



(5-1025) kg/h



High Technology

High Performans

LIGHT OIL BURNERS

ECOSTAR LIGHT OIL BURNERS

Since 1964, of dynamism and experience of TERMO ISI A.Ş., The company has developed professional combustion systems and components and associated servicing.

Advanced Technology

Over the years we have specialized in the production of burners for high power technical systems developing advanced solutions suited to different technological Heating needs.

Best Combustion Solutions

ECOSTAR Light Oil Burners, Provides best combustion solutions. Using high technology Burner fans, will help using for an increasingly wider range of applications.





Unique Design

ECOSTAR Light Oil Burners designed with latest technology, special light aluminum alloy fan body, creating heating unit which are extremely reliable which offer easy access to every single component an important factor when it comes to repairing, cleaning, checking or servicing the burners.

High Efficiency

Ecostar Light Oil Burners, using the good quality components, gives the best combustion values for efficiency. Our policy has been directed to the protection of the environment, a philosophy quite a head of its time; The outstanding results we have obtained in connection with the reliability of our products and extremely high full performance levels reached.

EMMISSION VALUES

Ecostar Light Oil Burners, are produced with DIN 4787 and TS-prEN 267, TS-EN 230 standards so the results is optimum combustion with extremely low emmission.

$\lambda = 1,2 - 1,3$

CO < 125 mg/kWh

NOx < 250 mg/kWh

NOISE LEVEL

Ecostar oil burners, research and devolopment center designed special air intake system so the burners are working with low noise level, you do not hear anything in the boiler room.

HEATING IS OUR JOB



Oil Valves

We designed the oil valves in such a way that when it's open, it provides the oil to the nozzle sudden entrance and when it's close it stops suddenly, so there will not be any drop of oil.



Control Pannel

You can easily detect the trouble by installed indication lamps on the control box.



Air Actuator

High technological kalppe designs allows to move all the air klappe equivally that creates the best consumption in the boiler.



Pump

In order to Atomise the oil, It pressurize the oil up to 18-25 bar. It's controlled by coupling that is connected to the fan motor.

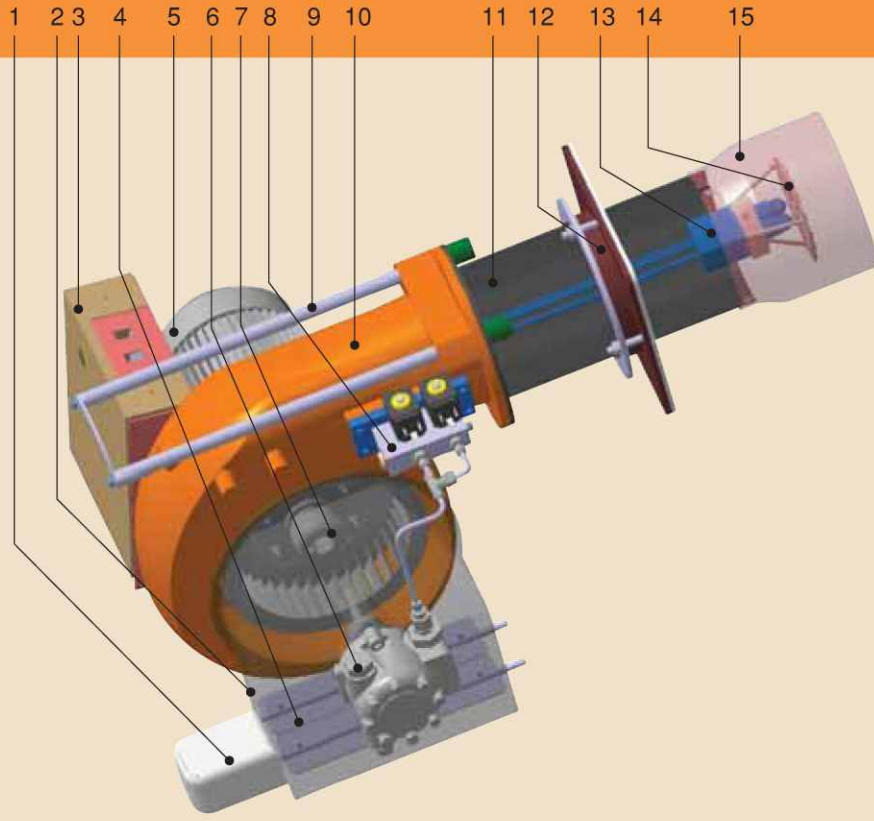


Moving Rod System

This system helps to service the burner quick and easy.

