

FINAL YEAR PROJECT REPORT  
DIPLOMA IN MECHANICAL ENGINEERING  
SCHOOL OF ENGINEERING M.I.T SHAH ALAM

DESIGN AND FABRICATION OF A TURBULAR GAS BURNER

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## CONTENTS

PREFACE	i
ACKNOWLEDGEMENT	ii
CHAPTER 1 INTRODUCTION	
1.1 DEFINITION	1
CHAPTER 2 AIMS	2
CHAPTER 3 HEAD LOAD	
3.1 HEAT LOAD	4
3.2 OUTDOOR AND INDOOR DESIGN CONDITION	4
3.3 AUXILIARY HEAT SOURCES	5
3.4 AIR REQUIRED FOR SPACE HEATING	5
3.5 CALCULATION OF HEAT LOSSES	6
3.6 ROOM DIMENSION	9
3.8 TABLE: CONDUCTIVITIES, CONDUCTANCES AND RESISTANCES OF BUILDING AND INSULATING MATERIALS AT A MEAN TEMPERATURE OF 24 C	10
3.9 GENERAL ENERGY EQUATION FOR SPACE HEATING	13
CHAPTER 4 ROOM AIR MOTION	
4.1 ROOM AIR MOTION	16
4.2 BASIC FLOW PATTERNS	18
CHAPTER 5 COMBUSTION	
5.1 COMBUSTION	19
5.2 COMBUSTION OF NATURAL GAS	22
CHAPTER 6 BURNERS	

6.1	THE BURNERS	23
6.2	PRIMARY AND SECONDARY AIR	23
6.3	THE VENTURI	25
6.4	TYPES OF BURNERS	25
6.5	THE ORIFICE	28
CHAPTER 7	HEAT EXCHANGER	
7.1	HEAT EXCHANGER	32
CHAPTER 8	GAS BURNING ASSEMBLY	
8.1	GAS BURNING ASSEMBLY	37
8.2	GAS VALVE	37
8.3	HAND SHUT OFF VALVES	39
8.4	PRESSURE-REDUCING VALVE	39
8.5	SAFETY SHUT OFF EQUIPMENT	41
8.6	THE PRINCIPLE OF THE THERMOCOUPLE	42
8.7	THE POWER UNIT	43
8.8	OPERATOR OF AUTOMATIVE GAS VALVE	44
8.9	DIAPHRAGM VALVE OPERATOR	45
8.10	BIMETAL OPERATOR	46
8.11	BULB TYPE	47
8.12	SAFETY PILOT	48
8.13	PILOT BURNER ORIFICE	50
8.14	PILOT FLAME	50
CHAPTER 9	BLOWERS	
9.1	BLOWERS	51
9.2	BLOWERS PERFORMANCE	52
CHAPTER 10	WIRING DIAGRAMS	
10.1	GAS FIRED HEATING WIRING DIAGRAMS	60

## PREFACE

Currently manufactured gas fired heating do far more than merely heat spaces by burning fuel. These appliances are carefully controlled to burn fuel inside a heat exchanger as efficiently as possible. The end products of this combustion are efficiently drawn out through a flue, and air metered into the living spaces is warmed as it passes around the outside of the heat exchanger.

In addition to performing the heating function, gas fired heating control the flow of air to each room, control combustion, draw off unwanted gases, filter the air and in many cases, add humidity to the air to futher increase the comfort of human in the living spaces. We now design the residential gas fired heating. The function of the fired heating is to increase temperature room up to  $10^{\circ}$  C.

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