

מדינת ישראל

# משרד השיכון

9518-52

סמל: העיר העתיקה - סניטציה

הנושא: סניטציה

נפתח ב 1 % 6%

נסגר ב

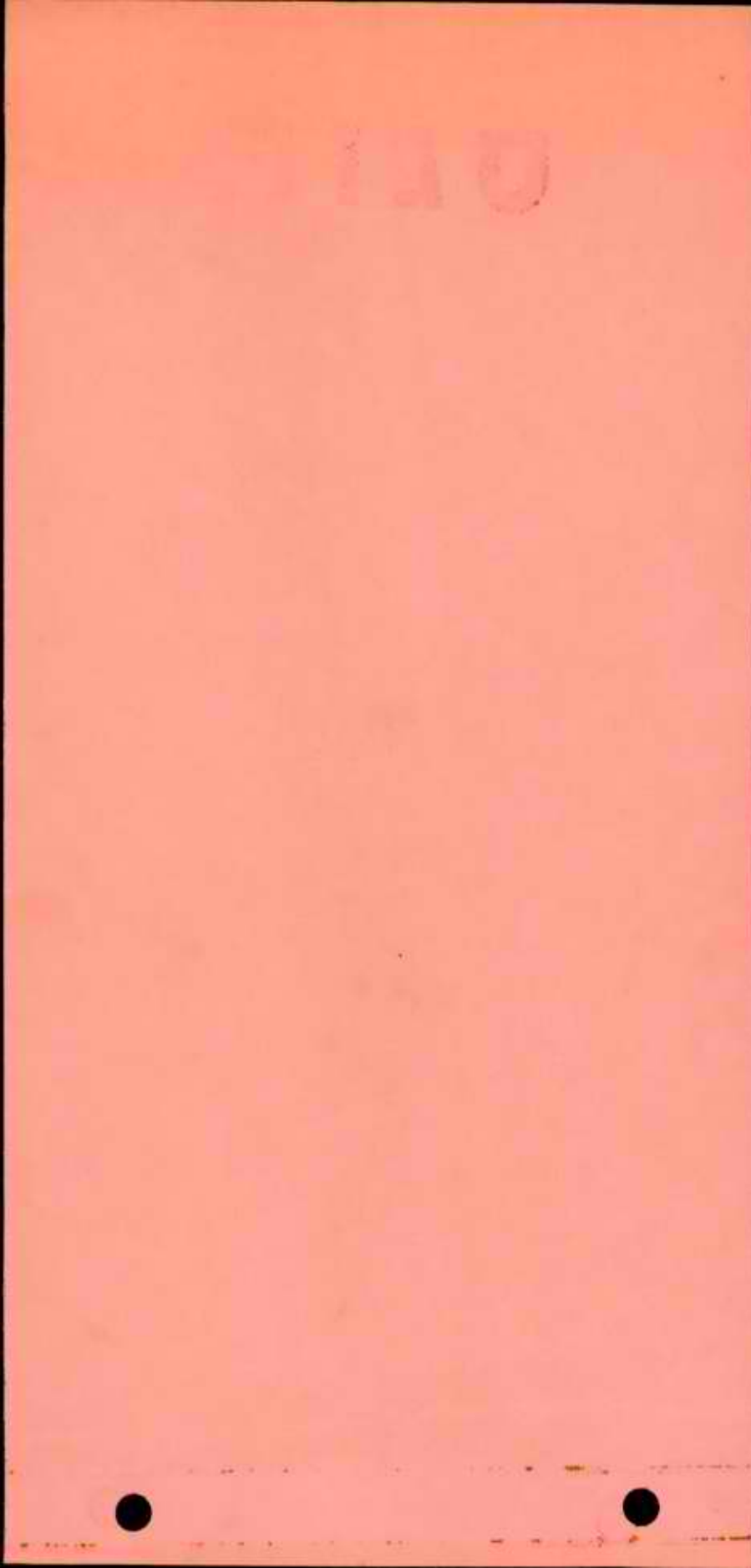
	
שט וניק	העיר העתיקה - סניטציה
מזהה פרויקט	גל-4936/36
מזהה פריט: 000qgjo	
כתובת: 2-105-8-6-7	תאריך הדפסה: 17/09/2018

הנושא:

סמל:

סניטציה

9518-52



12/3

2 בדצמבר 1968

מס' 1384/1796

52-978

12.58

מס' הרישום

לעיון ולסמך

לכבוד  
מנהל ד. גור,  
רמ' נורדאו 15,  
רמת - גן.

א.ג.

