

**MAX-DRIVE****V-BELTS****OIL & HEAT RESISTANT**

Rugged polyester cord and neoprene construction with specially treated natural and synthetic elastomeric compounds make the **MAX-DRIVE** V-belt the ideal choice for heavy loads under extreme heat or for constant exposure to oil.

When replacing a V-belt, always clean pulley grooves and check that shafts are parallel and pulley alignment is correct.

Standard V-Belt Types

	<b>3L</b>	<b>4L</b>	<b>5L</b>
W	3/8"	1/2"	21/32"



Outside Length (inches)	<div> <div>W</div> <div>P</div> <div>No.</div> </div>		
	<b>3L</b>	<b>4L</b>	<b>5L</b>
20	S30-20	S40-20	-
21	S30-21	S40-21	-
22	S30-22	S40-22	-
23	S30-23	S40-23	S50-23
24	S30-24	S40-24	S50-24
25	S30-25	S40-25	S50-25
26	S30-26	S40-26	S50-26
27	S30-27	S40-27	S50-27
28	S30-28	S40-28	S50-28
29	S30-29	S40-29	S50-29
30	S30-30	S40-30	S50-30
31	S30-31	S40-31	S50-31
32	S30-32	S40-32	S50-32
33	S30-33	S40-33	S50-33
34	S30-34	S40-34	S50-34
35	S30-35	S40-35	S50-35
36	S30-36	S40-36	S50-36
37	S30-37	S40-37	S50-37
38	S30-38	S40-38	S50-38
39	S30-39	S40-39	S50-39

Outside Length (inches)	<div> <div>W</div> <div>P</div> <div>No.</div> </div>		
	<b>3L</b>	<b>4L</b>	<b>5L</b>
40	S30-40	S40-40	S50-40
41	S30-41	S40-41	S50-41
42	S30-42	S40-42	S50-42
43	S30-43	S40-43	S50-43
44	S30-44	S40-44	S50-44
45	S30-45	S40-45	S50-45
46	S30-46	S40-46	S50-46
47	S30-47	S40-47	S50-47
48	S30-48	S40-48	S50-48
49	S30-49	S40-49	S50-49
50	S30-50	S40-50	S50-50
51	S30-51	S40-51	S50-51
52	S30-52	S40-52	S50-52
53	S30-53	S40-53	S50-53
54	S30-54	S40-54	S50-54
55	S30-55	S40-55	S50-55
56	S30-56	S40-56	S50-56
57	S30-57	S40-57	S50-57
58	S30-58	S40-58	S50-58
59	S30-59	S40-59	S50-59
60	S30-60	S40-60	S50-60



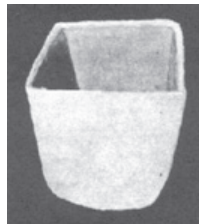
**SPECIAL FOR LENNOX BURNER**

<div>W</div> <div>P</div> <div>No.</div>	Ref. No.	Lennox Burner No.	Belt Type	Outside Length
S20-16	VB-1049	DV-1049	2L - Cogged	16"

**Westwood** ceramic fibre chambers

SOUND ABSORBING • RED HOT IN SECONDS • FIRES DRY • 2,300° - 3,000°F

**WET COMBUSTION CHAMBER LINERS - Sealed in a plastic bag and individually boxed\***



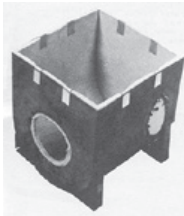
 No.	Ref. No.	Type		GPH	Description and Representative Picture				
S70-9 S70-10 S70-11 S70-12 S70-13 S70-15	#9 #10 #11 #12 #13 #15	Wet	<b>Westwood</b> <i>Round - Preshaped</i>	.50 - .75 .85 - 1.00 1.10 - 1.25 1.35 - 1.50 1.65 - 1.85 2.00 - 2.50	9" diameter, 12" high 10" diameter, 12" high 11" diameter, 12" high 12" diameter, 12" high 13" diameter, 14" high 15" diameter, 14" high				
S70-25 S70-27	#135 #200			Wet	<b>Westwood</b> <i>Rect. - Preshaped</i>		.75 - 1.35 1.35 - 2.00	14" x 11" x 12" 14" x 12" x 12"	
S70-30 S70-35 S70-40 S70-45	#1 #2 #3 #4						Wet	<b>Westwood</b> <i>Flat sheet(s)</i>	

\*Wet chambers have a shelf life and should be ordered such that they are not held in inventory longer than 6 months.

## J-M Cerafelt™

### Dry Refractory Liners

**DRY COMBUSTION CHAMBER LINERS**


 No.	Ref. No.	Type		GPH	Description and Representative Picture
S70-50 S70-51 S70-53	141608 141612 -	Dry	<b>Cerafelt</b> blanket	- - -	1/4" x 16" x 8 ft. 1/4" x 16" x 12 ft. 1/4" x 48" x 20 ft. 
S70-60	SS Kit	Dry	<b>Cerafelt SS Kit</b> (For lining burned out stainless steel combustion chambers)	.50 - 1.75	(1) - 14" x 48" (1) - 16" x 33" (8) - Stainless Steel Clips 

Westwood

**HIGH TEMPERATURE ROPE***NON-ASBESTOS • KNITTED FIBERGLASS*


This strong, flexible, resilient knit-braided rope is ideal for industrial boilers, cast iron boilers, wood burning stoves, ovens, and furnaces. Will not "bloom" or untwist like braided twisted glass rope. Made of 100% texturized fiberglass, it will not burn or support combustion. Resists temperatures to 1,000° F.

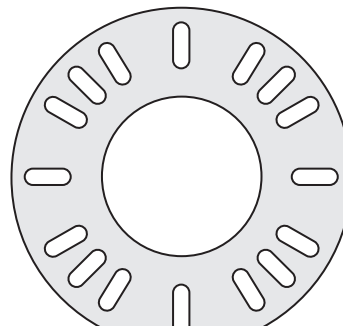
**NON-ASBESTOS HIGH TEMPERATURE ROPE**

 No.	Type	Description	Length
S70-101	Round	1/4" diameter	10 ft.
S70-102	Round	1/4" diameter	25 ft.
S70-104	Round	3/8" diameter	10 ft.
S70-106	Round	3/8" diameter	25 ft.
S70-108	Round	1/2" diameter	10 ft.
S70-110	Round	1/2" diameter	25 ft.
S70-111	Round	3/4" diameter	10 ft.
S70-112	Round	3/4" diameter	25 ft.
S70-114	Round	1" diameter	10 ft.
S70-116	Round	1" diameter	25 ft.
S70-140	Flat	1" wide x 1/8" thick	25 ft.
S70-142	Flat	1" wide x 1/8" thick with adhesive backing	100 ft.
S70-150	Flat	2" wide x 1/8" thick	25 ft.
S70-152	Flat	2" wide x 1/8" thick with adhesive backing	100 ft.

*Other types and sizes of high temperature materials are available on special order. Consult the factory for price and availability.*

**BECKETT BURNER FLANGE GASKET**

 No.	Description
S70-170	Gasket for Beckett and Aero burner flange 8-1/2" OD x 3-5/16" ID



Westwood


**ONE PIECE MOTOR COUPLINGS**

HEAVY DUTY FOR GENERAL USE ON BURNERS AND MOTOR DRIVEN EQUIPMENT




Rugged, precision machined end pieces are held in place by heavy steel collars. Set screws at each end insure that there is no slippage on the shaft flats. Quiet, noise and vibration absorbing, these premium couplings out-perform conventional couplings where misalignment exists or where punishing service is the norm. Available for 1/2" x 7/16" and 1/2" x 5/16" shaft sizes, or 7/16" shaft x spline socket.

**ONE PIECE COUPLINGS**

Length	 No.		
	1/2" x 7/16"	1/2" x 5/16"	7/16" x Spline
2"	S80-200*	S81-200*	-
2-3/8"	S80-237	S81-237*	-
2-1/2"	S80-250*	S81-250*	-
3"	S80-300*	S81-300*	S82-300*
3-1/4"	S80-325	S81-325*	S82-325
3-3/8"	S80-337	S81-337*	S82-337
3-1/2"	S80-350*	S81-350	S82-350
4"	S80-400*	S81-400	S82-400*
4-1/2"	S80-450*	S81-450	S82-450
5"	S80-500	S81-500	S82-500*
5-1/2"	S80-550	S81-550	S82-550
6"	S80-600	S81-600	S82-600
6-1/2"	S80-650	S81-650	S82-650
7"	S80-700	S81-700	S82-700
7-1/2"	S80-750	S81-750	S82-750
8"	S80-800	S81-800	S82-800

\* Included in One Piece Coupling Kit No. S83-200, shown below

**REDUCER BUSHING & COUPLING KIT**

 No.	Ref. No.	Description
S83-10	Reducer Bushing	5/16" I.D. x 7/16" O.D. bushing
S83-200	1890	One piece coupling kit containing those couplings marked with an asterisk above, plus (6) S83-10 reducer bushings

Westwood

**Nylo-Flex™ BURNER COUPLINGS**

EASILY INSTALLED 3 PIECE COUPLING • NO SET SCREWS




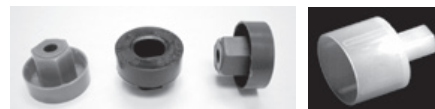
Cut

Assemble

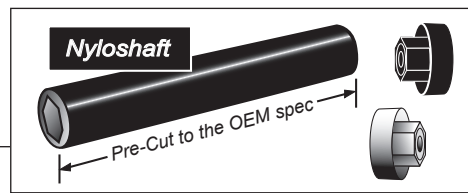
Chosen by top service professionals and original equipment (oem) burner manufacturers. Three piece design allows for custom fit in all installations.


**Nylo-Flex™ COMPONENTS**

 No.	Reference No.	Description and Representative Picture
S85-6	6" Nyloshaft	Nylo-Flex™ 6" Nyloshaft center piece
S85-10	10" Nyloshaft	Nylo-Flex™ 10" Nyloshaft center piece
S85-12	12" Nyloshaft	Nylo-Flex™ 12" Nyloshaft center piece
S85-15	15" Nyloshaft	Nylo-Flex™ 15" Nyloshaft center piece
S85-30	30" Nyloshaft	Nylo-Flex™ 30" Nyloshaft center piece
S85-100	Red End Fitting	Nylo-Flex™ 5/16" shaft size end piece, RED
S85-110	Blue End Fitting	Nylo-Flex™ 7/16" shaft size end piece, BLUE
S85-120	Black End Fitting	Nylo-Flex™ 1/2" shaft size end piece, BLACK
S85-130	TA	Nylo-Flex™ Torrington adapter, 1/2" shaft

**Nylo-Flex™ OEM SPEC COUPLINGS\***

Two end pieces, plus a Nyloshaft correctly cut to OEM specs



 No.	Description
S85-200	Nylo-Flex™ Pre-cut Coupling for Beckett AF (2454), 1/2" & 5/16" Ends, 3-13/32" Nyloshaft
S85-210	Nylo-Flex™ Pre-cut Coupling for Beckett (2290), 1/2" & 7/16" Ends, 2-7/8" Nyloshaft
S85-220	Nylo-Flex™ Pre-cut Coupling for Carlin 99-100 (99RA10208), 1/2" & 5/16" Ends, 2-3/16" Nyloshaft
S85-222	Nylo-Flex™ Pre-cut Coupling for Carlin (99RA5220), 1/2" & 7/16" Ends, 3-1/16" Nyloshaft
S85-223	Nylo-Flex™ Pre-cut Coupling for Carlin CRDA (1020J), 1/2" & 7/16" Ends, 2-3/4" Nyloshaft
S85-224	Nylo-Flex™ Pre-cut Coupling for Carlin 1020 (A Pump), 1/2" & 5/16" Ends, 2-11/32" Nyloshaft
S85-225	Nylo-Flex™ Pre-cut Coupling for Ducane (B1011503), 1/2" & 5/16" Ends, 3-13/16" Nyloshaft
S85-227	Nylo-Flex™ Pre-cut Coupling for Lennox (65A4101), 1/2" & 5/16" Ends, 3-5/8" Nyloshaft
S85-229	Nylo-Flex™ Pre-cut Coupling for Wayne E (13279), 1/2" & 5/16" Ends, 4-5/16" Nyloshaft
S85-230	Nylo-Flex™ Pre-cut Coupling for Wayne (13424), 1/2" & 5/16" Ends, 3-13/16" Nyloshaft
S85-231	Nylo-Flex™ Pre-cut Coupling for Wayne M, 1/2" & 5/16" Ends, 3-1/4" Nyloshaft

\* Each coupling individually sealed in a plastic bag and labeled



Take a look ...

