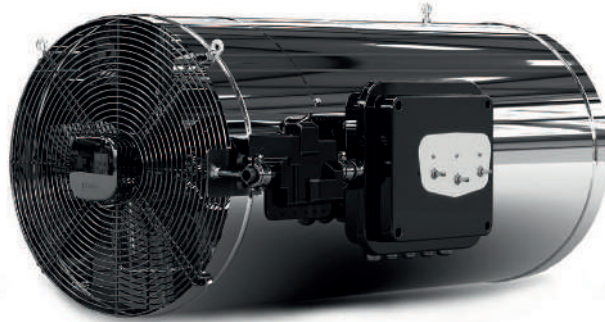


# **Blow Heater**

## **MR 70 kW**

### **Technical Info**





## 1 Product description

This Technical User's Guide is a supplement to the manuals supplied by the manufacturer of the product. Manuals are included with the blow heater. This guide does not replace the manuals supplied by the manufacturer. Contact SKOV A/S in case of deviations between information in this guide and the manuals supplied by the manufacturer. The manufacturer's manual is the valid manual.

This guide shows the blow heaters used by SKOV A/S, includes a short general functional description and directions for mounting of the blow heater integrated in a ventilation system.

The blow heaters heat up and circulate the housing air by means of the built-in fans. The blow heaters are direct-fired and can be a supplement to or a replacement for water-based indirect-fired heating systems and are primarily used for heating in livestock house sections. Direct-fired means that the generation of heat takes place as a result of direct, open combustion of gas in the house section itself.

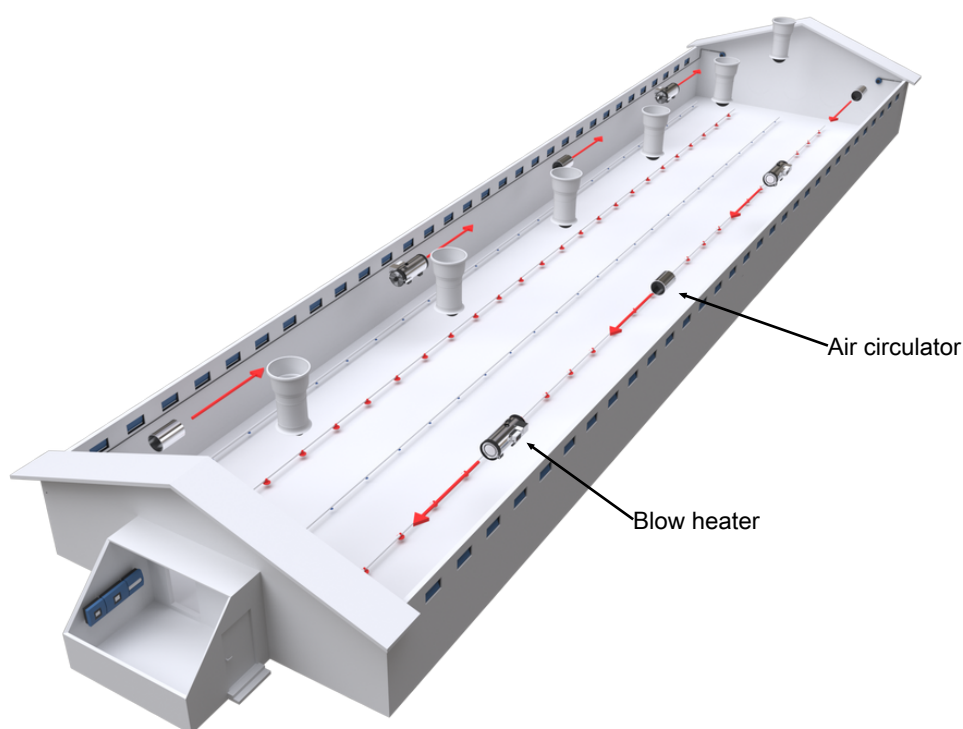
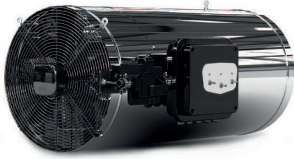


Figure 1: Principal drawing of the blow heater and air circulator

## 2 Product survey

### 2.1 Blow heaters



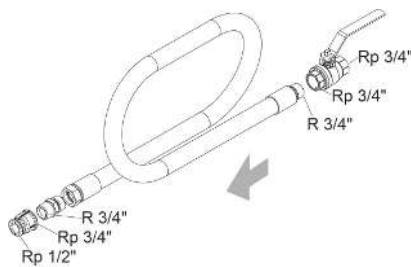
**410211 Blow heater MR 70 kW 50/60 Hz NG**

**410212 Blow heater MR 70 kW 50/60 Hz LPG**

- Air jet range: 30 m for 50 Hz
- Air jet range: 35 m for 60 Hz
- Weight 32 kg
- Gas connection 1/2" to ISO 7-1.