הנדון: מתקן ומערכת גז לחימום מים -  
בית מלחה - הרבע היהודי בעיר העתיקה.

בהמשך לשיחתנו וביקורנו המשותף במקום ביום 1 לח.ז., להלן הצעתנו  
הנדון :

1. דוד אגירה לחימום מים דגם GL 37-150.

המחיר המים - המחיר שוטטת : בהעלאה טמפרטורה של 33 כ - 800 ליטר  
מים חמים לשעה.

המחיר חר

פעמים : כ - 150 ליטר מים חמים בטמפרטורה של  
82 כל דקות.

ק ב ו ל - 150 ליטר.

תצרכת הגז - 3 ק"ג גז לשעה.

ב י ד ו ד - מושלם ע"י שכבה בעבי של 5 ס"מ אמר זכוכית.

ל ח ד - לחץ עבודה מקסימלי - 10 אטמוספרות (אין לחץ מינימלי).

א ר ו ב ה - בקטר "6.

א כ ז ר י מ - 1. טרמוסטט עצמאי (אינו צורך חשמל לצורך הפעלה).  
2. שסתום בטחון.

חיבורי המים - בקטר "1.5.

מחיר הדוד..... 1,225.- ל"י

מס קניה..... 378.- ל"י

סה"כ..... 1,603.- ל"י

2. דוד אגירה לחימום מים דגם GL 65-240.

המחיר המים - המחיר שוטטת : בהעלאה טמפרטורה של 33 כ - 1350 ליטר  
מים חמים לשעה.

המחיר חר

פעמים : כ - 240 ליטר מים חמים בטמפרטורה של  
82 כל דקות.

ק ב ו ל - 320 ליטר.

תצרכת הגז - 5 ק"ג גז לשעה.

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THE HISTORY OF THE UNITED STATES OF AMERICA  
FROM 1776 TO 1876

CHAPTER I  
THE FOUNDING OF THE NATION  
1776-1789  
The American Revolution was a struggle for independence from British rule. It began in 1776 when the Continental Congress declared the United States to be a new nation. The war lasted until 1781 when the British evacuated New York City and moved back to Canada. The war ended with the signing of the Treaty of Paris in 1783, which recognized the United States as an independent nation.

CHAPTER II  
THE EARLY YEARS  
1789-1800  
The early years of the United States were marked by the struggle to establish a new government. The Constitution was written in 1787 and ratified in 1788. The first President, George Washington, took office in 1789. The early years were also marked by the struggle to establish a new nation, with the United States facing many challenges, including the War of 1812.

CHAPTER III  
THE WAR OF 1812  
1812-1815  
The War of 1812 was a conflict between the United States and Great Britain. It began in 1812 when the United States declared war on Britain. The war lasted until 1815, when the Treaty of Ghent was signed, ending the war. The war was a significant event in the history of the United States, as it established the nation's independence from Britain.

CHAPTER IV  
THE 19TH CENTURY  
1815-1876  
The 19th century was a period of rapid growth and change for the United States. The nation expanded its territory, and the economy grew rapidly. The 19th century was also marked by the struggle to establish a new nation, with the United States facing many challenges, including the Civil War.



כ י ד ו ד	-	מושלם ע"י שכבה בעבי של 5 ס"מ צמר זכוכית.
ל ח ז	-	לחץ עבודה מקסימלי - 10 אטמוספירות (אין לחץ מינימלי).
א ר ו ב ה	-	בקטר "7.
א ב ז ר י ט	-	1. טרמוסטט עצמאי (אינו צורך השמל לצורך הפעלה). 2. שסתום בטחון.
חיבורי המים	-	בקטר "1 $\frac{1}{2}$ .
מחיר הדור.	2,025.-	ל"י
מס קניה.	630.-	ל"י
סה"כ.	2,655.-	ל"י

### 3. מחלקת הבז

#### א. GL 37-150 לדור

מחלקת בז של 6 מיכלים א' (קיבול 48 ק"ב בז)	
כולל :	טעפת 5+5 עם 2 ברזי סגירה,
	ברז בטחון ראשי,
	1 נקודת בז עם ברז בטחון,
	1 טכסה מבן לוסת הלחץ,
	1 רסת לחץ,
	ועל יתר האבזורים הדורשים
	לחפעלה תקינה.
מס קניה קצוב.	280.-
מס קניה קצוב.	27.-
הצגרת למי הערימי החברה.	

