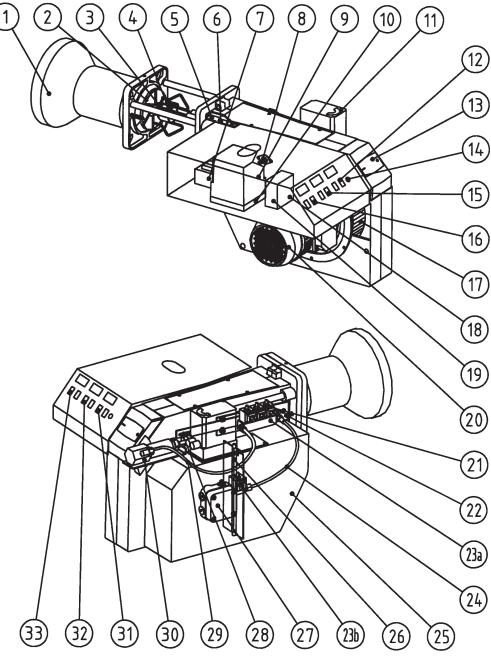


Installation- and maintenance instruction **B 80 - 2/3**



ComponentS



- 1. Flame cone
- 2. Shrouded disc
- 3. Nozzle
- 4. Nozzle assembly
- 5. Ignition electrodes
- 6. Ignition cable
- 7. Ignition transformer
- 8. Photocell

Warning

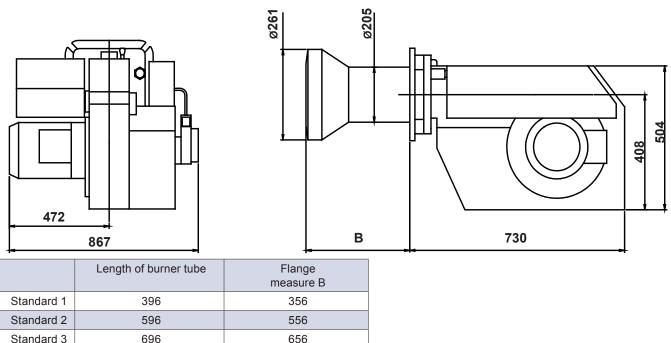
- 9. Control box
- 10. Relay base
- 11. Damper motor
- 12. Indicating lamp Stage 3
- 13. Cover, inspection glass

- 14. Fuse
- 15. Indicating lamp Stage 2
- 16. Indicating lamp Stage 1
- 17. Fan wheel
- 18. Contactor
- 19. Thermal overload protection
- 20. Motor
- 21. Solenoid valve
- 22. Locking device, flange
- 23a.Solenoid valve bloc
- 23b.Safety solenoid valve
- 24. Connecting pipe, pump-nozzle assembly

- 25. Air intake
- 26. Air damper
- 27. Pump
- 28. Nozzle assembly adjustment
- 29. Connecting pipe, adjustment device
- 30. Adjustment device, Nozzle assembly adjustment
- 31. Switch II-III
- 32. Switch I-II
- 33. Switch 0-I



Type designation B 80 **Dimensions**



1.2 Output range and nozzles recommended

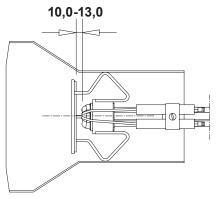
Oil capacity	Output			Recomme Nozzl		Recommended Pump pressure	
	kg/h	kW	Mcal/h	Angle	Danfoss		
Burner head	50-214 593-2538 510-2182			45°-60°	В	14 bar	

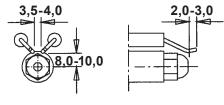
The net calorific value of 11,86 kWh/kg for light oil has been used.

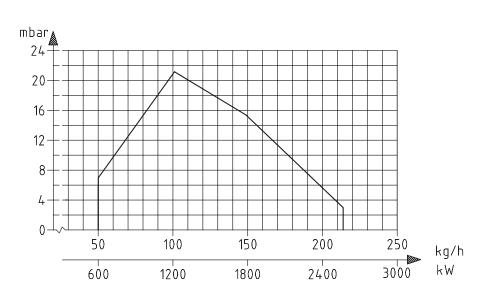
Recommended nozzle

Because of different boiler types existing on the market, with varying combustion chamber designs, it is not possible to state a definite spray angle or spray pattern. Note that the spray angle and the spray pattern change with the pump pressure.

