

Assembly Numbers

OXY-THERM® LE Burners

Configured Item Number: OT LE

Segment choices for configured item number OT LE

Segment name	Segment description	Segment choices (DEFAULT is shaded)	Segment choice description
SERIES	Choice of burner series	12	1200 Series
		6	600 Series
		9	900 Series
FUEL	Choice of fuel	G	Gas
		O	Oil

Segment choices for configured item number OT LE 600/900/1200 GAS

Segment name	Segment description	Segment choices (DEFAULT is shaded)	Segment choice description
BURNER MAX CAPACITY MMBTU/HR	Maximum capacity in MMBtu/hr (varies by burner size)	1.0	Maximum capacity for Series 600
		6.0	Maximum capacity for Series 900
		10.0	Maximum capacity for Series 1200
FUEL	Choice of fuel	N	Natural gas
		O	Other gas (see Engrg)
		P	Propane gas
BLOCK MATERIAL	Choice of block material	A	Alumina/zirconia/silica
		Z	Zirconia
PILOT	Choice of pilot	N	No pilot chosen
		O	Oxy-fuel pilot chosen
FUEL NET HEAT VALUE (BTU/CF)	Heat value per cubic foot	1000	Enter value
NOZZLE VELOCITY (FPS)	Required velocity	400	Enter value

Segment choices for configured item number OT LE 600 GAS NZL

Segment name	Segment description	Segment choices (DEFAULT is shaded)	Segment choice description
ORIFICE SIZE	Choice of nozzle orifice size for Series 600	125	X = .125"
		159	X = .159"
		228	X = .228"
		234	X = .234"
		257	X = .257"
		277	X = .277"
		312	X = .312"
		323	X = .323"
		332	X = .332"
		348	X = .348"
		368	X = .368"
		375	X = .375"
		377	X = .377"

Segment choices for configured item number OT LE 900 GAS NZL

Segment name	Segment description	Segment choices (DEFAULT is shaded)	Segment choice description
ORIFICE SIZE	Choice of nozzle orifice size for Series 900	154	X = .154"
		169	X = .169"
		323	X = .323"
		377	X = .377"
		406	X = .406"
		438	X = .438"
		453	X = .453"
		484	X = .484"
		500	X = .500"
		516	X = .516"
		562	X = .562"
		578	X = .578"
		580	X = .580"
		609	X = .609"
		618	X = .618"
		625	X = .625"
		678	X = .678"
		700	X = .700"
		750	X = .750"
		797	X = .797"

Segment choices for configured item number OT LE 1200 GAS NZL

Segment name	Segment description	Segment choices (DEFAULT is shaded)	Segment choice description
ORIFICE SIZE	Choice of nozzle orifice size for Series 1200	656	X = .656"
		719	X = .719"
		875	X = .875"
		938	X = .938"
		969	X = .969"
		1000	X = 1.00"

Segment choices for configured item number OT LE 600/900/1200 OIL

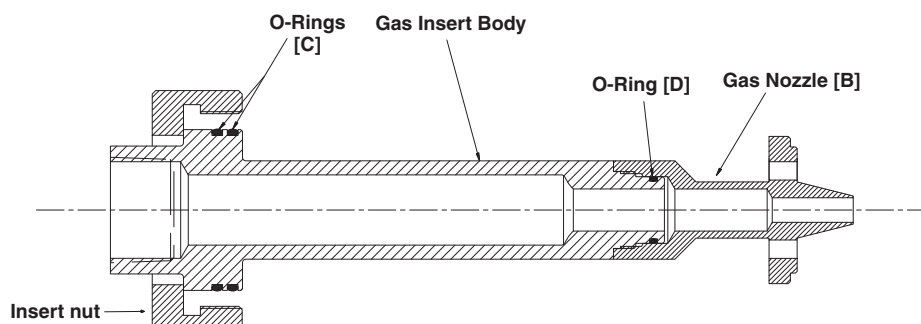
Segment name	Segment description	Segment choices (DEFAULT is shaded)	Segment choice description
BURNER SIZE	Choice of burner size	07	607/907 Series [1]
		10	910 Series
		15	915 Series
		20	920 Series
		30	930/1230 Series (DEFAULT for 1200 Series) [1]
		40	1240 Series [1]
FUEL	Type of oil	2	#2 fuel oil
		6	Preheated #6 fuel oil
BLOCK MATERIAL	Choice of block material	A	Alumina/zirconia/silica
		Z	Zirconia
PILOT	Choice of pilot	N	No pilot chosen
		O	Oxy pilot without UV location
		U	Oxy pilot with UV location
FUEL HEATING VALUE (BTU/GAL)	Heat value per gallon	145000	Enter value