#### ב. GL 85-240 לדור

מחלקת בז של 10 מיכלים א' (קיבול 48 ק"ב בז)	
כולל :	טעפת 5+5 עם 2 ברזי סגירה
וכו' - למי המפרט כנ"ל.	
מס קניה קצוב.	360.-
מס קניה קצוב.	27.-
הצגרת למי הערימי החברה.	
ארוכה חיבורי המים והמחלקת מרכב מים (שאנו ממליצים על הרכבתו, לשם	
מניעת משקעי אכזיית בדמנות הצנרת) - יבוצעו ע"י המדמין.	

### 4. שטח איחסון

- א. שטח איחסון למחלקת המיכלים 5+5 -  $3.50 \times 0.60$  מטר.
- ב. שטח איחסון למחלקת המיכלים 5+5 -  $3.50 \times 1.10$  מטר.
- אזור האחסון יהיה סגור ומוגן ע"י חסר בלתי דליק, עם אפשרות פתיחה לצורך החלפת מיכלים (שער).
- יש להכין מתח איורור בספלט הקרקע לכל אורך השטח בגובה של 20 ס"מ.



THE FIRST PART OF THE BOOK IS A HISTORY OF THE  
CITY OF NEW YORK FROM THE FIRST SETTLEMENT  
IN 1624 TO THE PRESENT TIME. THE SECOND PART  
IS A HISTORY OF THE STATE OF NEW YORK FROM  
THE FIRST SETTLEMENT IN 1614 TO THE PRESENT  
TIME.

THE THIRD PART IS A HISTORY OF THE  
CITY OF NEW YORK FROM THE FIRST SETTLEMENT  
IN 1624 TO THE PRESENT TIME. THE FOURTH  
PART IS A HISTORY OF THE STATE OF NEW YORK  
FROM THE FIRST SETTLEMENT IN 1614 TO THE  
PRESENT TIME.

THE HISTORY OF THE CITY OF NEW YORK  
FROM THE FIRST SETTLEMENT IN 1624 TO THE  
PRESENT TIME.

THE CITY OF NEW YORK WAS FIRST SETTLED  
IN 1624 BY A GROUP OF DUTCHMEN WHO  
WENT TO THE ISLAND OF MANHATTAN. THE  
DUTCH GOVERNMENT AT THAT TIME WAS THE  
WEST INDIES COMPANY. THE CITY WAS  
AT FIRST CALLED ALBANY. IN 1625 THE  
DUTCH GOVERNMENT DECIDED TO MOVE THE  
CITY TO THE ISLAND OF MANHATTAN. THE  
CITY WAS THEN CALLED NEW AMSTERDAM.

IN 1664 THE CITY WAS TAKEN BY THE  
ENGLISH. THE ENGLISH GOVERNMENT  
DECIDED TO MOVE THE CITY TO THE  
ISLAND OF MANHATTAN. THE CITY WAS  
THEN CALLED NEW YORK. IN 1674 THE  
CITY WAS TAKEN BY THE DUTCH. THE  
DUTCH GOVERNMENT DECIDED TO MOVE THE  
CITY TO THE ISLAND OF MANHATTAN. THE  
CITY WAS THEN CALLED NEW AMSTERDAM.

IN 1674 THE CITY WAS TAKEN BY THE  
DUTCH. THE DUTCH GOVERNMENT DECIDED  
TO MOVE THE CITY TO THE ISLAND OF  
MANHATTAN. THE CITY WAS THEN CALLED  
NEW AMSTERDAM.

IN 1674 THE CITY WAS TAKEN BY THE  
DUTCH. THE DUTCH GOVERNMENT DECIDED  
TO MOVE THE CITY TO THE ISLAND OF  
MANHATTAN. THE CITY WAS THEN CALLED  
NEW AMSTERDAM. IN 1674 THE CITY WAS  
TAKEN BY THE DUTCH. THE DUTCH  
GOVERNMENT DECIDED TO MOVE THE CITY  
TO THE ISLAND OF MANHATTAN. THE CITY  
WAS THEN CALLED NEW AMSTERDAM.



חדר הדוד

5.

החדר יחיה סגור עם דלת מחסר בלתי דליק.

איוורור במפלס הקרקע לכל אורך המרחב ומגבה של 30 ס"מ.  
איוורור עליון מעל לגובה של 2 מטר במרחב הכניסה.

במקורן בעד המיכלים (-100 לי"י למיכל) - נסכים לקבל ערבות עצמית  
של משרד השכון או עיריית ירושלים.

חומיל ונמסר לנו כי ביצוע העבודה דגן הינו דחוף, נבקשתם לאשר הצעתנו

בחקדט.

לשדות בב' בכל עת, הננו חותמים,

בכבוד רב,  
החברה האמריקאית-ישראלית לגז בע"מ  
י. חסיד.