Burner head



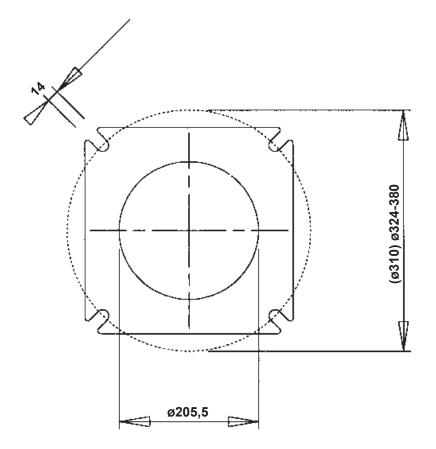




1.3 Burner Specification

Туре	Motor	The recommen- ded main fuse moto	Control power	Sound
B 80	230/400V, 50Hz, 20,5/12,0A, 5,5kW, 2950 Rpm	D20A	230V1F~2,5A	89 dBA ± 0,5 dBA

Dimensions of flange



General rules

The installation of an oil burner should be carried out in accordance with local regulations. The installer of the burner must therefore be aware of all regulations relating to oil and combustion. Only oil suitable for the burner should be used and then in combination with a suitable oil filter before the oil pump of the burner.

If the burner is replacing an existing burner make sure that the oil filter is replaced or cleaned. The installation must only be undertaken by experienced personnel. Care should be taken by the installer to ensure that no electrical cables or fuel/gas pipes are trapped or damaged during installation or service/maintenance.

Installation instructions

General installation instructions accompany the burner and should be left in a prominent place adjacent to the burner.

Adjustment of burner

The burner is from the factory pre-set to an average value that must then be adjusted to the boiler in question. All burner adjustments must be made in accordance with the boiler manufacturer's instructions. These must include the checking of flue gas temperatures, average water temperature and CO₂ or O₂ concentration. To adjust the combustion device, start by increasing the air volume and the nozzle assembly somewhat. When the burner starts it is burning with excess air and smoke number 0. Reduce the nozzle assembly adjustment until soot occurs, and then increase the adjustment to make the soot disappear again. Then the volume of air is reduced until soot occurs and increased again to reach a combustion free of soot.

By this procedure an optimum adjustment is obtained. If larger nozzles are used the preadjustment of both the air volume and the nozzle assembly must be increased.

A whistling sound may be heard which can be eliminated or reduced as follows: Increase the nozzle assembly adjustment somewhat. The CO_2 -content and consequently the air volume will then be reduced.

Condensation in chimney

A modern burner works with less excess air and often also with smaller nozzles than older models. This increases the efficiency but also the risk of condensation in the chimney. The risk increases if the area of the chimney flue is too large. The temperature of the flue gases should exceed 60°C measured 0,5 metres from the chimney top.

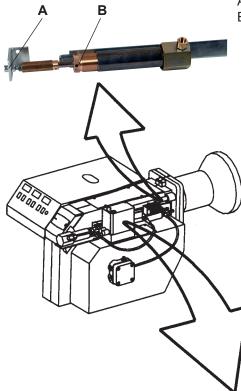
Measures to raise the temperature:

- Insulate the chimney in cold attics
- Install a tube in the chimney
- Install a draught regulator (dilutes the flue gases during operation and dries them up during standstill)
- Increase the oil quantity
- Raise the flue gas temperature by removing turbulators, if any, in the boiler.

Pump adjustment

See separate description

Adjustment of nozzle assembly



Air adjustment

See page "Air adjustment with damper motor".

Maintenance

The boiler/burner should be examined regularly for any signs of malfunction or oil leakage.

Oil supply

The oil line should be dimensioned in accordance with the pump manufacturer's instruction. In the suction line to the burner a filter should be mounted to prevent any particles in the oil from reaching the burner. If the installation consists of several burners each one should have its own suction line from the tank or a circulation system should be used.

The temperature in the oil line should be kept as constant as possible. Avoid exposing the line to excessive cold which may cause blockages of paraffin deposits.

The oil pipe and electric cable should be fitted so that the burner can be placed on the floor for inspection of the combustion device.

Adjustment of nozzle assembly

- A Adjustment Stage 1 and Stage 2.
- B Adjustment Stage 3.



The damper motor turns the damper between 3 preset positions: These positions are controlled in the motor by cams which are set by means of the coloured disks. In addition there is a black disk controlling the connection of solenoid valve 2 and a green disc controlling the connection of solenoid valve 3.

If the air volume needs changing: Remove the cover from the damper motor and change the position of the cams by turning them with the tools accompanying the burner.

Stage 1:

Adjust the operating switch to stage 2 (II).

- Reduce the air volume: Turn blue cam towards 0°.
- Increase the air volume: Turn blue cam towards 90°.

Adjust the operating switch back to

Stage 2:

Adjust the operating switch to stage 1 (I).

- * Reduce the air volume:
 - Turn orange cam towards 0°.
- * Increase the air volume:

Turn orange cam towards 90°. Adjust the operating switch back to stage 2 and ensure that the correct air volume has been obtained.

Stage 3:

Adjust the operating switch to stage 2 (II).

- Reduce the air volume: Turn red cam towards 0°.
- * Increase the air volume: Turn red cam towards 90°.