Moving Flange

The burner can be easily adapted to the boiler with moving flange.



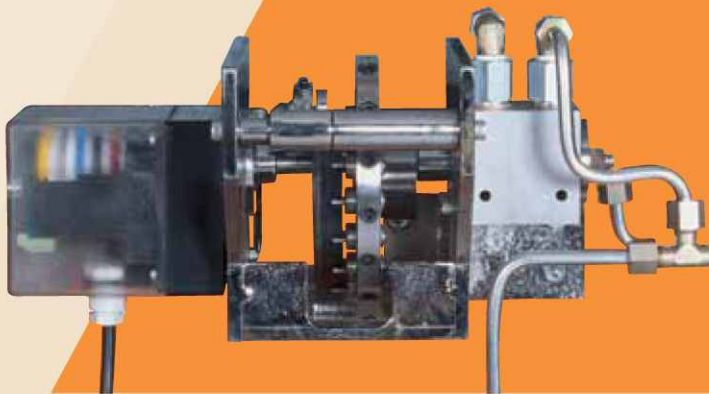
1. SERVOMOTOR / Air actuator
2. HAVA KAFESİ / Air intake
3. ELEKTRİK PANOSU / Control panel
4. HAVA KLAPESİ / Air klappe
5. ELEKTRİK MOTORU / Motor
6. YAKIT POMPASI / Oil pump
7. FAN / Fan
8. YAKIT VALFİ / Oil solenoid valve

9. ASKI MİLİ / Sliding pins
10. GÖVDE / Body
11. ALEV BORUSU / Flame tube
12. KAZAN BAĞLANTI FLANŞI / Boiler flange
13. SIVI YAKIT LANSI / Oil gun
14. TÜRBÜLATÖR / Diffuser
15. ALEV BORUSU UZATMASI / Extension of flame tube

ECOSTAR

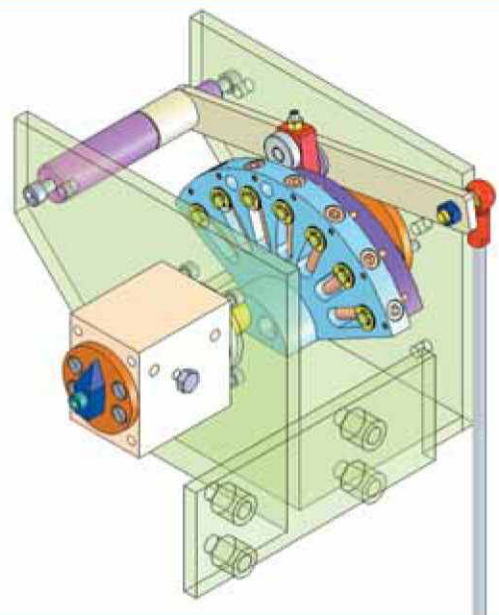
(TYPE DESCRIPTION)

(Company Symbol)	ECO	ECOSTAR
(Model)	2, 4, 45, 5, 60 65, 70, 75, 8, 9	Construction Size
(Fuel Type)	L	Light Oil Burner
(Motor Speed)	C	2800 d/d (Rev/Min)
(Stage)	1, 2, 3	1- (One Stage)
		2- (Two Stage)
		3- (Modulating)
(Capacity)	a, b	Capacity Range