[1] For 600 Series, 07 is the only choice. For 1200 Series, 30 and 40 are the only choices

Replacement parts

OXY-THERM® LE burner type		Series 600		Series 900		Series 1200	
Fuel service		Gas	Oil	Gas	Oil	Gas	Oil
Block & frame (no pilot)	AZS	44336		44000		44376	
	Zirconia	44337		44001		44377	
Block & frame (with pilot provision)	AZS	45506		45508		45510	
	Zirconia	45507		45509		45511	
Body gasket		44318		43873			
Nozzle body insert		43783		43297		43463	
Housing hex nuts		43874 (qty. 12)					
Krytox grease (2 oz.)		46573					
Oxy pilot		1079805					
Oxy pilot with UV provision		---	1052871	---	1052871	---	1052871

Gas insert assembly

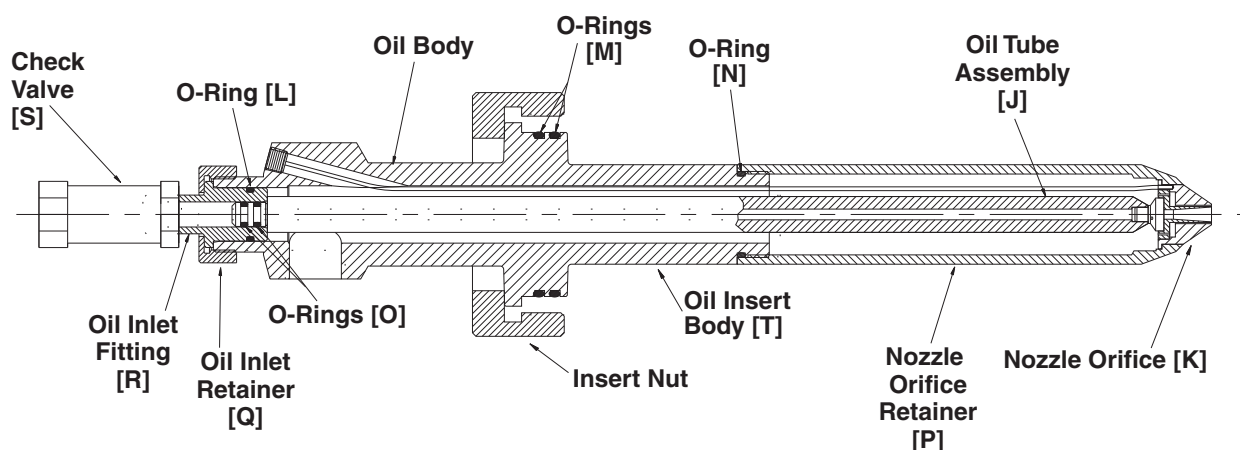


OXY-THERM® LE gas burner model		Series 600	Series 900	Series 1200
A	Gas insert assembly (qty. 1)	600 OT LE REPL [1]	900 OT LE REPL [1]	1200 OT LE REPL [1]
---	Nozzle body insert (qty. 1)	43783	43297	43463
B	Gas nozzle (qty. 1)	600 OT LE REPL [1] [2]	900 OT LE REPL [1] [2]	1200 OT LE REPL [1] [2]
C	O-ring Viton (qty. 2)	38386 [2]	30455 [2]	30455 [2]
D	O-ring Viton (qty. 1)	26471 [2]	32984 [2]	32984 [2]