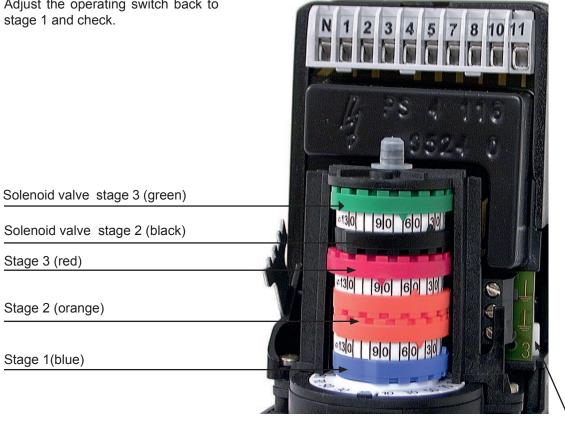
Adjust the operating switch to stage 3 (III) and ensure that the correct air volume has been obtained.

NOTE

On adjustment of stage 2 and stage 3 the black cam (Mv2) must be within the settings of the blue and orange cams and the green cam (Mv3) within the settings of the orange and the red cams.

Releasing button

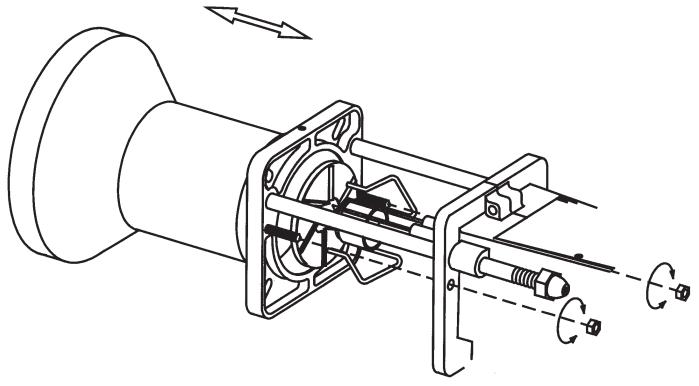
By pressing the button and snapping it down, the motor will be released and the damper can easily be turned. This function facilitates an exchange of damper motor.



Releasing button N.B. The upper position is the standard position

Warning: Before doing any service switch off power at the main switch and cut off the oil supply.

Service of burner head

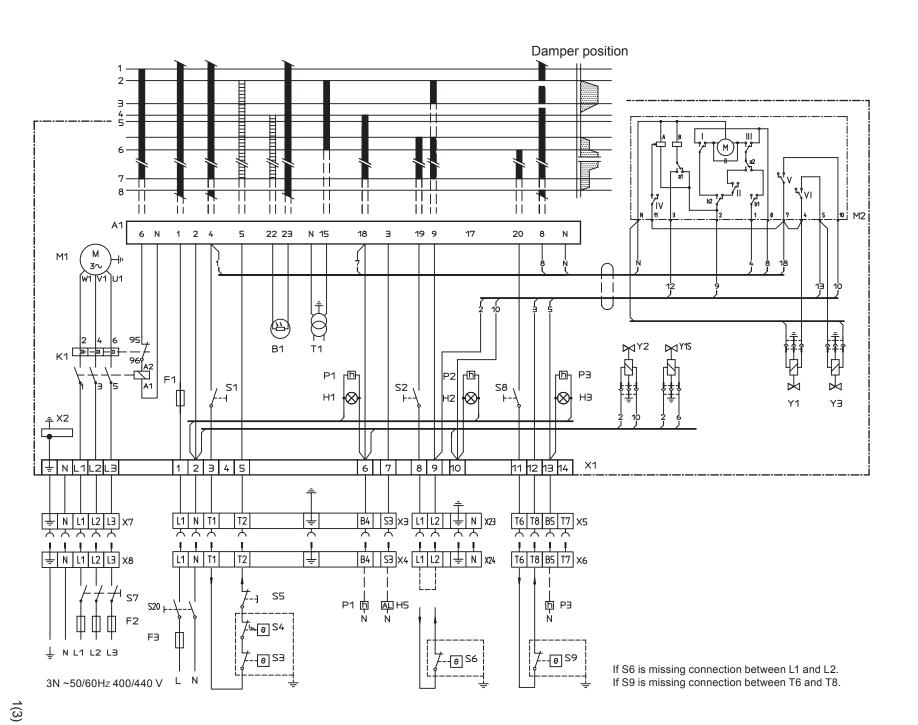


NOTE!

For maintenance of the brake plate, nozzles, electrodes etc, when using a long design of the burner tube, you have to **remove the nozzle assembly from the connecting pipe and move the assembly backwards** in the fan housing (from the boiler).

Oil burner control: LAL1... Wiring diagram

ELECTRIC EQUIPMENT



Oil burner control: LAL1...