Nylo-Flex™ COUPLING KITS on page S6

Please order by



No.

rev. 9-1-13

**S5**

Westwood

**Nylo-Flex™ BURNER COUPLINGS**

THE WIDEST SELECTION TO MEET ALL SERVICING NEEDS

**COUPLING  
KITS**

No. S85-500



No. S85-525



No. S85-510



No. S85-550



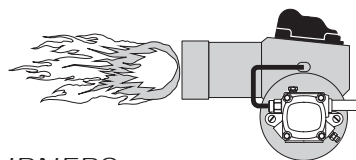
No. S85-560

**Nylo-Flex™ COUPLING KITS**

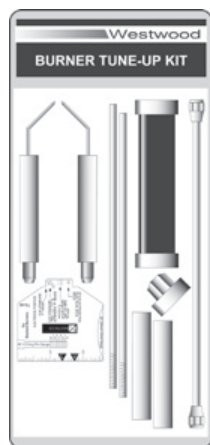
No.	Ref. No.	Quantity of End Pieces			Nyloshaft Quantity & Length	S85-130 Torrington Adapter	T100-300 Coupler Popper™	T100-310 Coupling Cutter	Molded Plastic Box
		1/2"	7/16"	5/16"					
S85-500	#88	1	1	1	1 - 6"	-	-	-	-
S85-502	-	1	1	1	1 - 12"	-	-	-	-
S85-510	#99A	2	2	1	1 - 6"	-	-	-	-
S85-520	#101	2	1	2	1 - 6"	-	-	-	-
S85-525	-	8	6	5	6 - 6"	-	-	-	-
S85-530	#1240	16	8	8	8 - 9"	-	-	-	YES
S85-540	#1240C	16	8	8	8 - 9"	-	-	-	-
S85-550	#1242	16	8	8	8 - 9"	-	YES	YES	YES
S85-560	#1250	12	12	5	12 - 6"	5	-	-	-
S85-570	#1251	12	12	5	12 - 6"	5	YES	-	-



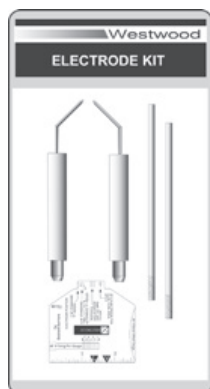
Westwood

**BURNER TUNE - UP KITS**

A REAL TIME SAVER FOR THE MOST POPULAR BURNERS

**TUNE-UP & ELECTRODE KITS**

No. S88-14

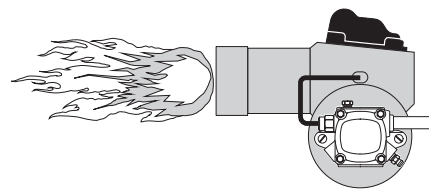


No. S88-20

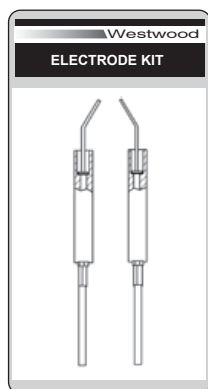
No.	Ref. No.	Description
S88-10	BK5780	<b>TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (up to 9" air tube)</b> 2 - Electrode assemblies 1 - 12" oil line assembly 1 - Pump coupling kit S85-500 2 - Extension rods with nuts 1 - TG-99 tip setting gauge 2 - Hex connectors
S88-12	NBK5780	<b>TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (up to 9" air tube)</b> 2 - Electrode assemblies 1 - 12" oil line assembly 1 - Pump coupling kit S85-500 2 - Extension rods with nuts 1 - TG-99 tip setting gauge 1 - NAS gauge™ B-1 nozzle gauge 2 - Hex connectors
S88-14	BK5782	<b>TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (over 9" air tube)</b> 2 - Electrode assemblies 1 - 12" oil line assembly 2 - E5-2M4 insulators 1 - Pump coupling kit S85-500 2 - Extension rods with nuts 1 - TG-99 tip setting gauge 2 - Hex connectors
S88-16	NBK5782	<b>TUNE-UP KIT for Beckett AF, AFG, AR, SF, SR (over 9" air tube)</b> 2 - Electrode assemblies 1 - 12" oil line assembly 2 - E5-2M4 insulators 1 - Pump coupling kit S85-500 2 - Extension rods with nuts 1 - TG-99 tip setting gauge 1 - NAS gauge™ B-1 nozzle gauge 2 - Hex connectors
S88-20	W5780	<b>ELECTRODE KIT for Beckett AF, AFG, SF, SR (up to 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Hex Connectors 1 - TG-99 tip setting gauge
S88-22	W5781	<b>ELECTRODE KIT for Beckett A and S (up to 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Hex Connectors
S88-24	W5782	<b>ELECTRODE KIT for Beckett AF, AFG, SF, SR (over 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Insulators 2 - Hex Connectors 1 - TG-99 tip setting gauge
S88-26	W5783	<b>ELECTRODE KIT for Beckett AQ and S (over 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Insulators 2 - Hex Connectors
S88-28	W5940	<b>ELECTRODE KIT for Beckett MB and MD (up to 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Hex Connectors 1 - TG-99 tip setting gauge
S88-32	51484U	<b>ELECTRODE KIT for Beckett AF II, HLX (up to 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Hex Connectors 1 - TG-99 tip setting gauge
S88-34	51670U	<b>ELECTRODE KIT for Beckett AF II, FBX (up to 9" air tube)</b> 2 - Electrode assemblies 2 - Extension rods with nuts 2 - Hex Connectors 1 - TG-99 tip setting gauge
S88-36	BK-1	<b>ELECTRODE KIT for Beckett AF, AFG, AR, SF, SR (up to 9" air tube)</b> 2 - Beckett 1510 electrodes 2 - 3/16" x 6" buss bar rods 2 - 10-32 nuts 2 - Hex Connectors

Packaging may vary from that shown

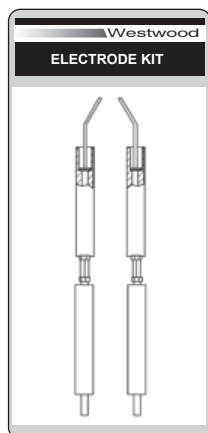
Westwood

**BURNER TUNE - UP KITS**

A REAL TIME SAVER FOR THE MOST POPULAR BURNERS

**TUNE-UP & ELECTRODE KITS (Continued)**

W.P. No. S88-36



W.P. No. S88-38



W.P. No. S88-74

W.P. No.	Ref. No.	Description
S88-38	BK-2	<b>ELECTRODE KIT</b> for Beckett AF, AFG, AR, SF, SR (all size air tube)
		2 - Beckett 1510 electrodes 2 - 3/16" x 13" buss bar rods 2 - E5-2M4 insulators
S88-40		<b>ELECTRODE KIT</b> for Beckett CF500, CF800, up to 9"
		2 - Electrode assemblies 1 - Instruction sheet
S88-42		<b>ELECTRODE KIT</b> for Beckett CF500, CF800, over 9"
		2 - Electrode assemblies 1 - Instruction sheet
S88-44		<b>ELECTRODE KIT</b> for Beckett CF1400, CF3500
		2 - Electrode assemblies
S88-46		<b>ELECTRODE KIT</b> for Beckett NX
		2 - Electrode assemblies 2 - Rod extensions 4-7/8" long 2 - Rod extensions 2-7/8" long
S88-48		<b>ELECTRODE KIT</b> for Beckett CF375
		2 - Electrode assemblies 2 - Support insulators
S88-50		<b>TUNE-UP KIT</b> for Carlin 98 - 102, Elite, 201CRD, 301CRD
		2 - Electrode assemblies 1 - 12" oil line assembly 1 - Red tip setting gauge
S88-60	WMK-100	<b>TUNE-UP KIT</b> for Weil McLain burner
		1 - One piece electrode assembly 2 - Ignition cable leads
S88-70	31156	<b>TUNE-UP KIT</b> for Wayne ER, ERA, EH, EHA, EHASR, M, MSR, MH, OE, OEA
		2 - Electrode stems 2 - Electrode assemblies w/insul. 2 - Insulator bushings 2 - Buss bars (8") 1 - Buss bar support
S88-72	31156W	<b>TUNE-UP KIT</b> for Wayne ER, ERA, EH, EHA, EHASR, M, MSR, MH, OE, OEA
		Same components as S88-70, manufactured by Westwood
S88-74	31157	<b>TUNE-UP KIT</b> for Wayne Blue Angel model HS
		2 - Electrode assemblies w/buss bars 1 - Electrode support 1 - Buss bar support 1 - Oil line assembly
S88-76	31157W	<b>TUNE-UP KIT</b> for Wayne Blue Angel model HS
		Same components as S88-74, manufactured by Westwood

Packaging may vary from that shown

**S8**

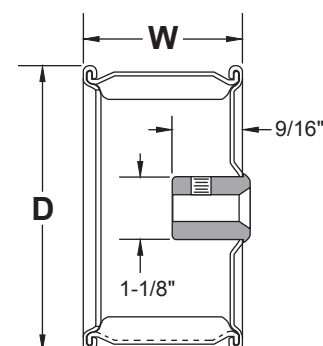




Westwood

**BLOWER WHEELS**

Precision balanced general purpose blower wheel ideal for oil burners. Blade strip is continuous and roll-locked front and back.