העתק : מר וייד, משרד השכון.  
מנהל שטחים.  
סניף ירושלים.

לוח : פרוספקטים.

יח/מד



SECRET

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SECRET



## STANDARD EQUIPMENT

- |                                     |                                   |
|-------------------------------------|-----------------------------------|
| 1. Glass lined tank (double coat)   | 8. 1½" water connections          |
| 2. 120° to 180° thermostat          | 9. Oversize drain valve           |
| 3. Diaphragm gas valve              | 10. Circulating loop connection   |
| 4. Gas Pressure Regulator           | 11. ASME rated T & P relief valve |
| 5. 100% safety shutoff on all gases | 12. Cast iron burners             |
| 6. Swing around draft diverter*     | 13. 2" Fiberglass insulation      |
| 7. Hand-hole cleanout               | 14. Magnesium anode rod           |

\*Except Model GL37-200-1.

## ENGINEERING INFORMATION

- 1. STORAGE TANK** The tank of this water heater is lined with a double coating of high temperature glass formula. It is built for long life under any water conditions. A magnesium anode rod is installed at the factory.
- 2. EXTERNAL FLUE DESIGN** External flue (full-floating) design utilizes entire outside surface of tank as a heat exchange area, giving lower BTU heat transfer per square inch. Absence of internal flues removes critical stress areas normally found in commercial water heaters, and leaves the bottom head completely accessible for easy cleaning.
- 3. SPECIAL STEEL FLUE LINER** The flue liner in Floater V glass lined water heaters is made of special temperature and corrosion resistant steels. Will not warp or distort even under the most severe operating conditions.
- 4. FIBERGLAS INSULATION** A 2" blanket of Fiberglass insulation completely surrounds the flue liner. The effectiveness of Fiberglass in preventing heat loss is well known, and its use assures high operating efficiency.
- 5. HAND-HOLE CLEANOUT** A large hand-hole cleanout is standard equipment. The hand-hole opening is used for the removal of scale (lime), silt, sand, and other foreign materials which might accumulate. Opening is equipped with a glass coated cover plate and is sealed with a replaceable neoprene gasket.
- 6. DRAFT DIVERTER** "Swing around" diverter\* allows connection to the outside flue from any direction. Saves time and installation expense, and allows the water heater(s) to be placed at any convenient angle.
- 7. TEMPERATURE CONTROL** Designed to shut off all gas if pilot light goes out. Thermo-magnetic automatic pilot—no moving parts to wear out. Accurate temperature control.
- 8. CAST IRON BURNER** Raised, drilled port, cast iron burner is designed for unusually high primary air injection. The resultant low flame mantle allows for the best use of the combustion chamber space, as well as minimizing any possibility of sooting.
- 9. OVERSIZE DRAIN VALVE** Has far bigger internal openings to allow rapid draining of the tank for periodic inspection. A ¾" I.P.S. side opening is used for connecting the return line of building circulating loops.
- 10. RELIEF VALVE** An ASME rated temperature and pressure relief valve is available with each unit. The valve is set for 150 psi pressure and 210° F. temperature.
- 11. FACTORY ASSEMBLY** Every model is completely assembled, and performance tested at the factory.

## APPROVALS AND RATINGS



1. These Ruud Floater V water heaters are fully approved by the American Gas Association Laboratories: a) As automatic instantaneous water heaters, b) As automatic circulating tank water heaters, c) For operation at 180°, d) For operation on combustible floors.

2. Ruud Floater V water heaters are hydrostatically pressure tested and rated for 150 psi working pressure.

3. Ruud Floater V water heaters are constructed in accordance with Standards No. 5 of the National Sanitation Foundation, and are Approved-Listed for use with all types of dishwashing machines when installed with special leg extensions.

# FLOATER V GLASSLINED COMMERCIAL GAS WATER HEATERS



## 5 YEAR WARRANTY

Five-year warranty. In the first two years a defective tank will be replaced with a new water heater and in the next three years at 60%, 75% and 90% of the current retail price of the replacement. Defective parts will be replaced in first year. Cost of local delivery, labor and materials are not covered.