List of components

- A1 Oil burner control
- B1 Photoresistor
- F1 Operating fuse
- F2 Fuse
- F3 Fuse
- H1 Lamp, Stage 1
- H2 Lamp, Stage 2
- H3 Lamp, Stage 3
- K1 Thermal overload protection
- M1 Burner motor
- M2 Damper motor L&S SQN75.436A21B
- P1 Time meter, Stage 1
- P2 Time meter, Stage 2
- P3 Time meter, Stage 3
- S1 Operating switch
- S2 Operating switch, Stage 2
- S3 Control thermostat
- S4 Temperature limiter
- S5 Micro switch for hinged door

Max loading K1 Connection A1,A2 / 95, 96 / 97, 98 Max 0,2A/15W S6 Control thermostat, Stage 2

- S7 Main switch
- S8 Operating switch, Stage 3
- S9 Control thermostat, Stage 3
- S20 Main switch
- T1 Ignition transformer
- X1 Connection terminal board
- X2 Earth terminal
- X3 Plug-in contact "Euro", burner
- X4 Plug-in contact "Euro", boiler
- X5 Plug-in contact "Euro", stage 3 burner
- X6 Plug-in contact "Euro", stage 3 boiler
- X7 Plug-in contact "Euro" 3-phase, burner
- X8 Plug-in contact "Euro", 3-phase, boiler
- X9 Plug-in contact "Euro", stage 2 burner
- X10 Plug-in contact "Euro", stage 2 boiler
- Y1 Solenoid valve 1
- Y2 Solenoid valve 2
- Y3 Solenoid valve 3
- Y1S Safety solenoid valve

(Standard on burners with an output \geq 100 kg/h) (Option on burners with an output < 100 kg/h) Mains connection and fuse in accordance with local regulations.

Function

- 1. Operating switch ON, Twin thermostat ON, Air damper closed The burner motor starts.
- 2. Ignition spark is formed

Ignition spark is formed. Air damper motor opens the damper to stage 3. **Air damper motor closes**

- The air damper motor closes to stage 1.
- 4. Solenoid valve 1 opens The oil mist is ignited. The photoresistor indicates a flame.
- The safety time expires

 a. If there is no flame established before this time limit, the burner control locks out.
 - b. If the flame for some reason disappears **after** this time limit, the burner control also locks out. If a repetition of the start-up sequence is desired, the wire link marked "Repetition" on the side of the base plate of the control must be removed.
- 6. Thermostat and switch Stage 2 ON The burner can now change over to stage 2.
- 7. Thermostat and switch Stage 3 ON

The burner can now change over to stage 3.

8-9. Operating position

The burner can now change between stage 1, 2 and 3. The burner operation is interrupted by means of the operating switch or the thermostat.

The control locks out

A red lamp in the control is lit. Move the transparent cover aside and restart the burner by pressing the reset button.

Note! In the window of the control symbols appear showing in which position the control locks out , **see Control programme under fault conditions and lock-out indication.**

Oil burner control: LAL1...

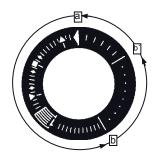
Control programme under fault conditions and lock-out indication

In the event of fault conditions the sequence switch stops and simultaneosly the lock-out indicator. The symbol appearing above the reading mark indicates kind of fault:

- No start, because e.g., the CLOSE signal has not been supplied to terminal 8 by the limit switch, or a contact has not been closed between terminals 4 and 5.
- ▲ Shut-down of start-up sequence, because the OPEN signal has not been supplied to terminal 8 by the limit switch. Terminals 6, 7 and 15 remain under voltage until the fault is corrected.
- Lock-out due to a fault in the supervision circuit.
 Shut-down of start-up sequence, because the position signal for the low-flame position has not been supplied to terminal 8 by the auxiliary switch. Terminals 6, 7 and 15 remain under voltage until the fault is corrected.
- 1 **Lock-out**, because no flame signal has been received on completion of the saftey time.
- **Lock-out**, because the flame signal has been lost during burner operation or air pressure failure has occurred.
- Lock-out on completion or after completion of control programme sequence

due to extraneous light (e.g. flame not extiguished, leaking fuel valves) or due to a faulty flame signal (e.g. fault in flame supervision circuit or similar).