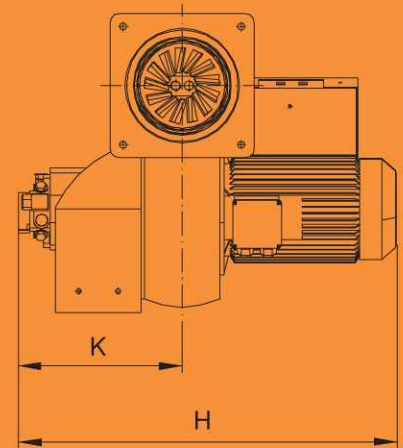
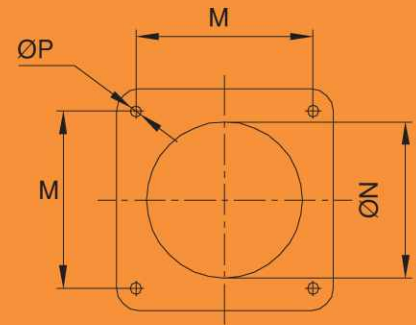
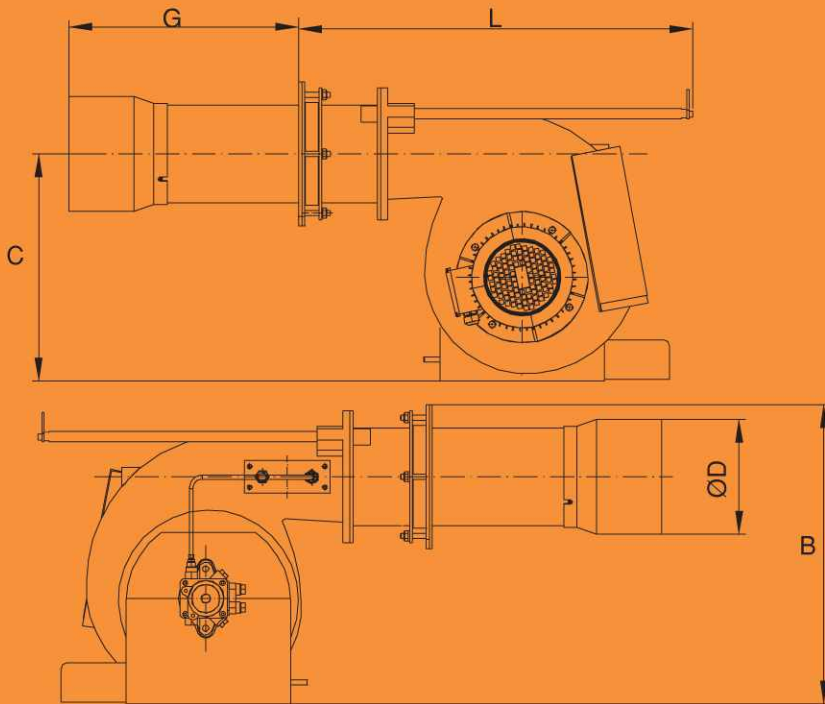


Special designed hydrolik nozzle oil otomisation gun and modulating air and oil adjusting units, provides high turn down ratio for burners. So this gives costumer to have best combustion in min. capacity.