**BLOWER WHEELS** (Rotation as viewed from closed end)

<b>CW</b>		<b>CCW</b>		<b>D</b>	<b>W</b>	Fits shaft size	Comments
No.	Ref. No.	No.	Ref. No.				
<b>STANDARD</b>							
S90-10	4030	-	-	4"	3"	1/2"	
S90-12	4230	-	-	4-1/4"	3"	1/2"	
S90-14	4235	-	-	4-1/4"	3-1/2"	1/2"	
S90-16	4725	-	-	4-3/4"	2-1/2"	1/2"	
S90-18	4729	S91-18	4729-1	4-3/4"	3"	1/2"	
S90-20	4734	S91-20	4734-1	4-3/4"	3-1/2"	1/2"	
S90-22	5220	S91-22	5220-1	5-1/4"	2"	1/2"	
S90-24	5225	S91-24	5225-1	5-1/4"	2-1/2"	1/2"	
S90-26	5229	S91-26	5229-1	5-1/4"	3"	1/2"	
S90-28	5234	S91-28	5234-1	5-1/4"	3-1/2"	1/2"	
S90-30	5729	S91-30	5729-1	5-3/4"	3"	1/2"	
S90-32	5734	S91-32	5734-1	5-3/4"	3-1/2"	1/2"	
S90-34	5738	S91-34	5738-1	5-3/4"	3-7/8"	1/2"	
S90-36	6325	-	-	6-1/4"	2-1/2"	1/2"	
S90-38	6329	S91-38	6329-1	6-1/4"	3"	1/2"	
S90-40	6334	S91-40	6334-1	6-5/16"	3-1/2"	1/2"	
S90-42	6338	S91-42	6338-1	6-1/4"	3-7/8"	1/2"	
S90-44	6342	S91-44	6342-1	6-1/4"	4-1/4"	1/2"	
S90-46	6346	-	-	6-1/4"	4-5/8"	1/2"	
-	-	S91-48	7243-1	7"	4-1/4"	1/2"	
<b>SPECIAL</b>							
S90-60	475-243	-	-	4-3/4"	2-7/16"	1/2"	Outside hub
S90-62	475-287	-	-	5-3/4"	2-7/8"	1/2"	Lovejoy prongs
S90-64	575-287	-	-	5-3/4"	2-7/8"	1/2"	Lovejoy prongs
S90-66	625-400	-	-	6-1/4"	4"	1"	Cast hub
S90-68	951-78	-	-	7"	4-1/4"	5/8"	
S90-70	951-81	-	-	9-3/16"	5-1/4"	5/8"	Heavy braces
-	-	S91-72	951-170	9-3/16"	5-1/4"	7/8"	Heavy braces
-	-	S91-74	951-57	11-3/4"	6-1/4"	1-1/8"	Heavy braces

## PRESSURE GAUGES



No.	Ref. No.	Mount	Face	Range	No.	Ref. No.	Mount	Face	Range
<b>S100-100</b>	146010	1/8" CBM	1-1/2"	0-15 PSI	<b>S100-142</b>	47738	1/4" LM	2-1/2"	0-30 PSI
<b>S100-102</b>	146011	1/8" CBM	1-1/2"	0-30 PSI	<b>S100-144</b>	47495	1/4" LM	2-1/2"	0-60 PSI
<b>S100-104</b>	146013	1/8" CBM	1-1/2"	0-100 PSI	<b>S100-146</b>	45331	1/4" LM	2-1/2"	0-100 PSI
<b>S100-106</b>	49488	1/4" CBM	2"	0-30 PSI	<b>S100-148</b>	48365	1/4" LM	2-1/2"	0-160 PSI
<b>S100-108</b>	47615	1/4" LM	2"	0-15 PSI	<b>S100-150</b>	46913	1/4" LM	2-1/2"	0-200 PSI
<b>S100-110</b>	46644	1/4" LM	2"	0-30 PSI	<b>S100-152</b>	45765	1/4" LM	2-1/2"	0-300 PSI
<b>S100-112</b>	45764	1/4" LM	2"	0-60 PSI	<b>S100-154</b>	49611	1/4" LM	2-1/2"	0-400 PSI
<b>S100-114</b>	45330	1/4" LM	2"	0-100 PSI	<b>S100-156</b>	46648	1/4" LM	2-1/2"	0-600 PSI
<b>S100-116</b>	46912	1/4" LM	2"	0-160 PSI	<b>S100-158</b>	5504	1/4" LM	3-1/2"	0-30 PSI
<b>S100-118</b>	47101	1/4" LM	2"	0-200 PSI	<b>S100-160</b>	5506	1/4" LM	3-1/2"	0-60 PSI
<b>S100-120</b>	46778	1/4" LM	2"	0-300 PSI	<b>S100-162</b>	5508	1/4" LM	3-1/2"	0-100 PSI
<b>S100-122</b>	47492	1/4" LM	2"	0-400 PSI	<b>S100-164</b>	5510	1/4" LM	3-1/2"	0-160 PSI
<b>S100-124</b>	47493	1/4" LM	2"	0-600 PSI	<b>S100-166</b>	5512	1/4" LM	3-1/2"	0-200 PSI
<b>S100-126</b>	52420	1/8" LM	2"	0-15 PSI	<b>S100-168</b>	5514	1/4" LM	3-1/2"	0-300 PSI
<b>S100-128</b>	47490	1/8" LM	2"	0-30 PSI	<b>S100-170</b>	5515	1/4" LM	3-1/2"	0-400 PSI
<b>S100-130</b>	52576	1/8" LM	2"	0-60 PSI	<b>S100-172</b>	5516	1/4" LM	3-1/2"	0-600 PSI
<b>S100-132</b>	47491	1/8" LM	2"	0-100 PSI	<b>S100-174</b>	5551	1/4" LM	4-1/2"	0-60 PSI
<b>S100-134</b>	48302	1/8" LM	2"	0-160 PSI	<b>S100-176</b>	5554	1/4" LM	4-1/2"	0-100 PSI
<b>S100-136</b>	46645	1/8" LM	2"	0-200 PSI	<b>S100-178</b>	5561	1/4" LM	4-1/2"	0-200 PSI
<b>S100-138</b>	48363	1/8" LM	2"	0-300 PSI	<b>S100-180</b>	5563	1/4" LM	4-1/2"	0-300 PSI
<b>S100-140</b>	47102	1/4" LM	2-1/2"	0-15 PSI					

## PRESSURE GAUGES - LIQUID FILLED - Stainless steel case



No.	Ref. No.	Mount	Face	Range	No.	Ref. No.	Mount	Face	Range
<b>S100-200</b>	166664	1/8" CBM	1-1/2"	0-30 PSI	<b>S100-238</b>	165295	1/4" CBM	2"	0-1000 PSI
<b>S100-202</b>	166665	1/8" CBM	1-1/2"	0-60 PSI	<b>S100-240</b>	165296	1/4" LM	2-1/2"	0-30 PSI
<b>S100-204</b>	166666	1/8" CBM	1-1/2"	0-100 PSI	<b>S100-242</b>	165297	1/4" LM	2-1/2"	0-60 PSI
<b>S100-206</b>	166667	1/8" CBM	1-1/2"	0-160 PSI	<b>S100-244</b>	165298	1/4" LM	2-1/2"	0-100 PSI
<b>S100-208</b>	166668	1/8" CBM	1-1/2"	0-300 PSI	<b>S100-246</b>	165299	1/4" LM	2-1/2"	0-160 PSI
<b>S100-210</b>	166669	1/8" CBM	1-1/2"	0-1000 PSI	<b>S100-248</b>	165300	1/4" LM	2-1/2"	0-300 PSI
<b>S100-212</b>	165282	1/4" LM	2"	0-30 PSI	<b>S100-250</b>	165301	1/4" LM	2-1/2"	0-600 PSI
<b>S100-214</b>	165283	1/4" LM	2"	0-60 PSI	<b>S100-252</b>	165302	1/4" LM	2-1/2"	0-1000 PSI
<b>S100-216</b>	165284	1/4" LM	2"	0-100 PSI	<b>S100-254</b>	165377	1/4" LM	2-1/2"	0-2000 PSI
<b>S100-218</b>	165285	1/4" LM	2"	0-160 PSI	<b>S100-256</b>	165378	1/4" LM	2-1/2"	0-3000 PSI
<b>S100-220</b>	165286	1/4" LM	2"	0-300 PSI	<b>S100-258</b>	165303	1/4" CBM	2-1/2"	0-30 PSI
<b>S100-222</b>	165287	1/4" LM	2"	0-600 PSI	<b>S100-260</b>	165304	1/4" CBM	2-1/2"	0-60 PSI
<b>S100-224</b>	165288	1/4" LM	2"	0-1000 PSI	<b>S100-262</b>	165305	1/4" CBM	2-1/2"	0-100 PSI
<b>S100-226</b>	165289	1/4" CBM	2"	0-30 PSI	<b>S100-264</b>	165306	1/4" CBM	2-1/2"	0-160 PSI
<b>S100-228</b>	165290	1/4" CBM	2"	0-60 PSI	<b>S100-266</b>	165307	1/4" CBM	2-1/2"	0-300 PSI
<b>S100-230</b>	165291	1/4" CBM	2"	0-100 PSI	<b>S100-268</b>	165308	1/4" CBM	2-1/2"	0-600 PSI
<b>S100-232</b>	165292	1/4" CBM	2"	0-160 PSI	<b>S100-270</b>	165309	1/4" CBM	2-1/2"	0-1000 PSI
<b>S100-234</b>	165293	1/4" CBM	2"	0-300 PSI	<b>S100-272</b>	165380	1/4" CBM	2-1/2"	0-2000 PSI
<b>S100-236</b>	165294	1/4" CBM	2"	0-600 PSI	<b>S100-274</b>	165381	1/4" CBM	2-1/2"	0-3000 PSI

1/4" = 1/4" NPT pipe thread  
1/8" = 1/8" NPT pipe thread



CBM = Center back mount  
LM = Low mount  
LBM = Low back mount

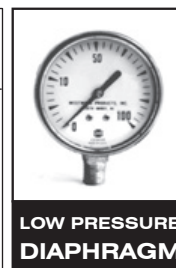
S10

rev. 5-1-05



Please order by No.