Connection kit must be ordered separately.

#### 2.1.1 Accessories



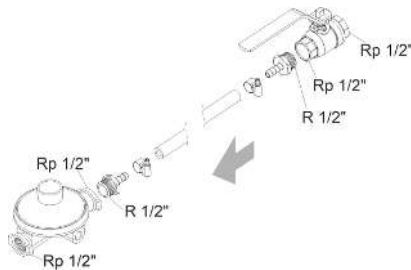
**410213 Connection kit blow heater NG 3/4" 1.5 m**

Connection kit for MR 70 kW natural gas.

Used for the supply of natural gas.

Supplied with ball valve, sleeve and nipple. Total length is 1.5 m.

Order one kit per blow heater.



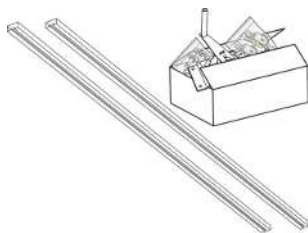
**410214 Connection kit blow heater LPG 1/2" 2 m**

Connection kit for MR 70 kW LPG.

Used for the supply of LPG/propane.

Supplied with ball valve, pressure regulator, valve, hose, and clamp. Total length is 2 m.

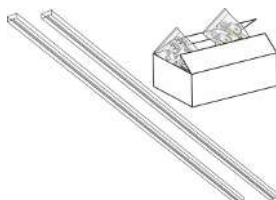
Order one kit per blow heater.



**410159 Suspension kit with hoist for blow heater**

Includes mounting rail and mounting set.

Order one suspension kit per blow heater.



**410161 Suspension kit for blow heater**

Includes mounting rail and mounting set.

Order one suspension kit per blow heater.



### 530302 Loctite liquid packing, gas 577 50 ml

All-purpose liquid packing.

Used for mounting in low temperature conditions, e.g. outdoors.

DVGW approved (EN 751-1)

WRC approved (BS 6920): 0711506

Max. pipe dimension: 3"

Disassembling, resistance to fracture: Medium

Application: -50 °C - +150 °C

Order one per 20 blow heaters.

## 2.2 Air circulators



### 445044 DB 465 air circulator 230V 50Hz stepless

### 445093 DB 465 air circulator 230V 60Hz stepless

Not CE marked and should not be used in countries where this is required.

Is primarily used for air circulation.

Air circulator which can contribute to reduce temperature differences.

Can be adjusted steplessly for example using DOL 31.



### 445043 DB 620 air circulator 230V 50Hz stepless

Not CE marked and should not be used in countries where this is required.

Is primarily used for air circulation.

Air circulator which can contribute to reduce temperature differences.

Can be adjusted steplessly for example using DOL 31.

### 2.2.1 Accessories



### 445047 Suspension parts for air circulator, fixed

Is used for suspension of air circulators in the ceiling.

Cannot be adjusted in height.



### 445048 Suspension parts for air circulator, hoist

Is used for suspension of air circulators in the ceiling.

Can be adjusted in height to facilitate positioning and service.

### 3 Technical data

		410211 MR 70 kW NG	410212 MR 70 kW LPG
<b>Electrical</b>			
Supply voltage	V AC	230 + 10/- 15%	
Frequency	Hz	50/60	
Current consumption	A	1.13/1.6	
<b>Gas</b>			
Gas		Natural gas	LPG/Propane
Minimum supply pressure	mbar	20	30-50
Maximum supply pressure	mbar	60	
Effect	kW	70	
Consumption - Natural gas	m <sup>3</sup> /h	6.55	-
Consumption - LPG/propane	kg/h	-	4.6
Connection kit		410213 Connection kit blow heater NG ¾" 1.5 m	410214 Connection kit blow heater LPG ½" 2 m
Connection type		½" external thread	
<b>Mechanical</b>			
Air output	m <sup>3</sup> /h	4225/4800	
Min/Max distance	m	25-50	25-40
Maximum distance without air circulator	m	30 35	
Maximum distance with air circulator	m	45 50	
<b>Environment</b>			
Noise level	dB (A)	67	
<b>Shipment</b>			
Dimensions HxWxL	mm	500x601x1066	
Dimensions when packed HxWxL	mm	650x650x1100	
Weight	kg	32	
Shipping weight	kg	37	



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