[1] Maxon original sales order number required

[2] Gas nozzle and o-rings included on gas insert assembly

Oil insert sub-assembly



OXY-THERM® LE oil burner model		607	907	910	915	920	930	1230	1240
---	Oil insert (inlet body) sub-assembly	44333	44080	44081	44082	44083	44084	44084	44334
---	Nozzle body insert	43783	43297	43297	43297	43297	43463	43463	43463
---	Insert nut	43290							
J	Oil tube assembly	44331	44075	44076	44077	44078	44079	44079	44332
K	Oil cap (nozzle orifice)	---	43298	43945	43353	43354	43355	43355	43459
L	O-ring Viton [1]	32983 (qty. 1)							
M	O-ring Viton [1]	38386 (qty. 2)	30455 (qty. 2)						
N	O-ring Viton [1]	32982 (qty. 1)	47776 (qty. 1)						
O	O-ring Viton [1] [2]	43359 (qty. 2)							
P	Orifice retainer	43656	44068						
Q	Oil inlet retainer	43294	43294						
R	Oil inlet fitting	43295	43295						
S	Check valve	43381	43381						
T	Oil insert body	44350	43296						

[1] O-rings included in oil insert sub-assembly

[2] O-rings included in oil tube sub-assembly

Assembly numbers for OXY-THERM® LE EX burners

Gas OXY-THERM® LE EX burners

Description		Assembly number
Series 600	OXY-THERM® LE EX gas burners with AZS block	57805
Series 900	OXY-THERM® LE EX gas burners with AZS block	57807

Oil OXY-THERM® LE EX burners

Description		Assembly number
Series 607	OXY-THERM® LE EX oil burners with AZS block	1112127
Series 907	OXY-THERM® LE EX oil burners with AZS block	1112128
Series 910	OXY-THERM® LE EX oil burners with AZS block	1112129
Series 915	OXY-THERM® LE EX oil burners with AZS block	1112130
Series 920	OXY-THERM® LE EX oil burners with AZS block	1112131
Series 930	OXY-THERM® LE EX oil burners with AZS block	1112132

Replacement parts for OXY-THERM® LE EX burners

OXY-THERM® LE EX burner series	Series 600		Series 900	
Fuel service	Gas	Oil	Gas	Oil
Block & frame	57770	---	57771	---
Orifice plate	57739		57740	
Body gasket	44318		43873	
Housing hex nuts	43874 (qty. of 12 required)			
Krytox grease (2 oz.)	46573			

OXY-THERM® LE EX gas burner model	Series 600	Series 900
Gas insert assembly [1]	57775	57776
Gas nozzle [1]	57745	57746
Gas nozzle extension	57996	57997
O-ring Viton [2]	38386 (qty. 2)	30455 (qty. 2)
O-ring Viton [2]	26471 (qty. 2)	32984 (qty. 2)

[1] Maxon original sales order number required

[2] O-rings included on gas insert sub-assembly

OXY-THERM® LE EX oil burner model	607	907	910	915	920	930
Oil insert (inlet body) sub-assembly	58174	58175	58176	58177	58178	58179
Oil tube assembly	58201	58202	58203	58204	58205	58206
Oil cap (nozzle orifice)	---	43298	43945	43353	43354	43355
O-ring Viton [1]	32982 (qty. 2)	47776 (qty. 2)				
O-ring Viton [1]	38386 (qty. 2)	30455 (qty. 2)				
O-ring Viton [1] [2]	43359 (qty. 2)					
O-ring Viton [1] [2]	32983 (qty. 1)					
Orifice retainer	43656	44068				
Oil inlet retainer	43294	43294				
Oil inlet fitting	43295	43295				
Check valve	43381	43381				
Oil insert body	44350	43296				
Oil nozzle extension	58128	58127				

[1] O-rings included in oil insert sub-assembly

[2] O-rings included in oil tube sub-assembly