## LOW PRESSURE DIAPHRAGM GAUGES

 No.	Ref. No.	Mount	Face	Range	 No.	Ref. No.	Mount	Face	Range
<b>S100-300</b>	161963	1/4" LM	2-1/2"	15" WC	<b>S100-318</b>	161971	1/4" LM	2-1/2"	10 PSI
<b>S100-302</b>	161964	1/4" LM	2-1/2"	35" WC	<b>S100-320</b>	161972	1/4" LM	2-1/2"	20 oz.-35" WC
<b>S100-304</b>	162787	1/4" LM	2-1/2"	60" WC	<b>S100-322</b>	21551	1/4" CBM	2-1/2"	15" WC
<b>S100-306</b>	161965	1/4" LM	2-1/2"	100" WC	<b>S100-324</b>	21552	1/4" CBM	2-1/2"	35" WC
<b>S100-308</b>	161966	1/4" LM	2-1/2"	200" WC	<b>S100-326</b>	75995	1/4" CBM	2-1/2"	60" WC
<b>S100-310</b>	161967	1/4" LM	2-1/2"	20 oz.	<b>S100-328</b>	75991	1/4" CBM	2-1/2"	20 oz.
<b>S100-312</b>	161968	1/4" LM	2-1/2"	32 oz.	<b>S100-330</b>	21553	1/4" CBM	2-1/2"	36 oz.
<b>S100-314</b>	161969	1/4" LM	2-1/2"	36 oz.	<b>S100-332</b>	21554	1/4" CBM	2-1/2"	5 PSI
<b>S100-316</b>	161970	1/4" LM	2-1/2"	5 PSI	<b>S100-334</b>	75996	1/4" CBM	2-1/2"	10 PSI




## COMPOUND GAUGES

 No.	Ref. No.	Mount	Face	Range	 No.	Ref. No.	Mount	Face	Range
<b>S100-400</b>	47925	1/8" LM	2"	30"-60 PSI	<b>S100-408</b>	46646	1/4" LM	2-1/2"	30"-60 PSI
<b>S100-402</b>	49609	1/8" LM	2"	30"-150 PSI	<b>S100-410</b>	47411	1/4" LM	2-1/2"	30"-150 PSI
<b>S100-404</b>	75260	1/8" LM	2"	30"-300 PSI	<b>S100-412</b>	58156	1/4" LM	2-1/2"	30"-300 PSI
<b>S100-406</b>	47105	1/4" LM	2-1/2"	30"-30 PSI					




## GAUGE ADAPTER

 No.	Description
<b>S100-10</b>	1/4"-NPT (F) x 1/8"-NPT (M) Brass gauge adapter




## VACUUM GAUGES

 No.	Ref. No.	Mount	Face	Range
<b>S100-498</b>	-	1/8" LM	1-1/2"	0 - 30" Hg
<b>S100-500</b>	47225	1/8" LM	2"	0 - 30" Hg
<b>S100-502</b>	47103	1/4" LM	2"	0 - 30" Hg
<b>S100-504</b>	47104	1/4" LM	2-1/2"	0 - 30" Hg



## TEST GAUGES

 No.	Ref. No.	Type	Mount	Face	Range	Refrigerant Scale	For Westwood Tester
<b>S100-280</b>	-	Pressure*	1/8" LM	2"	0 - 300 PSI	-	T10, T11
<b>S100-285</b>	-	Pressure*	1/8" LM	2-1/2"	0 - 300 PSI	-	T20, T22
<b>S100-290</b>	-	Vacuum*	1/8" LM	2"	0 - 30" Hg	-	T15
<b>S100-295</b>	-	Vacuum*	1/8" LM	2-1/2"	0 - 30" Hg	-	T20



\* Liquid filled, stainless steel case


1/4" = 1/4" NPT pipe thread  
1/8" = 1/8" NPT pipe thread

CBM = Center back mount  
LM = Low mount  
LBM = Low back mount



Take a look...

PRESSURE & VACUUM TESTERS starting on page T1

Please order by  No.

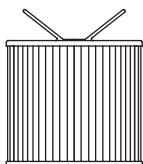
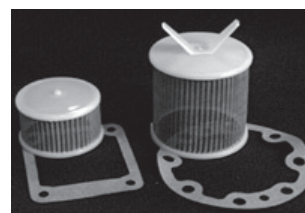
rev. 9-1-13


# S11

Westwood

**OIL BURNER PUMP STRAINERS & GASKETS**

STAINLESS STEEL MESH • NYLON ENDS • SONICALLY WELDED




 No. **S150 (Series)**  
Suntec J, H, S



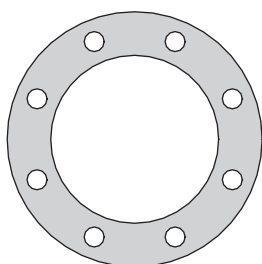
 No. **S160 (Series)**  
Suntec A70




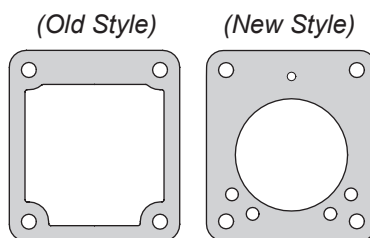
 No. **S170 (Series)**  
Suntec B80, 1-3/8"




 No. **S180 (Series)**  
Suntec B80, 1-5/8"




 No. **S150 (Series)**  
Suntec J, H, S



 No. **S190 (Series)**  
Suntec A70 & B80




 No. **S195**  
Riello




 No. **S195-5**  
Riello



 No. **S197**  
Danfoss



 No. **S197-5**  
Danfoss

 No.	Ref. No.	Description	biofuels COMPATIBLE <b>B5</b> <small>SEE STATEMENT ON INSIDE COVER</small>
<b>S150</b>	JHS	Strainer for Suntec J, H, S, individually boxed w/gasket	
<b>S150-10</b>	-	Strainer for Suntec J, H, S, individually bagged w/gasket	
<b>S150-12</b>	-	"P" Strainer for Suntec J, H, S, high capacity (coarse mesh), individually bagged w/gasket	
<b>S150-55</b>	-	Cover gasket for Suntec J, H, S, package of 10 gaskets	
<b>S150-60</b>	-	Cover gasket for Suntec J, H, S, package of 50 gaskets	
<b>S150-65</b>	-	Cover gasket for Suntec J, H, S, package of 100 gaskets	
<b>S160-10</b>	-	Strainer for Suntec A70 single-stage mini pump, individually bagged w/old style gasket	
<b>S160-12</b>	-	Strainer for Suntec A70 single-stage mini pump, individually bagged w/new style gasket	
<b>S170</b>	-	Strainer for Suntec B80 two-stage mini pump, 1-3/8" long, indiv. boxed w/old style gasket	
<b>S170-1</b>	-	Strainer for Suntec B80 two-stage mini pump, 1-3/8" long, indiv. boxed w/new style gasket	
<b>S180</b>	-	Strainer for Suntec B80 two-stage mini pump, 1-5/8" long, indiv. boxed w/old style gasket	
<b>S180-1</b>	-	Strainer for Suntec B80 two-stage mini pump, 1-5/8" long, indiv. boxed w/new style gasket	
<b>S190</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, old style, package of 50 gaskets	
<b>S190-1</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, old style, package of 100 gaskets	
<b>S190-2</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, old style, package of 10 gaskets	
<b>S190-5</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, new style, package of 50 gaskets	
<b>S190-6</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, new style, package of 100 gaskets	
<b>S190-7</b>	-	Cover gasket for Suntec A70 and B80 mini pumps, new style, package of 10 gaskets	
<b>S195</b>	-	Strainer for Riello pump, individually bagged w/'O' ring gasket	
<b>S195-5</b>	-	Cover 'O' ring gasket for Riello pump, package of 6 'O' rings	
<b>S196</b>	-	Riello strainer w/o-ring and cork gasket	
<b>S197</b>	-	Strainer for Danfoss pump, individually bagged w/'O' ring gasket	
<b>S197-5</b>	-	Cover 'O' ring gasket for Danfoss pump, package of 6 'O' rings	

## FUEL SYSTEM PARTS

## BY-PASS PLUGS



**1/16"  
THREAD**  
For Suntec A, B  
Webster M

No. S211, -1



**1/8"  
THREAD**  
For Suntec J, H  
Webster R

No. S211-2, -3



**METRIC  
THREAD**  
For RIELLO  
pump

No. S211-4, -5

## NOZZLE LINES



No. S213 & S214 (Series)

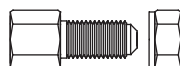
## MILLER FURNACE OIL LINE KIT

- 1 · S213-7 oil line. For Wayne Home Equip. OE, OE-LS, M-LS, MSRH, Nu-Way FM, FM-LS, FS-LS, Beckett AF-15, when burner does not have a Sundstrand A1VA 17J1600 pump.
- 1 · S213-11 oil line. For Wayne Home Equip. OE, OE-LS, Nu-Way FM, FM-LS, when burner has Sundstrand A1VA 17J1600 pump.
- 1 · 1/4" flare x 3/16" flare reducer adapter for certain Wayne OE & OE-LS burners
- 1 · 3/16" flare x 1/8" · NPT elbow for certain Wayne OE & OE-LS burners

No. S214-25



For  
S, SR, SF Series



For  
A, AF, AR Series

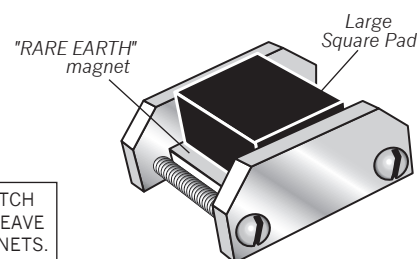
No. S215, -1

## MAGIC\*PATCH™

FOR TEMPORARY USE ON LEAKING FUEL OIL TANKS

### TAKE THE MAGIC\*PATCH™ CHALLENGE

PUT A MAGIC\*PATCH AGAINST A REGULAR MAGNETIC PATCH (PAD TO PAD, HELD TOGETHER BY THE MAGNETS) AND LEAVE THEM FOR 24 HOURS. AFTER THAT TIME TEST THE MAGNETS. YOU'LL SEE WHAT MAKES THE MAGIC\*PATCH, "MAGIC"



...holds like magic!

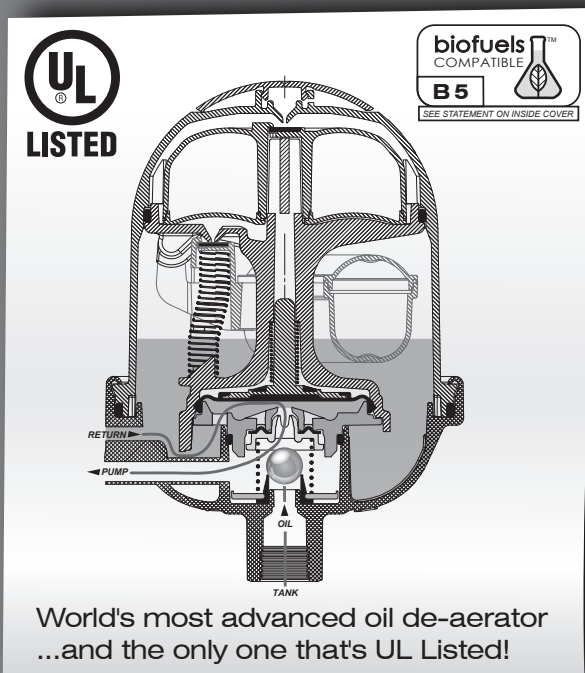
No. S216

## BY-PASS PLUGS, OIL LINES &amp; FITTINGS, MAGIC-PATCH

No.	Ref. No.	Description
S211	-	By-Pass Plug for Suntec A, B and Webster M, 1/16" · NPT, package of 10
S211-1	-	By-Pass Plug for Suntec A, B and Webster M, 1/16" · NPT, package of 100
S211-2	-	By-Pass Plug for Suntec J, H and Webster R, 1/8" NPT, package of 10
S211-3	-	By-Pass Plug for Suntec J, H and Webster R, 1/8" NPT, package of 100
S211-4	-	By-Pass Plug for RIELLO pump, (takes 2.5mm hex key), package of 10
S211-5	-	By-Pass Plug for RIELLO pump, (takes 2.5mm hex key), package of 100
S213-5	3605	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 5" long
S213-7	3607	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 7" long
S213-8	3608	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 8" long
S213-11	3611	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 11" long
S213-12	3612	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 12" long
S213-16	3616	Nozzle line w/flare nuts, 3/16" O.D. copper tubing, 16" long
S214-12	1412	Nozzle line w/flare nuts, 1/4" O.D. copper tubing, 12" long
S214-16	1416	Nozzle line w/flare nuts, 1/4" O.D. copper tubing, 16" long
S214-25	OL-711	Oil line parts kit for Miller furnaces, (1) S213-7, (1) S213-11, (2) fittings
S215	-	Replacement nozzle line fitting for Beckett S, SR, SF series burners
S215-1	-	Replacement nozzle line fitting for Beckett A, AF, AR series burners
S216	-	MAGIC*PATCH magnetic emergency tank leak patch



# The Tigerloop<sup>®</sup> Oil De-aerator



## The Tigerloop<sup>®</sup> Oil De-aerator

The Tigerloop<sup>®</sup> is a wonderful device that has many benefits. It is often misunderstood and its workings can be difficult to grasp. Hopefully after reading this you'll come away with at least a basic idea of how the Tigerloop<sup>®</sup> works, and how it can improve the efficiency and extend the life of your oil heating systems.