- a b Start-up sequence
- b b' "idle steps" up to the self shut-down of the sequence switch
- b (b') a Post-purge sequence



Technical data	
Pre-ignition time:	From start
Pre-purge time with full air volume:	22 s
Safety time:	5 s
Post-ignition time:	15 s
Interval between Mv1 and Mv2:	7,5 s
Reset after lock-out:	Immediately
Time of re-start:	47 s
Ambient temperature:	- 20 to + 60°C
Min. required current at 220 V and	95/105 μ A
Max. current:	160 µ A
Protective standard:	IP4

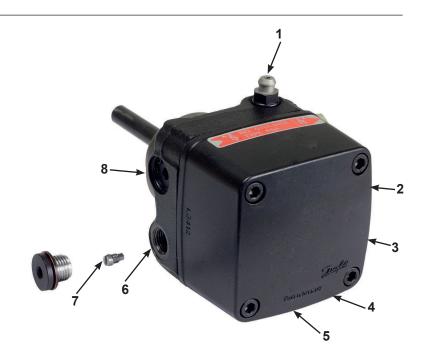
INSTRUCTIONS PUMP TYPE DANFOSS RSA 125

Technical data

Viscosity range:	1,3-18,0 mm²/s
Pressure range:	12,0-21,0 bar
Oil temperature:	-10 to +70°C

Components

- 1. Pressure gauge port G 1/8"
- 2. Nozzle port G 1/8"
- 3. Suction line G 1/4"
- 4. Suction line G 1/4"
- 5. Return line G 1/4"
- 6. Return line R 1/4"
- 7. By-pass plug
- 8. Pressure adjustment, 5 mm allen key



Suction line tables

The suction line tables consist of theoretically calculated values where the pipe dimensions and oil velocity have been matched so that turbulences will not occur. Such turbulences will result in increased pressure losses and in acoustic noise in the pipe system. In addition to drawn copper piping a pipe system usually comprises 4 elbows, a nonreturn valve, a cut-off valve and an external oil filter.

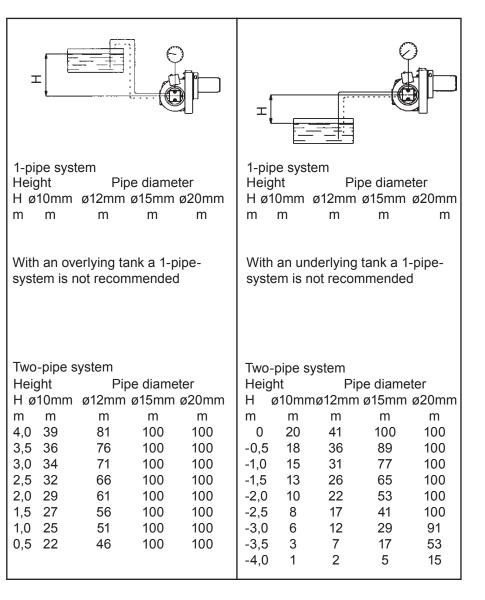
The sum of these individual resistances is so insignificant that they can be disregarded. The tables do not include any lengths exceeding 100 m as experience shows that longer lengths are not needed.

The tables apply to a standard fuel oil of normal commercial quality according to current standards. On commissioning with an empty tube system the oil pump should not be run without oil for more than 5 min. (a condition is that the pump is being lubricated during operation).

The tables state the total suction line length in metres at a viscosity of $6,0 \text{ mm}^2/\text{s}.$

Purging

On 1-pipe systems it is necessary to purge the pump. On 2-pipe systems purging is automatic through the return line.



Function DANFOSS RSA 95 - 125

When the pump is started oil is drawn through the suction port "S" via filter "H" to the suction side of the gearwheel set "C". From here the gearwheel set pumps the oil to the pressure side and at the same time the oil becomes pressurized. The oil is led to cut-off and regulating valve "V" which opens when the set pressure is reached.

The pressure is controlled and kept constant by regulating valve "V". At the same time the gearwheel set "C" distributes the oil through nozzle port "P" and pump return side "R" via the shaft seal "F".

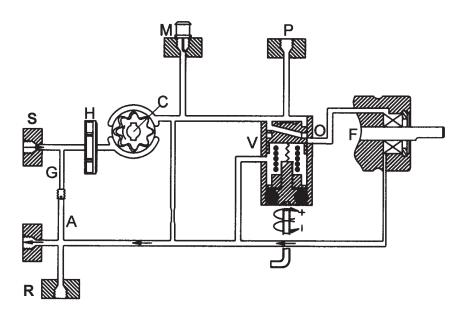
The quantity of oil supplied to nozzle port "P" is determined by the pressure set on regulating valve "V" and the nozzle/resistance in the nozzle line.

In 2-pipe-systems excess oil is led back to the oil tank. In 1-pipe-systems the by-pass plug "A" must be removed to give free flow back to the suction side via return line "G" with return port "R" closed.

When the pump is stopped, the pump output drops and produces a drop in the oil pressure. The spring in the regulating valve presses the

Mounting/dismounting by-pass plug

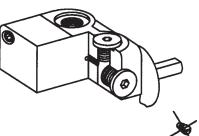
In a 2-pipe-system excess oil is led back direct to the oil tank. In a 1-pipe-system the by-pass plug must be removed so that there is a free passage back to the suction side through the return line with the return port closed.