GL18-65-1 & GL18-100-1

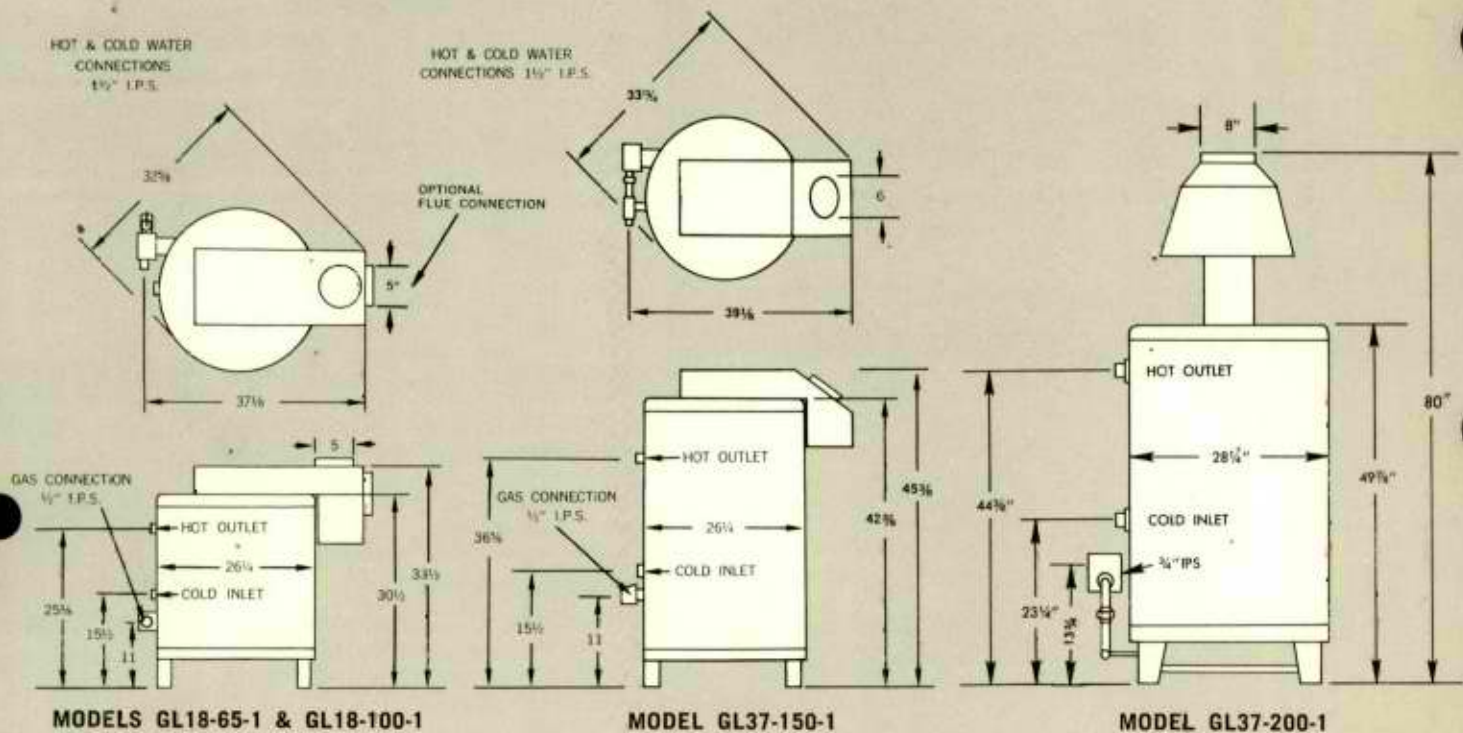


GL37-150-1  
(Swing Around Diverter)

GL37-200-1  
(Upright Diverter)







MODELS GL18-65-1 & GL18-100-1

MODEL GL37-150-1

MODEL GL37-200-1

Increase height dimensions  $4\frac{1}{2}$ " if leg extensions are used for N.S.F. Approval. Model GL37-200-1 only 2".

Heater Model	Input BTU/hr.	Tank Gallons	Recovery in Gals./hr. at Various Temperature Rises											Shipping Weight
			40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	
GL18-65-1	72,000	18	151	121	101	86	76	67	61	55	50	47	43	285#
GL18-100-1	100,000	18	210	168	140	120	105	93	84	76	70	65	60	290#
GL37-150-1	150,000	37	315	252	210	180	158	140	126	115	105	97	90	362#
GL37-200-1	199,900	37	420	336	280	240	210	187	168	153	140	129	120	389#

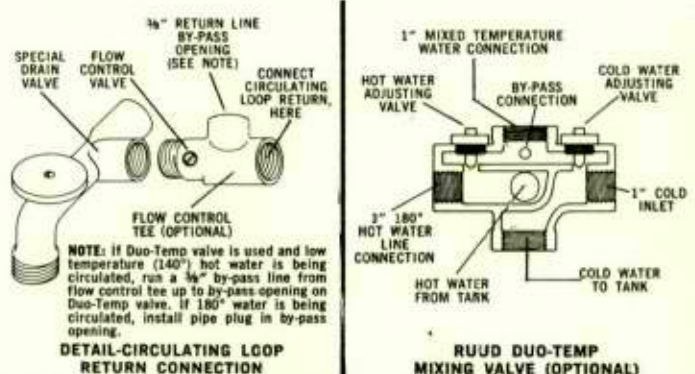
Available for All Gases—Except L.P. Air Gases.

