------|--------|---------------|----------------------------|
| 8.700-774.0 | 079056 | 31156         | Wayne Burner Tune-up Kit   |
| 8.700-770.0 | 079052 | 14733-001     | Electrode Assembly (Pair)  |
|             |        | 14734-002     | 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

| Part No     | Old No  | Capacitor                | RPM       | HP  | Flange | Voltage   | Wayne / Beckett |
|-------------|---------|--------------------------|-----------|-----|--------|-----------|-----------------|
| 9.802-642.0 | 079602  | Y                        | 3450      | 1/7 | 48M    | 115V      | 20627 / 21805U  |
| 8.750-518.0 |         | Y                        | 2850/3450 | 1/7 | 48M    | 220V      | N/A / N/A       |
| 8.700-739.0 | 079021  |                          | 4500      | 1/5 | 48M    | 12V DC    | 21993-005 / N/A |
| 9.802-638.0 | 079613  |                          | 3450      | 1/7 | 48M    | 13.5V     | N/A / 52145U    |
| 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 / 52146U    |
| 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, 12V DC/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 |



48M 5.75" Dia.



48N 7.25" Dia.

## Beckett Tune-Up Kit

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

- Kit contains:
- One fuel line
- Four Beckett electrodes
- T-gauge
- Two couplings



| Part No     | Description                |
|-------------|----------------------------|
| 8.723-715.0 | Beckett Burner Tune-up Kit |

## Blower Wheels



| Part No     | 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  |

## Fuel Conditioner and Soot Remover

Red Devil eliminates soot build-up.

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



| Part No     | 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 |

## Fuel Pumps

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

| Part No                | 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     | A2VA3106-N221R w/12V    | 4   | 3450 | RH               |
| 8.700-759.0            | 079038-110 | A2VA3106-N621L w/110V   | 3   | 3450 | RH               |
| 8.700-760.0            | 079038-220 | A2VA3006-N721RS w/220V3 |     | 3450 | RH               |
| Pump Replacement Parts |            |                         |     |      |                  |
| 8.700-764.0            | 079044     | 3715732 (A2VA 7116)     |     |      | Pump Fuel Screen |
| 8.700-772.0            | 079055     | 3715744 (A2AVA 7916)    |     |      | Pump Fuel Screen |
| 8.700-765.0            | 079045     | 3779801                 |     |      | Gasket Cover     |



## 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 No     | Old No | Description             |
|-------------|--------|-------------------------|
| 9.802-645.0 | 079641 | 110V                    |
| 9.802-644.0 | 079642 | 220V                    |
| 9.802-562.0 | 079643 | 12V                     |
| 9.802-646.0 | 079690 | Valve Stem Kit (21877U) |

## Burner Ignitors



- Solid-state technology
- 14,000V spark
- Only .35 Amp @ 110V
- 1.7 lbs



| Part No     | Old No | Beckett Part No | Mounting     | Volt   |
|-------------|--------|-----------------|--------------|--------|
| 9.802-647.0 | 079669 | 51771U          | AFG/Lo Amp   | 120V   |
| 8.751-785.0 | 079707 | 517780          | SDCw/ Con BD | 12V DC |
| 9.803-060.0 | 079682 | 51824U          | SM/SF        | 120V   |
| 8.701-140.0 | 079687 | 51779U          | SDCw/o CB    | 12V DC |

\*Complete with timer



## BURNERS

### Burner Transformers

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

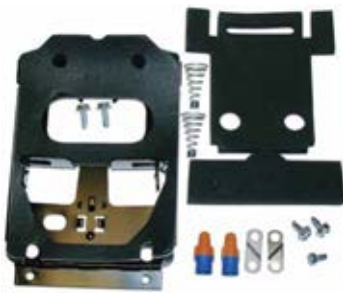


**Beckett**  
Quality  
Parts

| Part No      | Old No | Beckett Part No | 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

### Base Plates for Igniters



**Beckett**  
Quality  
Parts

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

### Burner Transformers

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



**WAYNE**  
Combustion Equipment

| Part No     | Old No | Wayne Part No | 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  | 240V |