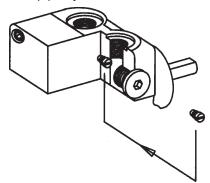
regulating piston forward until it seals in port "P". This cuts off the oil flow to the nozzle and ensures that the nozzle line is effectively shut off. If the pump is overloaded, i.e. more oil is demanded than the gearwheel is able to pump under the given conditions, the oil pressure falls below the set value because the piston of the regulating valve moves towards its closed position and partially or wholly cuts off the return oil via port "O". This can be remedied by

- reducing the pump pressure
- reducing the capacity, i.e. smaller nozzle or greater resistance
- changing to a pump with higher capacity

One pipe system



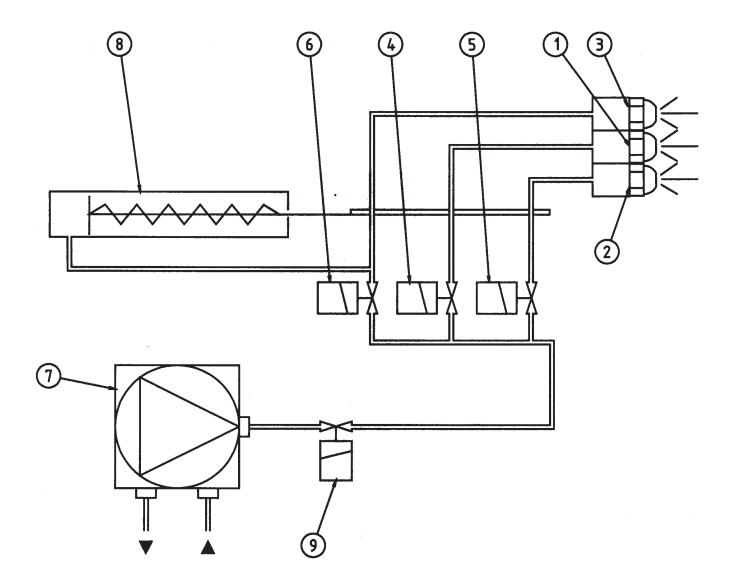
Two pipe system



Exchange of filter



FUNCTION FOR DANFOSS RSA



- Stage 1 1. Nozzle
- 2. Nozzle Stage 2 Stage 3
- 3. Nozzle
- 4. Solenoid valve Stage 1
- 5. Solenoid valve Stage 2
- 6. Solenoid valve Stage 3
- and adjustment device nozzle assembly
- 7. Oilpump
- 8. Adjustment device nozzle assembly
- 9. Safety solenoid valve

Pump pressure bar

Gph		10		11			12			13		
	kg/h	kW	Mcal/h	kg/h	kW	Mcal/h	kg/h	kW	Mcal/h	kg/h	kW	Mcal/h
1,00	3,72	44	38	3,90	46	40	4,08	48	42	4,24	50	43
1,10	4,09	48	42	4,29	51	44	4,48	53	46	4,67	55	48
1,20	4,47	53	46	4,68	55	48	4,89	58	50	5,09	60	52
1,25	4,65	55	47	4,88	58	50	5,10	60	52	5,30	63	54
1,35	5,02	59	51	5,27	62	54	5,50	65	56	5,73	68	58
1,50	5,58	66	57	5,85	69	60	6,11	72	62	6,36	75	65
1,65	6,14	73	63	6,44	76	66	6,73	80	69	7,00	83	71
1,75	6,51	77	66	6,83	81	70	7,14	85	73	7,42	88	76
2,00	7,45	88	76	7,81	93	80	8,16	97	83	8,49	101	87
2,25	8,38	99	85	8,78	104	90	9,18	109	94	9,55	113	97
2,50	9,31	110	95	9,76	116	100	10,19	121	104	10,61	126	108
2,75	10,24	121	104	10,73	127	109	11,21	133	114	11,67	138	119
3,00	11,16	132	114	11,71	139	119	12,23	145	125	12,73	151	130
3,50	13,03	154	133	13,66	162	139	14,27	169	146	14,85	176	151
4,00	14,89	176	152	15,62	185	159	16,31	193	166	16,97	201	173
4,50	16,75	199	171	17,57	208	179	18,35	218	187	19,10	226	195
5,00	18,62	220	190	19,52	231	199	20,39	242	208	21,22	252	216
5,50	20,48	243	209	21,47	255	219	22,43	266	229	23,34	277	238
6,00	22,34	265	228	23,42	278	239	24,47	290	250	24,46	302	260
6,50	24,20	287	247	25,37	301	259	26,51	314	270	27,58	327	281
7,00	26,06	309	266	27,33	324	279	28,55	339	291	29,70	352	303
7,50	27,92	331	285	29,28	347	299	30,59	363	312	31,83	377	325
8,00	29,79	353	304	31,23	370	318	32,63	387	333	33,95	403	346
8,50	31,65	375	323	33,18	393	338	34,66	411	353	36,07	428	368
9,00	33,59	398	343	35,14	417	358	63,71	435	374	38,19	453	389
9,50	35,37	419	361	37,09	440	378	38,74	549	395	40,31	478	411
10,00	37,23	441	380	39,04	463	398	40,78	484	416	42,44	503	433
11,00	40,96	486	418	42,94	509	438	44,86	532	457	46,68	554	476
12,00	44,68	530	456	46,85	556	478	48,94	580	499	50,92	604	519
14,00	52,12	618	531	54,65	648	557	57,10	677	582	59,41	705	606
16,00	59,57	706	607	62,46	741	637	65,26	774	666	67,90	805	692
18,00	67,02	795	683	70,27	833	717	73,41	871	749	76,39	906	779
20,00	74,47	883	759	78,08	926	796	81,57	967	832	84,87	1007	865
22,00	81,91	971	835	85,89	1019	876	89,73	1064	915	93,36	1107	952
24,00	89,36	1060	911	93,70	1111	956	97,88	1161	998	101,85	1208	1039
26,00	96,81	1148	987	101,50	1204	1035	106,04	1258	1081	110,33	1308	1168