### SAMPLE SPECIFICATIONS

Water heater(s) shall be Ruud Floater V Model \_\_\_\_\_ having gas input of \_\_\_\_\_ BTU/hr. and a recovery rate of \_\_\_\_\_ GPH at a 100° temperature rise. Water heater(s) shall have the A.G.A. seal of approval. Water heater(s) shall be furnished with a tank lined with a double coating of high temperature glass and furnished with a magnesium anode rod rigidly supported. Tanks shall have a working pressure rating of 150 psi, and shall be equipped with a boiler-type hand-hole cleanout. Water heater(s) shall be of external flue design, and completely factory assembled, including a pressure regulator properly adjusted for operation on \_\_\_\_\_ gas; cast iron, raised drilled port burners; and a factory supplied ASME rated, temperature and pressure relief valve. Controls will be arranged for 100% safety shutoff in event of pilot failure. Complete unit shall be insulated with a 2" blanket of Fiberglas. Water heater(s) shall be covered by a five year warranty from the manufacturer.

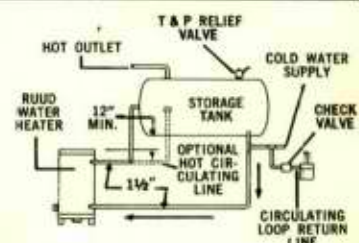
(Add for two temperature systems)

Ruud Duo-Temp valve kit shall be installed on water heater(s): 180° water line shall be connected to Duo-Temp valve opening marked "hot"; building general purpose hot water line shall be connected to opening marked "mixed"; cold water supply shall be connected to opening marked "cold."



NOTE: Above models are approved for gravity circulation to a separate tank. However, Duo-Temp valve kit should not be used when heater is so installed.

CONNECTIONS TO HORIZONTAL STORAGE TANK





## TANDARD EQUIPMENT

- |                                     |                                   |
|-------------------------------------|-----------------------------------|
| 1. Glass lined tank (double coat)   | 8. Hand-hole cleanout             |
| 2. 120° to 180° thermostat          | 9. 1½" water connections          |
| 3. High-limit control               | 10. Oversize drain valve          |
| 4. Diaphragm gas valve              | 11. Circulating loop connection   |
| 5. Gas Pressure Regulator           | 12. ASME rated T & P relief valve |
| 6. 100% safety shutoff on all gases | 13. Cast iron burners             |
| 7. Swing around draft diverter      | 14. 2" Fiberglass insulation      |
|                                     | 15. Magnesium anode rod*          |

## ENGINEERING INFORMATION

**1. STORAGE TANK** The tank of this water heater is lined with a double coating of high temperature glass formula. It is built for long life under any water conditions. A magnesium anode rod is installed at the factory\*.

**2. EXTERNAL FLUE DESIGN\*\*** External flue (full-floating) design utilizes entire outside surface of tank as a heat exchange area, giving lower BTU heat transfer per square inch. Absence of internal flues removes critical stress areas normally found in commercial water heaters, and leaves the bottom head completely accessible for easy cleaning.

**3. SPECIAL STEEL FLUE LINER** The flue liner in Floater V glass lined water heaters is made of special temperature and corrosion resistant steels. Will not warp or distort even under the most severe operating condition.

**4. FIBERGLAS INSULATION** A 2" blanket of Fiberglass insulation completely surrounds tank liner. The effectiveness of Fiberglass in preventing heat loss is well known, and its use assures high operating efficiency.

**5. HAND-HOLE CLEANOUT** A large hand-hole cleanout is standard equipment. The hand-hole opening is used for the removal of scale (lime), silt, sand, and other foreign materials which might accumulate. Opening is equipped with a glass coated cover plate and is sealed with a replaceable neoprene gasket.

**6. DRAFT DIVERTER** "Swing around" diverter allows connection to the outside flue from any direction. Saves time and installation expense, and allows the water heater (s) to be placed at any convenient angle. 45° vent connection allows either horizontal or vertical venting.

**7. TEMPERATURE CONTROL** Designed to shut off all gas if pilot light goes out. Thermo-magnetic automatic pilot—no moving parts to wear out. Accurate temperature control.