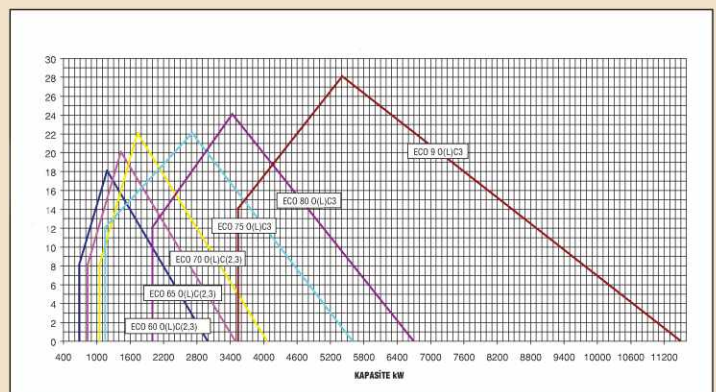
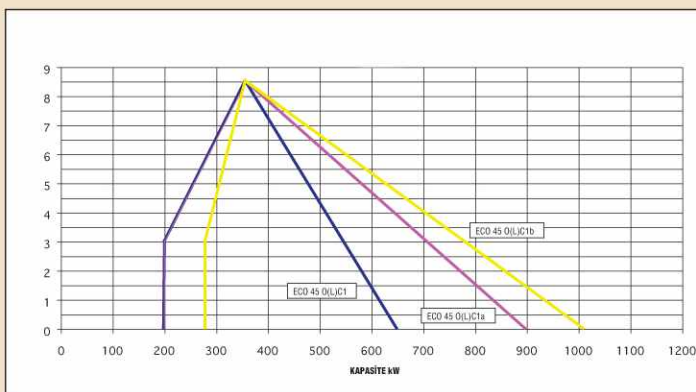
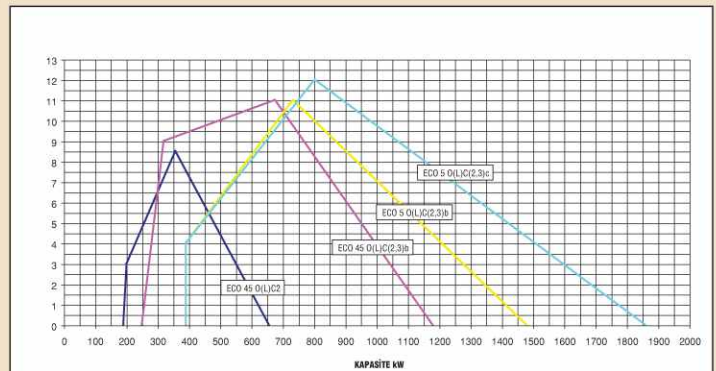
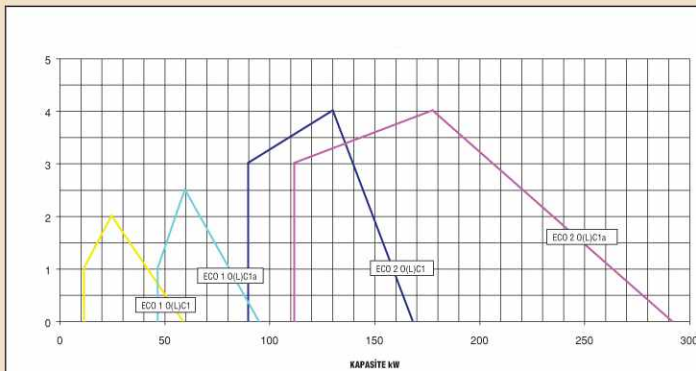
This valve is special designed by ECOSTAR, regulation valve gives best ratio of oil and air by adjusting the returned oil. This will change the capacity of oil in the nozzle. It will prodives best atomisation and combustion values by adjusting air cams and oil valves.



BURNER DIMENSIONS



	L	Gmin	Gmax	H	K	B	C	ØN	ØP	M	ØD
ECO 1 - O(L)	260	50	220	350	170	260	190	85	9	110	84
ECO 2 - O(L)	525	106	260	495	210	320	230	120	10	142	134
ECO 45 - O(L)	625	150	350	585	275	455	345	149	11	180	174
ECO 5 - O(L)	695	200	500	630	335	500	355	208	16	230	236
ECO 60 - O(L)	1025	200	275	955	415	670	505	240	18	275	240
ECO 65 - O(L)	1115	200	465	965	425	670	505	250	18	275	280
ECO 70 - O(L)	1115	200	465	965	425	670	505	250	18	275	280
ECO 75 - O(L)	1200	200	375	970	355	720	525	300	22	335	300
ECO 8 - O(L)	1095	305	305	1020	530	900	640	300	23	360	338
ECO 9 - O(L)	1500	350	350	1290	610	1100	826	560	23	630	492



CAPACITY DIAGRAMS

(ONE STAGE LIGHT OIL BURNERS)