### Burner Igniters

- Solid-state technology
- 14,000V spark
- Only .35 Amp @ 120V
- 1.7 lbs



**WAYNE**  
Combustion Equipment

| Part No     | Old No | Wayne Part No | 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, Carlton   | 12V  |
| 8.700-820.0 | 079152 | 31813003      | Side Mount(E)         | 12V  |

### Fuel Solenoid Valve - 12V DC KIP

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



| Part No     | 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 No     | 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 No     | 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  | 12/24V DC 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 No               | 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 No                            | 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  |
| 8.717-377.0                        |        | #63        | (.037)                  | 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 and size of jets for each burner ring.

## Valves - Honeywell Gas

### Natural Gas – Small Millivolt Valve

| Part No     | 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)          |



9.803-615.0

### Natural Gas – Small Electronic Ignition Valve

| Part No     | 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)                         |



9.803-616.0



8.718-048.0



9.803-612.0

### Natural Gas/LP – Large Electronic Ignition Valve

| Part No     | 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 No     | Old No   | Description  |
|-------------|----------|--|
| 9.803-613.0 | 7-701510 | Electronic Ignition Controller<br>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                                 |



## Gas Regulators

■ A.G.A. Design Certified

■ CGA Certified

| Part No.                         | Org No.  | Size | Voltage                            | Model No.             | Brand                |
|----------------------------------|----------|------|------------------------------------|-----------------------|----------------------|
| Natural Gas                      |          |      |                                    |                       |                      |
| 9.803-616.0                      | 7-700021 | 3/4" | 24V                                | VR8304M4002B          | Honeywell            |
| 8.710-182.0                      | 924895   | 3/4" | 115V                               | 36C03A41S1            | White Rodgers        |
| 8.717-766.0                      | 924904   | 3/4" | Millivolt                          | VS820A-1005           | Honeywell            |
| 8.717-767.0                      | 924908   | 3/4" | 24V                                | V800A1328             | Honeywell            |
| 8.718-099.0                      | 921431   | 3/4" | 24V                                | SV9601M4167           | Honeywell            |
| 8.717-768.0                      | 924870   | 1"   | 24V                                | 700-44J               | Robert Shaw          |
| 8.710-174.0                      | 860192   | 1"   | 24V                                | 70-05J                | Robert Shaw w/ Pilot |
| 9.802-674.0                      | 971495   | 1"   | 24V                                | 7000 DERHC, 5N2501531 | Robert Shaw          |
| LP Gas Regulator Conversion Kits |          |      |                                    |                       |                      |
| 8.718-111.0                      | 924897   |      | Fits White Rogers - 924895, 924896 |                       |                      |
| 8.718-113.0                      | 924913   |      | Fits Honeywell - 924904, 924908    |                       |                      |
| 9.803-618.0                      | 7-702320 |      | Fits Honeywell - 921431            |                       |                      |
| 9.802-688.0                      | 924868   |      | Fits Honeywell - 971495            |                       |                      |
| 8.710-162.0                      | 924900   |      | Fits Robert Shaw - 924870          |                       |                      |
| 8.710-187.0                      | 860123   |      | Fits Robert Shaw - 860192          |                       |                      |

## Propane Gas Regulators

■ High quality Fischer regulators

■ High and low pressure

| Part No.    | Old No  | Description                                   |
|-------------|---------|---|
| 8.717-752.0 | 860283  | LP, FPOL x 3/4" FIP                           |
| 8.717-746.0 | 7-1005  | High Pressure                                 |
| 8.717-747.0 | 7-10050 | Low Pressure                                  |
| 8.717-749.0 | 7-10052 | Regulator, Propane Gas, Fisher                |
| 9.802-633.0 | 7-1010  | LP Assembly, includes High/ Low Pressure Assy |