**8. CAST IRON BURNERS** Raised, drilled port, cast iron burners are designed for unusually high primary air injection. The resultant low flame mantle allows for the best use of the combustion chamber space, as well as minimizing any possibility of sooting.

**9. OVERSIZE DRAIN VALVE** Has far bigger internal openings to allow rapid draining of the tank for periodic inspection. A ¾" I.P.S. side opening is used for connecting the return line of building circulating loops.

**10. RELIEF VALVE** An ASME rated temperature and pressure relief valve is available with each unit. The valve is set for 150 psi pressure and 210° F. temperature.

**11. FACTORY-ASSEMBLY** Every model is completely assembled, and performance tested at the factory.

## APPROVALS AND RATINGS



1. These Ruud Floater V water heaters are fully approved by the American Gas Association Laboratories: a) As an automatic storage water heater (Model GL75-360-1 only as instantaneous water heater), b) As an automatic circulating tank water heater, c) For operation at 180°, d) For operation on combustible floors.

2. Ruud Floater V water heaters are hydrostatically pressure tested and rated for 150 psi working pressure.

3. Ruud Floater V Models GL85-240-1 and GL75-360-1 are available with construction in accordance with the requirements of the ASME Boiler and Pressure Vessel Code.

4. Ruud Floater V water heaters are constructed in accordance with Standards No. 5 of the National Sanitation Foundation, and are Approved-Listed for use with all types of dish-washing machines when installed with special leg extensions.

\*3 rods on Model GL75-360-1.

\*\*Plus 3 flues on Model GL75-360-1.

# FLOATER V GLASSLINED COMMERCIAL GAS WATER HEATERS



## 5 YEAR WARRANTY

Five-year warranty. In the first two years a defective tank will be replaced with a new water heater and in the next three years at 60%, 75% and 90% of the current retail price of the replacement. Defective parts will be replaced in first year. Cost of local delivery, labor and materials are not covered.



MODELS  
GL85-150-1  
GL85-200-1  
GL85-240-1



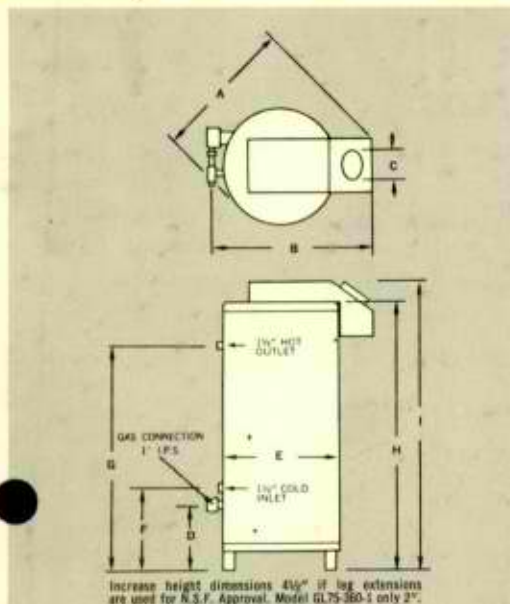
MODEL  
GL75-360-1



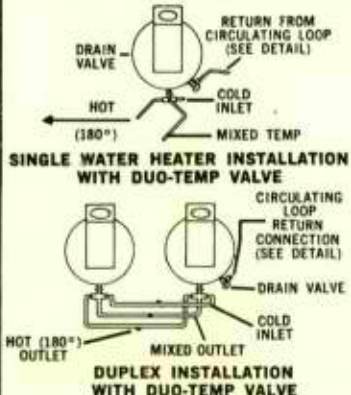
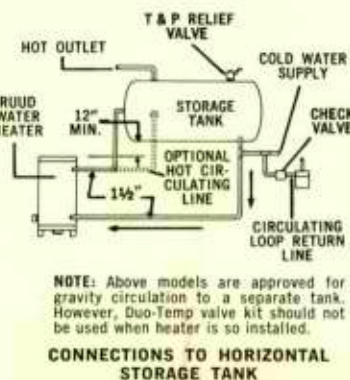
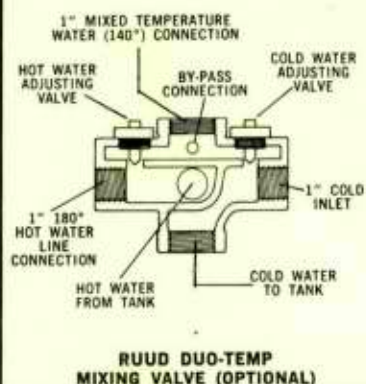
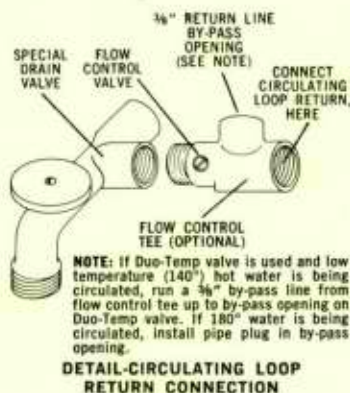
# RUUD