The Tigerloop<sup>®</sup> combines the benefits of a single pipe system with a two pipe system. With a Tigerloop<sup>®</sup> installed, you need only to transport oil at the nozzle firing rate (i.e. 1 gph). This allows you to use one small line from the tank to the Tigerloop<sup>®</sup>, whereas with a 2 pipe installation you have to provision 2 large diameter lines that will handle oil traffic at approximately 20 gph in both directions. One immediate benefit is the cost savings of dropping one line, but there are many more advantages. You filter less oil, 1 gph vs. 20 gph, which extends filter life. You preheat oil because it travels slowly into the house (at 1 gph) and loops through the Tigerloop<sup>®</sup> and pump approx. 20 times, picking up heat before it is fired. Contrast this to a 2 pipe system where cold oil enters the house rapidly (20 gph) and then is immediately sent back outside into the cold tank again (this also stirs up sediment in the tank, which can clog nozzles and filters). With a Tigerloop<sup>®</sup> you also eliminate the risk of a leak from the pressurized return line that is constantly pumping oil back to the tank. You also get a vacuum reduction because you are only pulling 1 gph up the inlet line instead of 20 gph. This is even more critical if you are lifting oil, or have a restricted line or a dirty filter. Imagine trying to pull 20 gph through a small restriction. Installing a Tigerloop<sup>®</sup> cuts the flow rate down to 1 gph, dropping vacuum and improving burner efficiency, while putting less strain on your oil pump and motor. Vacuum pulls vapor right out of the oil even in an "air tight" system. Less vacuum, less air, less problems....higher efficiency.

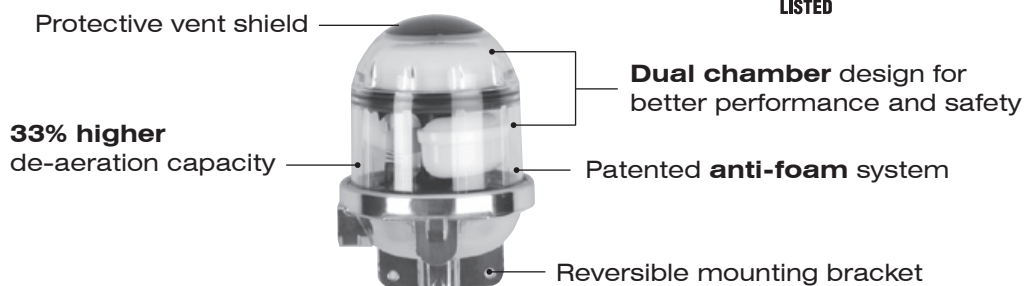
The Tigerloop<sup>®</sup> takes the good things of a 2 pipe system and improves them. With a 2 pipe system, all of the air and oil in the line flows through the pump, flows by (or out) the nozzle and then gets returned all the way back to the tank. The Tigerloop<sup>®</sup> improves upon this by deaerating the return oil and sending it back to the pump. This can reduce air by 95%. For example if you need 1 gph from the tank, the Tigerloop<sup>®</sup> is supplying 19 gph of de-aerated oil. This means that 19 out of 20 gallons (or 95%) of the oil has been de-aerated, and you get an efficiency bump. The flame will sputter less, the burner will fire cleaner and produce less soot. Soot build-up on the inside of a boiler will interfere with the absorption of heat. With a Tigerloop<sup>®</sup> installed, the heat will be going into the home, instead of up the chimney. In a single pipe system, all air in the line has to go out the nozzle, so installing a Tigerloop<sup>®</sup> will reduce lockouts, flameouts, and sputters. This will give you the efficiency benefits mentioned above.

Now a quick explanation of how the Tigerloop<sup>®</sup> works. Oil gets pulled through a check valve (inside the Tigerloop) and then thru the pump. The pump gives the nozzle what it needs (i.e. 1 gph) and then sends the excess 19 gph back to the Tigerloop<sup>®</sup> to be de-aerated. As oil rises in the Tigerloop<sup>®</sup>, air escapes from the top vent until a float lifts and seals the vent. When the vent seals, the Tigerloop<sup>®</sup> builds pressure (about 1/3 psi). The pressure opens a valve sending de-aerated oil back to the pump, creating the loop. If any air reaches the Tigerloop<sup>®</sup>, the float drops, the vent opens and the air is removed. The float rises again sealing the Tigerloop<sup>®</sup>.

You can see that having a Tigerloop<sup>®</sup> is better than either a single pipe system or a 2 pipe system, and if the Tigerloop<sup>®</sup> saves a service call, you save money (and aggravation). You also improve burner efficiency and gain customer satisfaction, things which are extremely important in today's oil heating marketplace.

# S14



**Tigerloop®****Model TN**

## World's most advanced oil de-aerator!

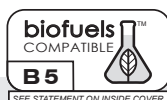
After years of development, the next generation Tigerloop® oil de-aerator has arrived! With over 30 years experience and more than 3.5 million Tigerloops® installed worldwide, Tigerholm is uniquely qualified to take oil de-aeration to the next level.

## More than just a problem solver!

For years, Tigerloop® has been primarily thought of as a problem solver, a "band-aid," used to easily cure air and suction line problems. But, that's only part of the story! All systems benefit from Tigerloop's® unique ability to condition the oil prior to burning. Whether it's air elimination, nozzle coking problems, vacuum reduction, oil preheating, or just the elimination of that potentially leaky return line, Tigerloop® is today's safe, economical, environmentally friendly choice for all oil supply systems.

## The Advantages of Tigerloop®...

- Safely Handles suction line air leaks.*
- Removes air entrained in oil during transporting and delivery.*
- Reduces running vacuum for clear, foam-free oil at the nozzle.*
- Eliminates potential leak hazard by eliminating the return line.*
- Preheats the oil for cleaner combustion.*
- Extends filter element life.*

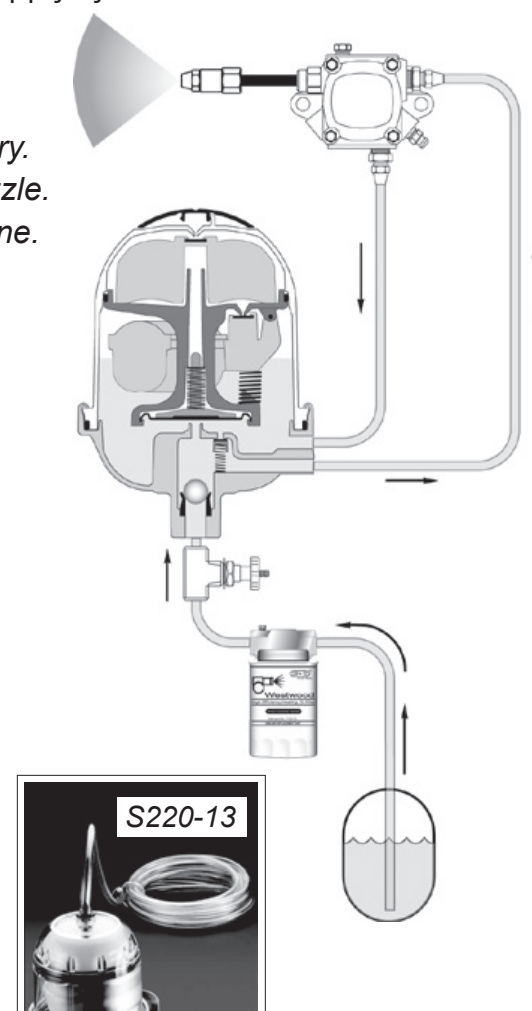


### Technical Information

MAX. NOZZLE CAPACITY . . . . . 29.0 GPH  
 MAX. RETURN OIL FLOW . . . . . 31.7 GPH  
 TEMPERATURE RANGE . . . . . 20° - 105° F  
 MAX. INLET PRESSURE . . . . . 8 PSI  
 CONNECTIONS . . . . . 1/4" - NPT (female)  
 FUEL . . . . . No. 1 & 2 HEATING OIL, B5 BioHeat®

*Not for use with E-diesel or any fuel containing Ethanol (alcohol)*

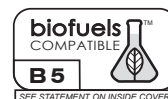
No.	Description
S220*	<b>Tigerloop®</b> oil de-aerator, model TN, UL Listed includes <i>Firomatic</i> fusible valve.
S220-10	3/8"- NPT <i>Firomatic</i> fusible valve only w/reducing nipple installed (3/8"- NPT x 1/4"- NPT)
S220-11	<b>Tigerloop®</b> Installation Bundle, oil de-aerator, model TN, UL Listed, w/ <i>Firomatic</i> fusible valve, plus two 36" flexible oil lines.
S220-13	<b>Tigerloop®</b> vent hose kit to re-route vapors.



The New

**Tigerloop®****ULTRA™**

The economical Tigerloop®/Spin-On filter combination that's fast and easy to install. Costs less than installing a Tigerloop® and Spin-On separately! Designed specifically for the demands of American heating systems.




**Costs less** than installing a Tigerloop® and Spin-On separately!

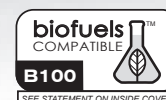
#### Technical Information

MAX. NOZZLE CAPACITY . . . . 29.0 GPH  
 MAX. RETURN OIL FLOW . . . . 31.7 GPH  
 TEMPERATURE RANGE . . . . 20° - 105° F  
 MAX. INLET PRESSURE . . . . . 8 PSI  
 CONNECTIONS . . . . .1/4" - NPT (female)


REPLACEMENT ELEMENT . . . . . F100-10  
 ELEMENT MEDIA . . . . . 10 Micron  
 ELEMENT CANISTER . . . . . EPOXY INSIDE  
 FUEL . . . . No. 1 & 2 HEATING OIL, B5 BioHeat®  
*Not for use with E-diesel or any fuel containing Ethanol (alcohol)*

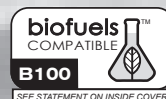
#### Tigerloop® ULTRA™ OIL DE-AERATOR & SPIN-ON FILTER

 No.	Description
S220-8	<b>Tigerloop® ULTRA™</b> oil de-aerator & Spin-On filter, <i>UL Listed</i> , includes <i>Firomatic</i> fusible safety valve.
S220-12	<b>Tigerloop® ULTRA™ Installation Bundle</b> , oil de-aerator, Spin-On filter, <i>UL Listed</i> , w/ <i>Firomatic</i> valve, plus two 36" flexible oil lines.
S220-13	<b>Tigerloop®</b> vent hose kit to re-route vapors.
F100-10	Replacement Spin-On element only, standard thread, see page F4

**Tigerloop®****Bio™****NEW!****A standard Tigerloop® with B100 compatibility!**Totally **Metallic**  
Housing**Technical Information**