## Draft Diverters & Rain Caps

■ Prevents backdrafts, keeps cold air out

■ Prevents water from running down vent pipes

■ Fits on standard stove pipe

■ Hot dipped galvanized



| Part No.     | Old No  | Description                       |
|--------------|---------|-----------------------------------|
| 8.717-764.0  | 924889  | 8" Oil Fired, Barometric Dampener |
| 8.717-728.0* | 835526  | 8", Round Gas-Fired               |
| 9.801-040.0* | 835525  | 10", Round Gas-Fired              |
| 8.717-730.0* | 835531  | 12", Round Gas-Fired              |
| Rain Caps    |         |                                   |
| 8.717-731.0  | 7-10033 | 10", Exhaust Stack, Cap           |
| 8.717-732.0  | 7-10034 | 12", Exhaust Stack, Cap           |

\*Available from Springdale and Camas

## Propane Gas Hose

| Part No.    | Old No | Description               |
|-------------|--------|---------------------------|
| 8.711-853.0 | 867210 | LP 1/4" x 10' POL x POL   |
| 8.711-856.0 | 707127 | LP 1/2" x 48" 1/2 MNPT BE |
| 8.711-854.0 | 707431 | LP 1/4" x 18" MPOL BE     |
| 8.711-864.0 | 707432 | LP 3/4" x 16" MNPT BE     |

## Propane Tanks

| Part No.    | Old No | Description                   |
|-------------|--------|-------------------------------|
| 8.717-791.0 | 891113 | Tank, 43# - without OPD valve |

NOTE: No Air Freight shipments on the above items

## Gas Valves - 1" by Robert Shaw

Universal type for new equipment or replacement.

- Manual gas cock
- Auto-pilot safety valve
- Wiring and 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 No      | Old No | Description                       |
|--------------|--------|-----------------------------------|
| 8.710-178.0  | 347406 | 240V AC/NG, Standing Pilot        |
| 8.710-179.0  | 347407 | 24V AC/NG, Standing Pilot         |
| 8.710-174.0  | 347403 | 24V AC/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 to right

## Powered Damper



| Part No.    | Description         |
|-------------|---------------------|
| 8.749-806.0 | Powered Damper, 10" |
| 8.753-171.0 | Powered Damper, 12" |
| 8.753-253.0 | Powered Damper 8"   |
| 8.749-807.0 | Wiring Harness      |

## Gas Pilots



| Part No.    | Old No   | Description                        |
|-------------|----------|------------------------------------|
| 8.718-100.0 | 829858   | Pilot Gas LP Gas Orifice HS        |
| 8.718-101.0 | 829977   | Pilot Gas - Natural Gas Orifice HS |
| 8.718-011.0 | 914162   | Pilot Burner & Ignition            |
| 9.802-685.0 | 971496   | Pilot Gas - Natural Gas            |
| 9.803-610.0 | 7-702371 | NEW Pilot - Natural Gas            |

## LP Conversion Kit for Robert Shaw

Convert NG to LP



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

# BURNERS

## Delavan Fuel Nozzles

Select proper size for maximum burner efficiency.