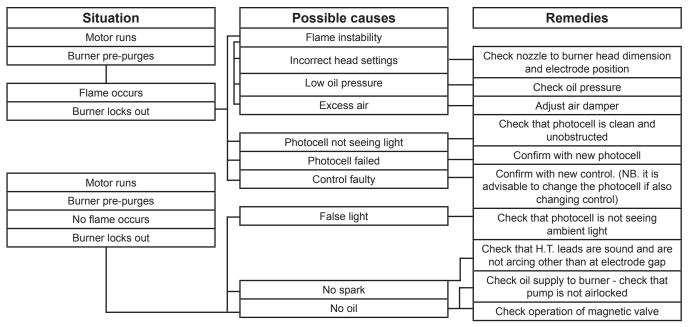
The table applies to oil with a viscosity of 4,4 mm²/s (cSt) with density 830 kg/m³.

Pump pressure bar

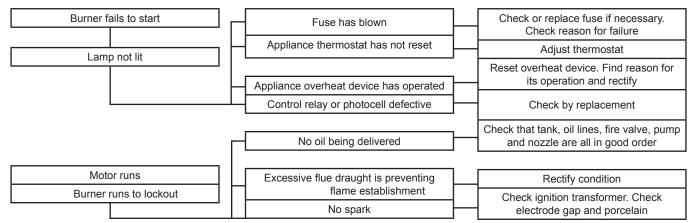
Gph	14 15			15	16				17			
Орп	kg/h	kW	Mcal/h	kg/h	kW	Mcal/h	kg/h	kW	Mcal/h			Mcal/h
1,00	4,40	52	45	4,56	54	46	4,71	56	48	4,85	57	49
1,00	4,84	57	49	5,01	59	51	5,18	61	53	5,34	63	54
1,20	5,29	63	54	5,47	65	56	5,65	67	58	5,82	69	59
1,25	5,51	65	56	5,70	68	58	5,89	70	60	6,07	72	62
1,35	5,95	70	61	6,15	73	63	6,36	75	65	6,55	78	67
1,50	6,60	78	67	6,83	81	70	7,06	84	72	7,27	86	74
1,65	7,27	86	74	7,52	89	77	7,77	92	79	8,01	95	82
1,75	7,71	91	79	7,97	95	81	8,24	98	84	8,49	101	87
2,00	8,81	104	90	9,12	108	93	9,42	112	96	9,71	115	99
2,25	9,91	118	101	10,26	122	105	10,60	126	108	10,92	130	111
2,50	11,01	131	112	11,39	135	116	11,77	140	120	12,13	144	124
2,75	12,11	144	123	12,53	149	128	12,95	154	132	13,35	158	136
3,00	13,21	157	135	13,67	162	139	14,13	168	144	14,56	173	148
3,50	15,42	183	157	15,95	189	163	16,49	196	168	16,99	201	173
4,00	17,62	209	180	18,23	216	186	18,84	223	192	19,42	230	198
4,50	19,82	235	202	20,51	243	209	21,20	251	216	21,84	259	223
5,00	22,03	261	225	22,79	270	232	23,55	279	240	24,27	288	247
5,50	24,23	287	247	25,07	297	256	25,91	307	264	26,70	317	272
6,00	26,43	313	270	27,49	326	280	28,27	335	288	29,13	345	297
6,50	28,63	340	292	29,63	351	302	30,62	363	312	31,55	374	322
7,00	30,84	366	314	31,91	378	325	32,98	391	336	33,98	403	374
7,50	33,04	392	337	34,19	405	349	35,33	419	360	36,41	432	371
8,00	35,25	418	359	36,47	433	372	37,69	447	384	38,80	460	396
8,50	37,45	444	382	38,74	459	395	40,04	475	408	41,26	489	421
9,00	39,65	470	404	41,02	486	418	42,40	503	432	43,69	518	446
9,50	41,85	496	427	43,30	514	442	44,75	531	456	46,11	547	470
10,00		523	449	45,58	541	465	47,11	559	480	47,11	559	480
11,00	48,46	575	494	50,14	595	511	51,82	615	528	53,40	633	545
12,00	52,87	627	539	54,70	648	558	56,53	670	576	58,25	691	594
14,00	62,68	732	629	63,81	757	651	65,95	778	669	67,96	806	693
16,00	70,49	836	719	72,93	865	744	75,38	894	769	77,67	921	792
18,00	79,30	940	809	82,05	973	837	84,80	1006	865	87,38	1036	891
20,00	88,11	1045	899	91,17	1081	930	94,22	1117	961	97,09	1151	990
22,00	96,92	1149	988	100,28	1189	1023	103,64	1229	1057	106,79	1267	1089
24,00	105,74	1254	1078	109,40	1297	1116	113,06	1341	1153	116,50	1382	1188
26,00	114,55	1359	1168	118,52	1406	1209	122,49	1453	1249	126,21	1497	1287