## ENGINEERING DETAILS



Model	A	B	C	D	E	F	G	H	I
GL75-360-1	36 3/4	45 3/8	8 1/4	16 1/4	28 1/4	26 1/4	71 3/4	77	83 1/2
GL85-240-1	36 3/4	39 7/8	7 1/4	14 1/2	28 1/4	23 3/4	69 1/4	74 3/4	81 1/4
GL85-200-1 (L.P.)	35 3/4	38 7/8	7 1/4	14 1/2	26 1/4	21 3/4	67 1/4	73	79 1/2
GL85-150-1	33 3/4	36 3/8	7 1/4	14 1/2	26 1/4	21 3/4	67 1/4	73	76



## RECOVERY CAPACITIES

Model	Type of Gas	Input BTU/hr.	Tank Gallons	Recovery in Gal./hr. at Various Temperature Rises												Standard Weight	ASME Weight
				40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°			
GL75-360-1	CITY GASES	360,000	75	756	605	504	432	378	336	302	275	252	233	216	680 lbs.	830 lbs.	
GL75-340-1	PROPANE	340,000	75	714	564	476	408	357	317	285	260	238	220	204	680 lbs.	830 lbs.	
GL75-300-1	BUTANE	300,000	75	630	498	420	360	315	280	252	229	210	194	180	680 lbs.	830 lbs.	
GL85-240-1	NATURAL MIXED, MFD., PROPANE*	240,000	85	504	403	336	288	252	224	202	183	168	155	144	600 lbs.	735 lbs.	
GL85-200-1	ALL**	199,900	85	420	336	280	240	210	187	168	153	140	129	120	545 lbs.	—	
GL85-150-1	ALL**	150,000	85	315	252	210	180	158	140	126	115	105	97	90	543 lbs.	—	

\* Not available for butane gas, or L.P.-air gas. \*\* Not available for L.P.-air gas.

## SAMPLE SPECIFICATIONS

Water heater(s) shall be Ruud Floater V Model having gas input of \_\_\_\_\_ BTU/hr. and a recovery rate of \_\_\_\_\_ GPH at a 100° temperature rise. Water heater(s) shall have the A.G.A. seal of approval. Water heater(s) shall be furnished with a tank lined with a double coating of high temperature glass and furnished with a magnesium anode rod\* rigidly supported. Tanks shall have a working pressure rating of 150 psi, and shall be equipped with a boiler-type hand-hole cleanout. Water heater(s) shall be of external flue design\*\*, and completely factory assembled, including a pressure regulator properly adjusted for operation on \_\_\_\_\_ gas; cast iron, raised drilled port burners; and a factory supplied ASME rated, temperature and pressure relief valve. Controls will be arranged for 100% safety shutoff in event of pilot failure. Complete unit shall be insulated with a 2" blanket of Fiberglas. Water heater(s) shall be covered by a five year warranty from the manufacturer.

(add for ASME construction)

Water heater(s) shall be constructed in accordance with the

\*3 rods on Model GL75-360-1.

\*\*Plus 3 flues on Model GL75-360-1.

requirements of the ASME Boiler and Pressure Vessel Code.

(Add this paragraph when 2, 3, or 4 water heaters are manifolded together)

Ruud pre-fabricated manifolds shall be used to interconnect the water heaters. Manifolds shall be installed so that water flow through water heaters is exactly equal.

(Add for two temperature systems)

Ruud Duo-Temp valve kit shall be installed on water heater(s): 180° water line shall be connected to Duo-Temp valve opening marked "hot"; building general purpose hot water line shall be connected to opening marked "mixed"; cold water supply shall be connected to opening marked "cold."

(Add if a hot water circulating loop is to be used)

The return line from either a mixed or 180° circulating loop shall be connected to the side opening of the water heater drain valve. A check valve shall be installed in return line.

**Ruud Manufacturing Company • Chicago, Illinois**  
Division of Rheem Manufacturing Company

"In keeping with its policy of continuous progress and product improvement, Ruud Manufacturing Company reserves the right to make changes without notice."

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