| GPH  | 60° A Hollow Part No | 60° B Solid Part No | 70° A Hollow Part No | 70° B Solid Part No | 70° AR-D Part No | 80° A Hollow Part No | 80° B Solid Part No |
|------|----------------------|---------------------|----------------------|---------------------|------------------|----------------------|---------------------|
| .50  | 8.700-850.0          | 8.700-868.0         | 8.700-887.0          | -                   | -                | 8.700-911.0          | -                   |
| .60  | 8.700-851.0          | -                   | -                    | -                   | -                | 8.700-912.0          | 8.700-932.0         |
| .65  | 8.700-852.0          | -                   | -                    | -                   | -                | 8.700-913.0          | 8.700-933.0         |
| .75  | -                    | 8.700-870.0         | -                    | 8.700-896.0         | -                | 8.700-914.0          | 8.700-934.0         |
| .85  | 8.700-853.0          | 8.700-871.0         | -                    | -                   | -                | 8.700-915.0          | 8.700-935.0         |
| .90  | 8.700-854.0          | 8.700-872.0         | -                    | -                   | -                | 8.717-333.0          | 8.700-936.0         |
| 1.00 | 8.700-855.0          | 8.700-873.0         | 8.717-276.0          | 8.700-897.0         | 8.756-261.0      | 8.700-916.0          | 8.700-937.0         |
| 1.10 | 8.700-856.0          | 8.700-874.0         | -                    | -                   | -                | 8.700-917.0          | 8.700-938.0         |
| 1.20 | 8.700-857.0          | 8.700-875.0         | 8.700-890.0          | -                   | -                | 8.700-918.0          | 8.700-939.0         |
| 1.25 | 8.700-858.0          | 8.700-876.0         | -                    | 8.700-899.0         | 8.756-262.0      | 8.700-919.0          | 8.717-350.0         |
| 1.35 | 8.700-859.0          | 8.700-877.0         | -                    | 8.700-900.0         | -                | 9.802-584.0          | 8.717-358.0         |
| 1.50 | 8.717-328.0          | 8.700-878.0         | 8.717-278.0          | -                   | 8.756-263.0      | 9.700-921.0          | 8.717-351.0         |
| 1.65 | 8.700-861.0          | 8.700-879.0         | -                    | -                   | -                | 8.700-922.0          | 8.700-943.0         |
| 1.75 | 8.700-862.0          | 8.700-880.0         | 8.700-892.0          | 8.700-903.0         | 8.756-264.0      | 8.717-329.0          | 8.717-352.0         |
| 2.00 | 8.700-863.0          | -                   | -                    | 8.700-904.0         | 8.756-265.0      | 8.700-924.0          | 8.717-353.0         |
| 2.25 | 8.700-864.0          | 8.700-881.0         | -                    | 8.700-905.0         | -                | 8.700-925.0          | 8.700-946.0         |
| 2.50 | 8.700-865.0          | 8.700-882.0         | 8.700-893.0          | -                   | -                | 8.700-926.0          | 8.700-947.0         |
| 2.75 | 8.700-866.0          | 8.700-883.0         | -                    | -                   | -                | 8.700-927.0          | 8.717-330.0         |
| 3.00 | -                    | -                   | 8.700-894.0          | -                   | -                | 8.700-928.0          | 8.717-354.0         |
| 3.25 | 8.700-867.0          | -                   | 8.700-895.0          | -                   | -                | -                    | 8.700-950.0         |
| 3.50 | -                    | 8.700-884.0         | -                    | -                   | -                | 8.700-929.0          | 8.700-951.0         |
| 4.00 | -                    | -                   | -                    | -                   | -                | 8.700-930.0          | 8.700-952.0         |
| 4.50 | -                    | -                   | -                    | -                   | -                | -                    | 8.717-367.0         |
| 5.00 | -                    | -                   | -                    | -                   | -                | -                    | 8.717-357.0         |
| 6.00 | 8.700-999.0          | -                   | -                    | -                   | -                | -                    | 8.700-956.0         |
| 6.50 | -                    | -                   | -                    | -                   | -                | -                    | 8.700-953.0         |
| 7.00 | -                    | -                   | -                    | -                   | -                | -                    | -                   |
| 8.00 | -                    | -                   | -                    | 8.700-910.0         | -                | -                    | 8.700-957.0         |
| 8.50 | -                    | -                   | -                    | -                   | -                | -                    | 8.700-958.0         |
| 9.00 | -                    | -                   | -                    | -                   | -                | -                    | 8.700-959.0         |

## “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 build-up in coil

| Part No     | 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/pk) | 130 |
| 8.700-844.0 | 079214 | Snap Check Valve, (5/pk) | 100 |

## Delavan Fuel Nozzles - continued

Select proper size for maximum burner efficiency.