BURNER TYPE	CAPACITY				LIGHT OIL COMSUMPTION		FAN MOTOR POWER	OIL PUMP POWER	MAIN SUPPLY	WEIGHT
	Kcal/h	Kcal/h	kW	kW	Nm ³ /h	Nm ³ /h	kW	kW	V	Kg
ECO 1 O (L) C 1	9,650	48,250	11	56	1	5	0.15	-	220	10
ECO 1 O (L) C 1a	38,600	77,200	45	90	4	8	0.15	-	220	10
ECO 2 O (L) C 1	77,200	144,750	90	168	8	15	0.37	-	220/380	24
ECO 2 O (L) C 1a	96,500	250,900	112	292	10	26	0.37	-	220/380	24
ECO 45 O (L) C 1	173,700	559,700	202	651	18	58	1.10	-	220/380	40
ECO 45 O (L) C 1a	173,700	772,000	202	898	18	80	1.50	-	220/380	40
ECO 45 O (L) C 1b	241,250	868,500	281	1,010	25	90	1.50	-	220/380	40

(TWO STAGE LIGHT OIL BURNERS)

BURNER TYPE	CAPACITY				LIGHT OIL COMSUMPTION		FAN MOTOR POWER	OIL PUMP POWER	MAIN SUPPLY	WEIGHT
	Kcal/h	Kcal/h	kW	kW	Nm ³ /h	Nm ³ /h	kW	kW	V	Kg
ECO 45 O (L) C 2	173,700	559,700	202	651	18	58	1.10	-	220/380	40
ECO 45 O (L) C 2a	212,300	1,013,250	247	1,178	22	105	1.50	-	220/380	40
ECO 5 O (L) C 2 b	337,750	1,273,800	393	1,481	35	132	2.20	-	220/380	90
ECO 5 O (L) C 2 c	337,750	1,601,900	393	1,863	35	166	2.20	-	220/380	90
ECO 60 O (L) C 2	598,300	2,576,550	696	2,996	62	267	4.00	1.10	220-380	190
ECO 65 O (L) C 2	733,400	3,010,800	853	3,501	76	312	5.50	1.10	220-380	200
ECO 70 O (L) C 2	916,750	3,502,950	1,066	4,073	95	363	7.50	2.20	220-380	200

(THREE STAGE LIGHT OIL BURNERS)

BURNER TYPE	CAPACITY				LIGHT OIL COMSUMPTION		FAN MOTOR POWER	OIL PUMP POWER	MAIN SUPPLY	WEIGHT
	Kcal/h	Kcal/h	kW	kW	Nm ³ /h	Nm ³ /h	kW	kW	V	Kg
ECO 75 O (L) C 3T	1,000,000	4,825,000	1,163	5,610	104	500	11	2.2	220-380	250

(MODULATING LIGHT OIL BURNERS)

BURNER TYPE	CAPACITY				LIGHT OIL COMSUMPTION		FAN MOTOR POWER	OIL PUMP POWER	MAIN SUPPLY	WEIGHT
	Kcal/h	Kcal/h	kW	kW	Nm ³ /h	Nm ³ /h	kW	kW	V	Kg
ECO 45 O (L) C3 b	212,300	1,013,250	247	1,180	22	105	1.50	-	220-380	40
ECO 5 O (L) C 3 b	337,750	1,273,800	393	1,481	35	132	2.20	-	220/380	90
ECO 5 O (L) C 3 c	337,750	1,599,970	393	1,860	35	166	2.20	-	220/380	90
ECO 60 O (L) C 3	598,300	2,576,550	696	2,996	62	267	4.00	1.10	220-380	190
ECO 65 O (L) C 3	733,400	3,010,800	853	3,501	76	312	5.50	1.10	220-380	200
ECO 70 O (L) C 3	916,750	3,502,950	1,066	4,073	95	363	7.50	2.20	220-380	200
ECO 75 O (L) C 3	1,003,600	4,825,000	1,167	5,610	104	500	11.00	2.20	220-380	250
ECO 8 O (L) C 3	1,609,920	5,301,900	1,872	6,165	167	550	15.00	3.00	220-380	300
ECO 8 O (L) C 3a	1,762,140	5,762,000	2,049	6,700	183	600	15.00	3.00	220-380	300
ECO 9 O (L) C 3	3,059,880	9,890,000	3,558	11,500	317	1,025	22.00	4.00	220-380	500



Authorised Dealers in India:



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