MAX. NOZZLE CAPACITY . . . . . 29.0 GPH  
 MAX. RETURN OIL FLOW . . . . . 31.7 GPH  
 TEMPERATURE RANGE . . . . . 20° - 105° F  
 MAX. INLET PRESSURE . . . . . 8 PSI  
 CONNECTIONS . . . . . 1/4" - NPT (female)  
 FUEL . . . . . biofuels up to **B100** BioHeat®, No. 1 & 2 OIL  
 Not for use with E-diesel or any fuel containing Ethanol (alcohol)

 No.	Description
S220-1	<b>Tigerloop® Bio™</b> oil de-aerator for biofuels to B100

**Tigerloop®****ULTRA-B™****NEW!****A standard Tigerloop® ULTRA™  
with B100 compatibility!**Totally **Metallic**  
Housing**Technical Information**

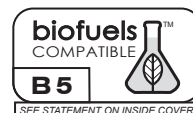
MAX. NOZZLE CAPACITY . . . . . 29.0 GPH  
 MAX. RETURN OIL FLOW . . . . . 31.7 GPH  
 TEMPERATURE RANGE . . . . . 20° - 105° F  
 MAX. INLET PRESSURE . . . . . 8 PSI  
 CONNECTIONS . . . . . 1/4" - NPT (female)  
 REPLACEMENT ELEMENT . . . . . F100-10  
 ELEMENT MEDIA . . . . . 10 Micron  
 ELEMENT CANISTER . . . . . EPOXY INSIDE  
 FUEL . . biofuels up to **B100** BioHeat®, No. 1 & 2 HEATING OIL  
 Not for use with E-diesel or any fuel containing Ethanol (alcohol)

 No.	Description
S220-9	<b>Tigerloop® ULTRA™-B</b> oil de-aerator & filter




**Tigerloop®****Combi™**

A European Favorite



The **Tigerloop® Combi™** was developed for the low firing rate burners of Europe. It features a clear plastic bowl which houses a high efficiency sintered plastic filter element. The forerunner of the **Tigerloop® ULTRA™**.

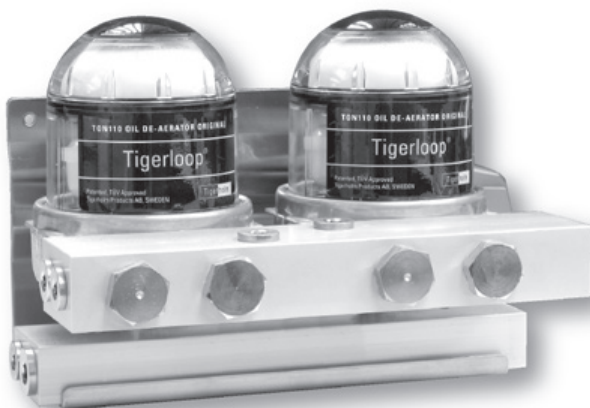
**Tigerloop® Combi™ OIL DE-AERATOR & FILTER**

 No.	Description
S220-4	<b>Tigerloop® Combi™</b> oil de-aerator & filter
S220-6	Replacement sintered plastic filter element for S220-4 (Combi)
S220-7	O-ring for Combi filter cup (Pkg. of 6)

Technical specs are the same as for the S220. See page S15

**Tigerloop®****Twin™**

*For  
Commercial  
Burners*



**If something is good...  
then two are better!**


The **Tigerloop® Twin™** has twice the capacity for those large commercial jobs. Get all the benefits of Tigerloop's famous de-aeration capabilities...in a bigger way! Comes complete with Westwood's commercial duty Spin-On filter.

**Technical Information**

MAX. NOZZLE CAPACITY . . . . . 52.8 GPH  
 MAX. RETURN OIL FLOW . . . . . 52.8 GPH  
 TEMPERATURE RANGE . . . . . 20° - 105° F  
 MAX. INLET PRESSURE . . . . . 8 PSI  
 TANK CONNECTION . . . . . 3/8" - NPT  
 PUMP CONNECTIONS . . . . . 1/4" - NPT

SPIN-ON FILTER SUPPLIED . . . . . F100-1  
 REPLACEMENT ELEMENT . . . . . F100-11  
 ELEMENT MEDIA . . . . . 30 Micron  
 ELEMENT CANISTER . . . . . EPOXY INSIDE  
 FUEL . . . . . No. 1 & 2 HEATING OIL, B5 BioHeat®  
*Not for use with E-diesel or any fuel containing Ethanol (alcohol)*

**Tigerloop® Twin™ OIL DE-AERATOR & SPIN-ON FILTER**


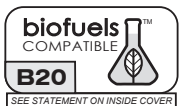
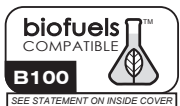
 No.	Description
S220-15	<b>Tigerloop® Twin™</b> oil de-aerator & commercial duty Spin-On filter
F100-11	Replacement Spin-On element, standard thread, see page F4

GENUINE

**Tigerloop®**For use as oil burner pump suction  
and return lines (not for nozzle line)**FLEXIBLE OIL LINES**

For swing-out doors and oil de-aerators


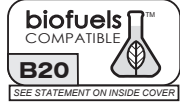
Steel Braided Covering - 24" and 36" Long - 145 PSI - 200 °F  
For No. 1 and 2 heating oil, BioHeat® B20 or B100**FLEXIBLE OIL LINES, Standard**

 No.	Description	BioFuels Rating
S220-24	Flexible oil line, braided steel covering, 1/4"- NPT (MxM), 24" long	
S220-36	Flexible oil line, braided steel covering, 1/4"- NPT (MxM), 36" long	
S220-40	Replacement fitting for flexible oil line, 3/8" inv. flare x 1/4"-NPT	
S222-36	Flexible oil line, braided steel covering, 3/8" Flare (FxF), 36" long	
S223-24	BioFuels Flexible oil line, braided steel covering, 1/4"- NPT (MxM), 24" long	
S223-36	BioFuels Flexible oil line, braided steel covering, 1/4"- NPT (MxM), 36" long	

**New!****FLEXIBLE OIL LINES****SPECIAL FOR RIELLO**

Color coded Red &amp; Blue for easy identification

European thread connects  
to **RIELLO** pump adaptorEasy installation & service with  
two piece swivel connector**FLEXIBLE OIL LINES, Special for RIELLO burners**

 No.	Description	BioFuels Rating
S221-24	Flexible oil line for Riello burner, braided steel outside covering, 1/4"- NPT (M) x 1/4"- BSPP (RIELLO pump adapter thread), 24" long	
S221-36	Flexible oil line for Riello burner, braided steel outside covering, 1/4"- NPT (M) x 1/4"- BSPP (RIELLO pump adapter thread), 36" long	

Service Advisory: All flexible oil lines should be inspected annually for deterioration (i.e. stiffness, cracks, etc.) and replaced every 3 years



Take a look . . .

For testing RIELLO pumps see page T2 &amp; T3

Please order by



No.

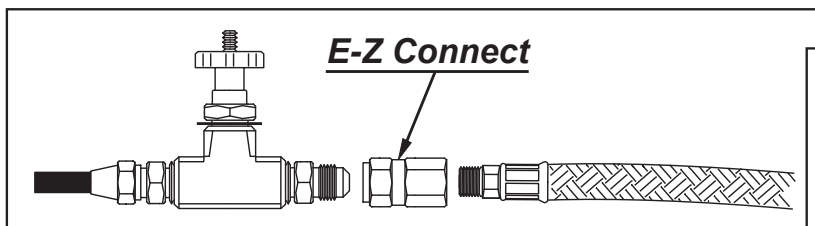
rev. 3-1-11

**S19**



## **E-Z Connect** ADAPTOR FITTING

*One fitting quickly connects the 1/4"-NPT male end of flexible oil lines to 3/8" FLARE!*



3/8" FLARE 1/4"-NPT

*No more searching for fittings to improvise a connection!*

 No. S220-50

## CHECK VALVES

3/8" - NPT



 No. S230

1/2" - NPT



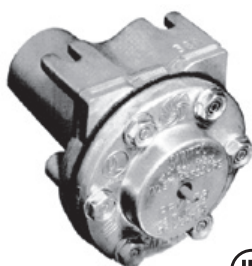
 No. S230-1

## OIL LINE SAFETY VALVES

*Isolates burner components from fuel supply line pressure.  
Requires pump vacuum to draw oil from the tank.*



### **PRV** Oil Line Safety Valve



 No. S225



#### Technical Information

MAXIMUM FLOW . . . . . 20 GPH  
TEMPERATURE RANGE . . . . . 0 - 160° F  
MAX. INLET PRESSURE . . . . . 40 PSI  
FUEL . . . . . No. 2 OR LIGHTER  
APPROVAL . . . . . UL LISTED  
CONNECTIONS . . . . . 3/8" - NPT

### **Tigerholm**

AN SPX BRAND

#### **Tigerstop™** Anti-siphon valve

Adjustable for heights  
up to 13 ft.

 No. S224-2



#### Technical Information

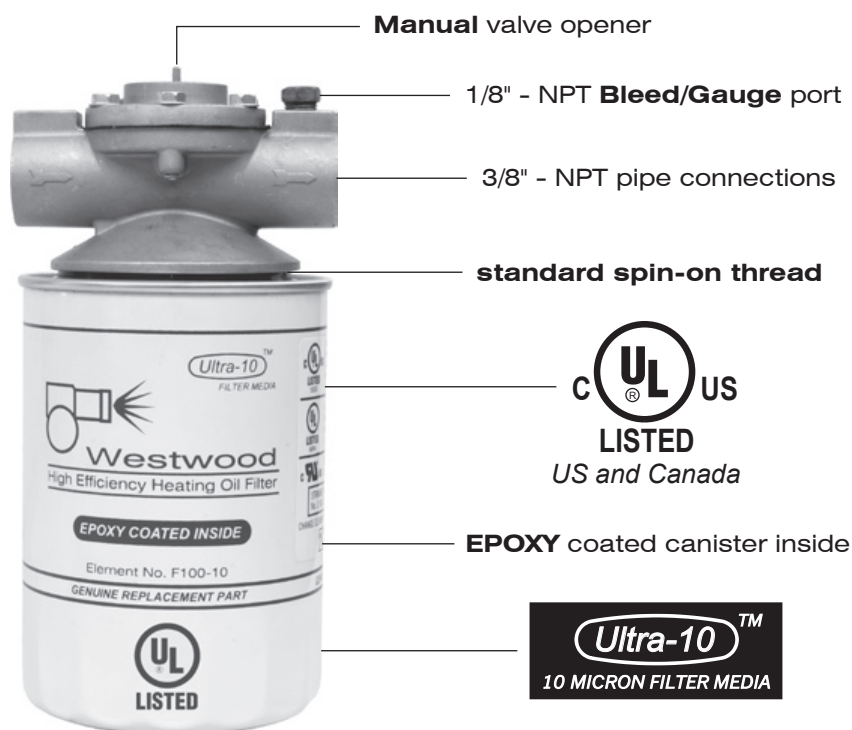
MAXIMUM FLOW  
at 0.58 PSI pressure loss . . . . . 52.8 GPH  
MAX TEMPERATURE . . . . . 104° F  
MAX. INLET PRESSURE . . . . . 87 PSI  
FUEL . biofuels to B20, No.1 & 2 Heating Oil  
CONNECTIONS . . . . . 3/8" - NPT  
Height . . . . . adjustable to 13 ft



Westwood

**New!****OIL SAFETY VALVE & SPIN-ON FILTER**

Combines the Suntec PRV-38P oil safety valve with the Westwood Products Ultra-10™ (10 micron) high efficiency Spin-On filter element number F100-10. This combination provides the ultimate in protection for oil supply systems and costs less than installing an oil safety valve and Spin-On separately!