| GPH  | 90° A Hollow Part No | 90° B Solid Part No |
|------|----------------------|---------------------|
| .50  | -                    | 8.700-981.0         |
| .60  | 8.700-960.0          | -                   |
| .65  | 8.700-961.0          | -                   |
| .75  | 8.700-962.0          | 8.700-982.0         |
| .85  | -                    | 8.700-983.0         |
| .90  | 8.700-963.0          | -                   |
| 1.00 | 9.802-583.0          | 8.700-984.0         |
| 1.10 | 8.717-332.0          | 8.700-985.0         |
| 1.20 | -                    | -                   |
| 1.25 | 8.700-966.0          | 8.700-986.0         |
| 1.35 | 8.700-967.0          | 8.700-987.0         |
| 1.50 | 9.802-585.0          | 8.700-988.0         |
| 1.65 | 8.700-969.0          | 8.700-989.0         |
| 1.75 | 8.700-892.0          | 9.802-575.0         |
| 2.00 | 8.700-970.0          | 9.802-576.0         |
| 2.25 | 8.700-971.0          | 9.802-577.0         |
| 2.50 | 8.700-972.0          | 9.802-586.0         |
| 2.75 | 8.700-973.0          | 8.700-994.0         |
| 3.00 | 8.700-974.0          | 8.700-995.0         |
| 3.25 | 8.700-975.0          | 8.700-996.0         |
| 3.50 | 8.717-336.0          | 8.700-997.0         |
| 4.00 | 8.700-977.0          | 8.700-998.0         |
| 4.50 | 8.700-978.0          | -                   |
| 5.00 | -                    | -                   |
| 6.00 | 8.700-979.0          | 8.701-000.0         |
| 6.50 | -                    | -                   |
| 7.00 | -                    | -                   |
| 8.00 | -                    | -                   |
| 8.50 | -                    | -                   |
| 9.00 | -                    | -                   |

| Part No     | Old No | GPH         |
|-------------|--------|-------------|
| 8.701-018.0 | 079477 | 2.00 x 60°W |
| 8.701-021.0 | 079480 | 1.50 x 80°W |
| 8.701-020.0 | 079479 | 1.65 x 80°W |
| 8.701-023.0 | 079481 | 1.75 x 80°W |
| 8.717-342.0 | 079482 | 2.00 x 80°W |
| 8.701-025.0 | 079483 | 2.25 x 80°W |
| 8.701-026.0 | 079484 | 2.50 x 80°W |
| 8.701-027.0 |        | 1.25 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 |
| 8.723-697.0 |        | 0.85 x 80°W |
| 8.723-698.0 |        | 0.90 x 80°W |
| 8.701-006.0 |        | 1.00 x 90°W |
| 8.723-699.0 |        | 1.10 x 80°W |
| 8.723-700.0 |        | 1.20 x 80°W |
| 8.740-139.0 |        | 1.25 x 60°W |
| 8.701-027.0 |        | 1.25 x 80°W |
| 8.701-007.0 |        | 1.35 x 60°W |
| 8.723-701.0 |        | 1.35 x 80°W |
| 8.701-037.0 |        | 1.35 x 90°W |
| 8.701-015.0 |        | 1.50 x 60°W |
| 8.701-038.0 |        | 1.50 x 90°W |
| 8.701-016.0 |        | 1.65 x 60°W |
| 8.701-017.0 |        | 1.75 x 60°W |
| 8.701-013.0 |        | 2.25 x 45°W |
| 8.701-019.0 |        | 2.25 x 60°W |
| 8.701-034.0 |        | 2.25 x 90°W |
| 8.701-026.0 |        | 2.50 x 80°W |
| 8.701-028.0 |        | 2.75 x 80°W |
| 8.701-035.0 |        | 2.75 x 90°W |
| 8.701-030.0 |        | 3.25 x 80°W |
| 8.701-036.0 |        | 5.50 x 80°W |

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

## BURNERS

### 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 and wiring connections on top of valve
- Automatic outlet pressure regulator
- A.G.A.-design certified, C.G.A.-certified



| Part No     | 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 No     | 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.



| Part No     | 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              |

### Insulation and Rigid Disc/Donuts

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

| Part No                        | Old No | Description | Thickness | Width    | Length |
|--------------------------------|--------|-------------|-----------|----------|--------|
| "Rigid Formed" Donut and 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'    |