The table applies to oil with a viscosity of 4,4 mm²/s (cSt) with density 830 kg/m³.

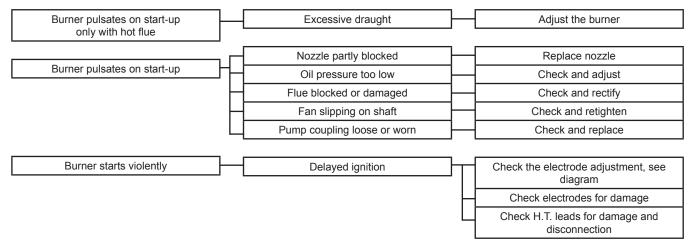
Burner fails to start



Burner fails to start after normal operation



Delayed ignition, burners starts violently



EU Declaration of conformity

Bentone Oilburners

Туре			
BF 1	ST 133	B 10	B 55
ST 97	ST 146	B 30	B 65
ST 108	B 1	B 40	B 70
ST 120	B 2	B 45	B 80

This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration described above is in conformity with:

Machinery Directive 2006/42/EC

EMC 2014/30/EU

Restriction of the use of certain hazardous substances (RoHS) Directive 2011/65/EU

References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

EN 267:2009+A 1 :2011 (excluded Annex J/K) Automatic forced draught burners for liquid fuels

Additional information can be downloaded at:

Enertech AB Box 309 S-341 26 LJUNGBY

www.bentone.com

Ljungby September 26rd, 2017

Håkan Lennartsson Managing Director Enertech AB



171 905 28-2 2017-09-26

OIL BURNERS MAINTENANCE INSTRUCTIONS

General information

Keep the boiler room clean. Ensure that the boiler room has permanent fresh air intake. Switch off before dismantling the oil burner.

At hinged mounting, make sure that an automatic safety switch is fitted, so that the burner cannot start when theswing door is open.

Don't use the oil fired boiler to burn paper or

rubbish,unless the boiler is especially fitted with a hinged door tomake this possible.

Don't fill tank while burner is working.

Starting precautions

Make sure that the oil tank is not empty

Make sure that the valves on oil and water supply pipes areopen.

Make sure that the boiler flue damper is open.

Make sure that the boiler thermostat is set at the correct temperature.

Switch on the current. Most relay systems have a delayed action so that the burner will not start for perhaps 20 seconds.

With heavy oil the delay will be longer as the burner will notstart until the oil in the preheater reaches the requiredtemperature.

If the burner will not start

Press the reset button on the relay. Check that the thermostats are correctly adjusted.

Don't forget the room thermostat, check that any fusesare intact and main switch is on.

Installed by:

•••••	•••••	 	•••••	 	

If the burner starts but does not ignite

Make an attempt to start the burner.

Never make close repeated start attempts.

Don't restart the burner until the boiler is free from oil gases.

If the burner still does not ignite send for the service engineer.

When switching off during summer

Always use the main switch to cut out the burner even when adjusting the burner or cutting off the heating for ashort time. For longer periods of shut down, close all valves and the oil supply stop-cock.

Clean the filter and nozzle by washing in petrol or paraffin.

Make sure the filter medium is not damaged or defective. Protect electrical gear from damp.

Warning

Never stand too near or put your face to the inspection or fire door, when the burner is about to start. Never use a naked flame to ignite oil if the electrical ignition fails.

Always wait for about 10 minutes for the unburnt gases to disperse before restarting the oil burner if it has failed to ignite previously.

Enertech AB. P.O Box 309, SE-341 26 Ljungby. www.bentone.se, www.bentone.com