**Costs less** than installing an Oil Safety Valve and Spin-On separately!

**Technical Information**

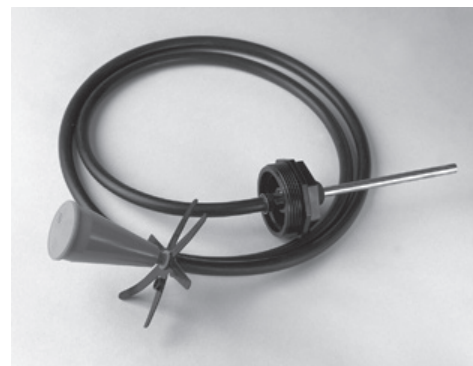
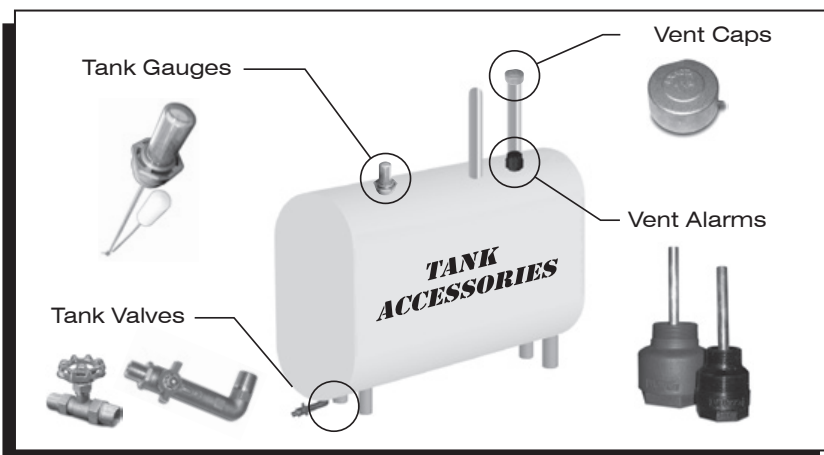
CONNECTIONS . . . . . 3/8"-NPT  
 INLET PRESSURE . . . . . 40 PSI MAX  
 TEMPERATURE RANGE . . . . . 0 - 160° F  
 FUEL . . . . . No. 2 OIL OR LIGHTER  
 MAXIMUM FLOW . . . . . 45 GPH

MAXIMUM FIRING RATE . . . . . 17 GPH  
 REPLACEMENT ELEMENT . . . . . F100-10  
 ELEMENT MEDIA . . . . . 10 Micron  
 ELEMENT CANISTER . . . . . EPOXY INSIDE  
 APPROVAL . . . . . UL LISTED



**Westwood OIL SAFETY VALVE & SPIN-ON FILTER**

 No.	Description
<b>S226</b> <b>F100-10</b>	<b>Westwood</b> oil safety valve and Spin-On filter, UL Listed Replacement Spin-On element, standard thread, see page F4

Westwood

**HEATING OIL TANK ACCESSORIES**

**S260 Tigerflex™  
Floating Suction Line**

 No.	Description	 No.	Description
S260	Tigerflex™ Floating Suction Line 1-1/2" & 2"	S270-10	2" Aluminum vent cap, set screw, screen
S270	1-1/4" Vent alarm	S270-20	1/2" x 3/8" Oil tank valve, straight
S270-1	2" Vent alarm	S270-22	1/2" x 3/8" Oil tank valve, 90° angle
S270-4	1-1/4" Aluminum vent cap, set screw	S270-24	1-1/2" and 2" Tank gauge, 24"
S270-6	1-1/4" Aluminum vent cap, set screw, screen	S270-44	1-1/2" and 2" Tank gauge, 44"
S270-8	2" Aluminum vent cap, set screw		

**S280 Tigex® 150 Draft Stabilizer**

Stainless steel design fights soot, moisture, and corrosive chemicals. Gas tight 1100°C superwool seal ensures no leakage of exhaust fumes, and quiet function - the damper flap opens and closes quietly during operation as there are no metal parts hitting each other. Easy to install. Self-cleaning door axel. Incredible quality - the top of the line!



Tigex® 150  
Draft Stabilizer




Adapter for round flue pipe

Finish Color		Description
Stainless	Black	
S280	S280-2	Tigex® 150 Draft Stabilizer
S280-130	S280-132	Adapter for 5" round flue pipe
S280-150	S280-152	Adapter for 6" round flue pipe
S280-180	S280-182	Adapter for 7" round flue pipe
S280-200	S280-202	Adapter for 8" round flue pipe

**UNIVERSAL DRAFT REGULATOR**

Fits the most popular smoke pipe sizes, 6", 7", 8", galvanized steel.

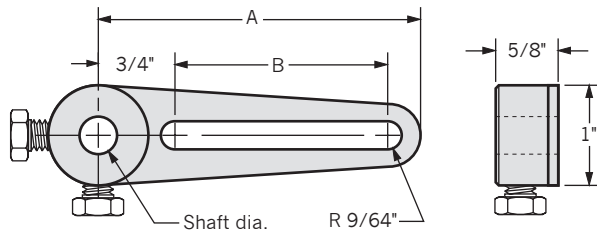
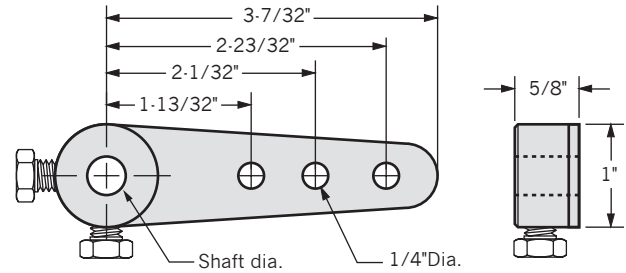
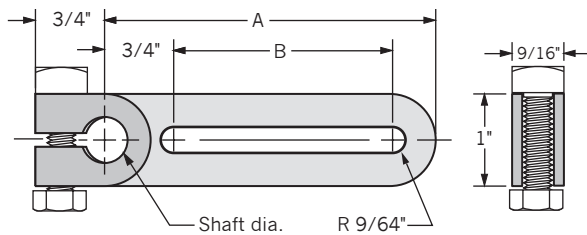
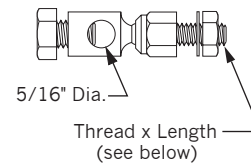
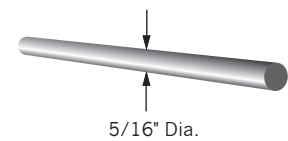
 No.	Ref. No.	Description
S300-300	#678	3 in 1 combination draft regulator, fits 6", 7", 8" smoke pipe




Westwood

**CRANK ARMS - SWIVELS - PUSH RODS**

PRECISION MACHINED • HEAVY DUTY • PLATED STEEL

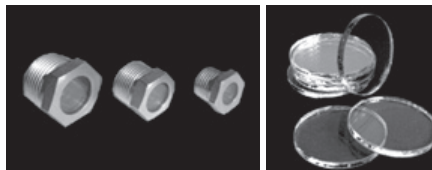
**Slotted Crank Arm****3 Hole Crank Arm****Slotted Crank Arm  
(shaft clamping)****Swivel****Push Rod**


 No.	Ref. No.	Shaft Dia.	A	B	Swivel Thread x Length	Push Rod Length	Description
S300-400	ARM-3S	3/8"	3-3/16"	2-1/8"	-	-	Slotted crank arm
S300-402	ARM-5S	1/2"	3-3/16"	2-1/8"	-	-	Slotted crank arm
S300-404	ARM-3L	3/8"	4-15/16"	3-7/8"	-	-	Slotted crank arm
S300-406	ARM-5L	1/2"	4-15/16"	3-7/8"	-	-	Slotted crank arm
S300-408	ARM-14	3/8"	-	-	-	-	3 hole crank arm
S300-410	ARM-15	1/2"	-	-	-	-	3 hole crank arm
S300-412	ARM-5C	1/2"	3-19/32"	2-3/8"	-	-	Clamping crank arm
S300-414	SW-4	-	-	-	1/4-20 x 7/16"	-	Swivel
S300-416	SW-5	-	-	-	5/16-24 x 41/64"	-	Swivel
S300-418	SW-6	-	-	-	5/16-24 x 33/64"	-	Swivel
S300-420	SW-8	-	-	-	1/4-28 x 9/16"	-	Swivel
S300-422	SW-9	-	-	-	1/4-20 x 9/16"	-	Swivel
S300-424	PR-12	-	-	-	-	12"	5/16" dia. push rod
S300-426	PR-18	-	-	-	-	18"	5/16" dia. push rod
S300-428	PR-24	-	-	-	-	24"	5/16" dia. push rod
S300-430	PR-36	-	-	-	-	36"	5/16" dia. push rod
S300-432	PR-48	-	-	-	-	48"	5/16" dia. push rod

Westwood



**HIGH TEMPERATURE GLASSWARE**

BOROSILICATE &amp; SODA LIME WINDOW GLASS

**OBSERVATION PORTS****Clear - Soda Lime Window Glass - Male Pipe Thread Mount - 500° F**

 No.	Reference No.	Pipe Thread	Working Pressure
<b>S305-37</b>	OBS-38	3/8"- NPT	3,700 PSI
<b>S305-50</b>	OBS-50	1/2"- NPT	3,500 PSI
<b>S305-75</b>	OBS-75	3/4"- NPT	3,000 PSI
<b>S305-100</b>	OBS-100	1"- NPT	2,500 PSI
<b>S305-125</b>	OBS-125	1-1/4"- NPT	2,000 PSI
<b>S305-150</b>	OBS-153	1-1/2"- NPT	1,500 PSI

**ROUND SIGHT GLASSES - Clear - Borosilicate Glass - 400° F**

Diameter	 No.			Diameter	 No.		
	1/8" Thick	3/16" Thick	1/4" Thick		1/8" Thick	3/16" Thick	1/4" Thick
1"	<b>S312-100</b>	<b>S318-100</b>	<b>S325-100</b>	2-5/8"	<b>S312-262</b>	<b>S318-262</b>	<b>S325-262</b>
1-1/8"	<b>S312-112</b>	<b>S318-112</b>	<b>S325-112</b>	2-3/4"	<b>S312-275</b>	<b>S318-275</b>	<b>S325-275</b>
1-3/16"	<b>S312-118</b>	<b>S318-118</b>	<b>S325-118</b>	3"	<b>S312-300</b>	<b>S318-300</b>	<b>S325-300</b>
1-1/4"	<b>S312-125</b>	<b>S318-125</b>	<b>S325-125</b>	3-1/8"	<b>S312-312</b>	<b>S318-312</b>	<b>S325-312</b>
1-3/8"	<b>S312-137</b>	<b>S318-137</b>	<b>S325-137</b>	3-3/16"	<b>S312-318</b>	<b>S318-318</b>	<b>S325-318</b>
1-7/16"	<b>S312-143</b>	<b>S318-143</b>	<b>S325-143</b>	3-1/4"	<b>S312-325</b>	<b>S318-325</b>	<b>S325-325</b>
1-1/2"	<b>S312-150</b>	<b>S318-150</b>	<b>S325-150</b>	3-3/8"	<b>S312-337</b>	<b>S318-337</b>	<b>S325-337</b>
1-5/8"	<b>S312-162</b>	<b>S318-162</b>	<b>S325-162</b>	3-7/16"	<b>S312-343</b>	<b>S318-343</b>	<b>S325-343</b>
1-3/4"	<b>S312-175</b>	<b>S318-175</b>	<b>S325-175</b>	3-1/2"	<b>S312-350</b>	<b>S318-350</b>	<b>S325-350</b>
2"	<b>S312-200</b>	<b>S318-200</b>	<b>S325-200</b>	3-5/8"	<b>S312-362</b>	<b>S318-362</b>	<b>S325-362</b>
2-1/8"	<b>S312-212</b>	<b>S318-212</b>	<b>S325-212</b>	3-3/4"	<b>S312-375</b>	<b>S318-375</b>	<b>S325-375</b>
2-3/16"	<b>S312-218</b>	<b>S318-218</b>	<b>S325-218</b>	4"	<b>S312-400</b>	<b>S318-400</b>	<b>S325-400</b>
2-1/4"	<b>S312-225</b>	<b>S318-225</b>	<b>S325-225</b>	4-1/2"	<b>S312-450</b>	<b>S318-450</b>	<b>S325-450</b>
2-3/8"	<b>S312-237</b>	<b>S318-237</b>	<b>S325-237</b>	5"	<b>S312-500</b>	<b>S318-500</b>	<b>S325-500</b>
2-7/16"	<b>S312-243</b>	<b>S318-243</b>	<b>S325-243</b>	6"	<b>S312-600</b>	<b>S318-600</b>	<b>S325-600</b>
2-1/2"	<b>S312-250</b>	<b>S318-250</b>	<b>S325-250</b>				

Special size round, square, rectangular shapes, and colors available. Consult the factory for price and delivery.

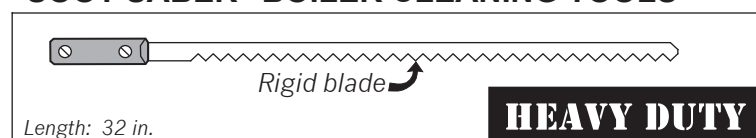
## BOILER & FURNACE CLEANING ITEMS

### "SERVICE-SAW" BOILER SCALE BUSTING TOOL

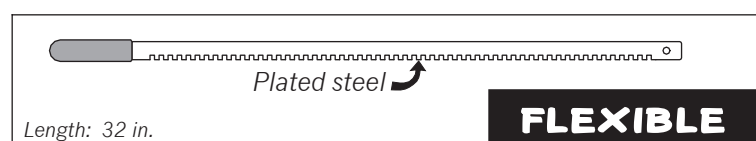


 No. S400

### "SOOT SABER" BOILER CLEANING TOOLS

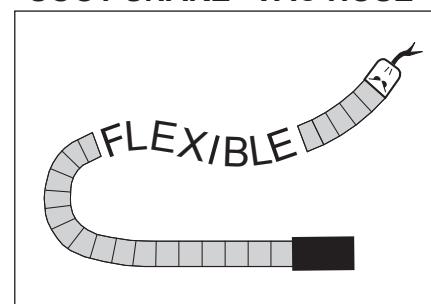


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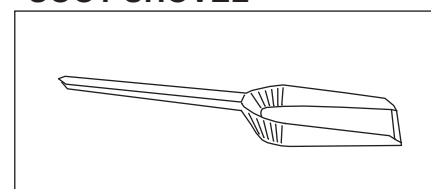
 No. S405


### "SOOT SNAKE" VAC HOSE



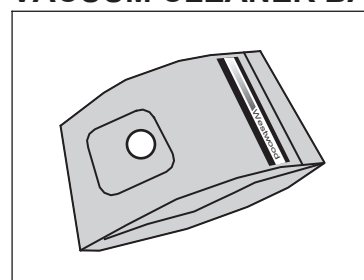
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### SOOT SHOVEL

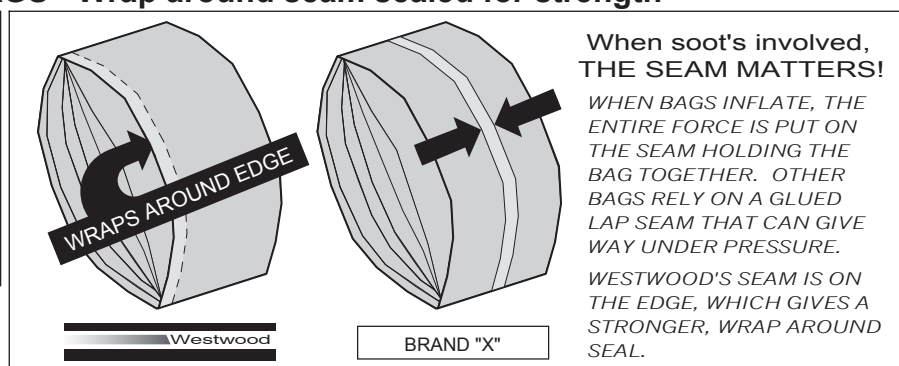


 No. S412


### VACUUM CLEANER BAGS - Wrap around seam sealed for strength



 No. S450-14, -15











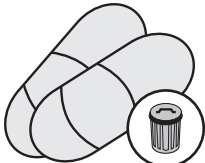
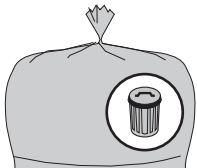
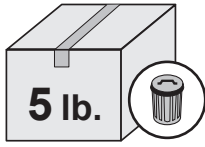
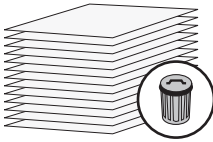
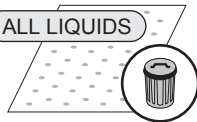
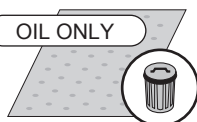


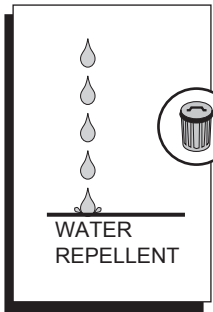
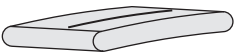
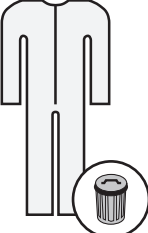


### CLEANING TOOLS & VACUUM CLEANER BAGS

 No.	Reference No.	Description
S400	Service-Saw	"Service-Saw" boiler scale cleaning tool, tempered steel saw blade, plastic handle
S402	-	"SOOT SABER" Heavy Duty (rigid) boiler cleaning tool, zinc coated steel, wood handle
S405	-	"SOOT SABER" Flexible boiler cleaning tool, zinc coated steel, soft vinyl handle
S410	-	"SOOT SNAKE" Flexible steel vacuum cleaner hose, 7/8" dia., 48" long, with installed rubber adapter to fit a standard 1-1/2" rubber vacuum cleaner hose
S412	-	Soot Shovel, 4-1/2" wide, 19-1/2" long, steel with black enamel finish
S450-14	-	Style 4464 (3-1/2 gal.) vacuum cleaner bags. Fits Mastercraft 605, 641, 1100, 6500 and others; Sid Harvey S12. Package of 5 bags
S450-15	-	Style 4465 (5 gal.) vacuum cleaner bags. Fits Mastercraft 652, 653, 880, 990, 1005, 1010, 1015, 1200, 7000, 13008, D6508, D6520, D6530, W6508, W6509, W6510, 6513, and others; Sid Harvey S14. Package of 5 bags



# Safety and Spill Cleanup Supplies

CLOTH	NITRILE		MASKS	GLASSES
 <p><b>No. S500</b> PAIR Brown jersey gloves man's hand size</p>	 <p><b>No. S500-4</b> BOX OF 100 Disposable oil resistant nitrile gloves, LARGE</p>	 <p><b>No. S500-6</b> BOX OF 100 Disposable oil resistant nitrile gloves, X-LARGE</p>	 <p><b>No. S500-10</b> EACH Disposable dust mask, elastic strap, not rated</p>	 <p><b>No. S500-14</b> EACH Adjustable Plastic safety glasses, clear lenses</p>
 <p><b>No. S500-2</b> PAIR White cotton gloves man's hand size</p>	 <p><b>No. S500-8*</b> PAIR Reusable heavy duty oil resistant nitrile gloves, man's hand size</p>	 <p><b>No. S500-12</b> EACH Disposable dust mask, elastic strap, N95 rated</p>	 <p><b>No. S500-16</b> EACH Adjustable Plastic safety glasses, smoked lenses</p>	
GOGGLES	SHOE COVERS	BAGS	RAGS	WIPES
 <p><b>No. S500-18*</b> EACH Plastic splash goggles, elastic strap</p>	 <p><b>No. S500-20</b> PAIR Disposable non-woven fabric slip-on shoe covers</p>	 <p><b>No. S500-22*</b> PACKAGE OF 20 7 bu. plastic (3 mil.) contractor disposal bags</p>	 <p><b>No. S500-24</b> 5 lb. BOX Rags (polo shirt material) mixed colors</p>	 <p><b>No. S500-26</b> PACKAGE OF 100 Flat paper wipes, 13" x 13"</p>
PADS	SOCKS	DROP CLOTH	SPILL KIT	COVERALLS
<p>ALL LIQUIDS</p>  <p><b>No. S500-28*</b> PACKAGE OF 100 Absorbent pads 17" x 18" x 1/8" thick</p> <p>OIL ONLY</p>  <p><b>No. S500-30*</b> PACKAGE OF 100 Absorbent pads 16-1/2" x 19-1/2" x 3/16" thick</p>	<p>ALL LIQUIDS</p>  <p><b>No. S500-32*</b> PACKAGE OF 40 Absorbent socks 3" dia. x 48" long</p> <p>OIL ONLY</p>  <p><b>No. S500-34*</b> PACKAGE OF 40 Absorbent socks 3" dia. x 48" long</p>	<p>5' x 8' (Approximately)</p>  <p><b>No. S500-36</b> EACH Large non-woven fabric drop cloth, water repellent</p>	 <p><b>Spill Kit in Heavy Duty Zippered Carrying Bag</b></p> <p>Contains:</p> <ul style="list-style-type: none"> <li>1 - splash goggles</li> <li>1 - pr. nitrile reusable gloves</li> <li>2 - contractor bags</li> <li>1 - All liquid absorbent sock</li> <li>1 - Oil only absorbent sock</li> <li>5 - All liquid absorbent pads</li> <li>5 - Oil only absorbent pads</li> <li>1 - Heavy duty clear plastic zippered carrying bag</li> </ul> <p><b>No. S500-38</b> EACH Economy Spill Kit in zippered carrying bag</p>	 <p><b>Full Body Coverall</b> Disposable, white non-woven fabric</p> <p><b>No. S500-50</b> LARGE</p> <p><b>No. S500-60</b> X - LARGE</p>

\* Part of the S500-38 Economy Spill Kit (see listing above for quantities of each included in the kit).