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Water heaters
Catalogue

2004

The installation of all HEIZER water heaters must be in accordance with the relevant requirements of the gas safety regulations, the building regulations and the water bylaws.

Consideration must be given to any updates amendments of the above standards

It is law that all gas appliances be installed by a competent person in accordance with the Gas Safety Regulations.

HEIZER water heaters should only be used in the manner and purpose for which they were intended and in accordance with the instruction manual.

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HEIZER 30 years of hot water

HEIZER water heaters have grown since starting as a small manufacturing facility in the 1970's, and has been associated with quality water heating products for several years.

With its quality proven manufacturing base in Milan, in the north of Italy, HEIZER is ideally located to support its well-established products with a service that is second to none with technical support, service, accounts and general administrative staff.

The basic design principles of our units offer energy efficient operation. HEIZER products and service support is staffed with fully experienced personnel that are committed to assisting you every step of the way.

HEIZER products portfolio now comprises of different models suitable for natural, propane gas

and electric. These comprise of G, GE, GP, GPE, TGF, GT, GAN, GAFF, E, ET, EHP, EV, EO.

All HEIZER water heaters have a range of ancillary equipment designed for the specific needs of today's ever changing market.

For the continuous production of hot water HEIZER is the perfect choice

Stringent quality checks are made on all manufacturing procedures to ensure the highest quality of water heating is supplied to you. HEIZER is leader in Europe for quality and product development.

HEIZER is available to offer excellent technical advice as well as size units, and to give advice on installation of its product. Our service department is able to provide commissioning of all products to ensure safe installation and usage.



HEIZER products carry the **CE** approval.

This catalogue lists most of the models available, from permanent pilot to electronic ignition.

HEIZER - Future

Already HEIZER have plans in place to introduce further new equipment to the market with emphasis being placed upon efficiencies and environmental issues. As with the efficiency and the particular requirements of specifiers this will be a major consideration in selection of these products. Since it is our policy to strive for progression design and performance, all our equipment is subject to change without notice.

CLIENT BASE

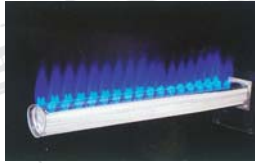
HEIZER water heaters have been supplied at many blue chip companies all over Europe, that have benefited from the proven technology and reliability of our water heating products. These clients include:

- Tesco superstores
- Whitehall Cabinet Offices
- Heathrow Airport
- Malpensa Airport
- Holiday Inn Hotels
- Intercontinental Hotels
- Olympic Stadium in Rome
- "G.Meazza" Stadium in Milan
- Mc Donald Restaurants
- Club Meditteraneè Resorts



HEIZER Care and attention in production

Security/Safety



Each water heater is manufactured with safety utmost in mind. Multifunctional gas valves with **high limit cut-out** and an exhaust fume control device (**DCF**) on all models prevent accidental gas and combustion fume leakage. All water heaters carry the CE mark for proven safety. Flue spillage devices, pressure relief valves, ECO and **hi limit thermostats** form part of our safety policy.

Quality



HEIZER uses only the **highest quality components** when manufacturing its products. All materials have been sourced to provide the most reliable of use regardless of cost. All water heaters **are tested and checked several times** during the production run, so that any construction faults or functional defects are eliminated.

Bespoke Design



HEIZER is able to offer water heaters not only from stock but also offer a **"Bespoke service"**. This will allow the client to have manufactured the unit size they require with the right kW power. **Commissioning** and **after sales service** can be provided to support the installation engineers. Factory trained engineers are able to give advice on design or technical aspects of an installation on request.

Economy



All HEIZER units are manufactured with economy in mind. With **larger storage capacities** and **lower kW**, emphasis is given to the effect of the climate. **Electronic units** are fitted with a **digital time control**. This ensures the unit only fires and burns gas when the client requires hot water.

Choosing the correct water heater

To achieve higher continuous outputs it is possible to link more than one water heater per application. We call this installation multiples.

Typical applications



**Hospitals,
Nursing Homes**



Schools, Universities



Factories, Warehouse



Sports Centres



Hostels



Camping Sites



**Gymnasium,
Leisure Centres**



Hotels



Restaurants



**Hairdressers,
Beauty Salons**



Private Dwellings

Technical Aspect

It is important to consider all the technical requirements of the water heater(s) to ensure the correct size water heater caters for the demands that are required on application. Whether you require low storage with high burner power or high storage low burner power HEIZER are able to offer either. We are sure to find you the most suitable product(s) for your application, ensuring you gain maximum efficiencies and ultimate performance for any application.

Sizing Considerations

We realise the demands that Consultants and Contractors have at the design and selection stage, so offering solutions to potential problems is what we are all about. Having qualified selection personnel on hand to answer technical or installation queries should any arise. It may be useful to bear in mind some applications may be suited to two smaller units linked that will give the same duty as one. An example of this is a nursing homes water heater requires servicing the engineer can isolate one water heater while the other carries on its duty the nursing home can still work with hot water rather than none at all.

Control Compatibility

On selection of water heater(s) careful consideration must be given to the desired control of the unit. An example of this does the water heater(s) need to be linked to time control, Building Management System or circulating pump? If so it is recommended that our electronic ignition model be used, or if simple system is required we recommend our permanent pilot, which will keep the water at a constant temperature all day all night.

TGF SERIES



Technical data on page. 20 - Dimensions on page. 25

Storage: 220 - 400 litres
Continuous output: 564 - 963 litres
Heating time: 17' - 32'



The TGF range of water heaters are of the **balanced flue** type, and are fully room sealed. This range offers the ideal solution where conventional flue runs are difficult. With an **efficiency** of over 90%, is highly efficient drawing air for combustion directly from outside.

This range, with the option of 220, 300 and 400 litres storage and ranging from 26-31 kW, is fully packaged, therefore requiring minimum installation.



A Digital electronic temperature programmer together with an Anode tester is fitted as standard on these units.

The Fan allows distribution of flue products of combustion.



Dimensioni e caratteristiche possono essere modificate dal costruttore



These models offer significant installation **cost savings** when compared with conventional flue models. They are particularly suited to kitchen applications. The TGF range is a fully packed unit and only requires connection to **water, gas** and the **flue system**.

The TGF range can be installed in **multiples** if a higher storage capacity is required. The small footprint of this range means whether installed singularly or in multiples the area taken up by the water heaters is minimal.

All models have **electronic ignition** and come complete with a one metre length of **concentric flue**, flue terminal, 7 day temperature programmer and an anode tester.

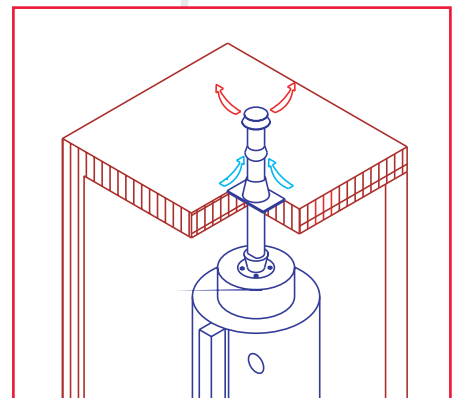
Magnesium anodes are fitted for added protection against corrosion.

Horizontal, vertical or twin flue options are available. The outer flue is epoxy coated.

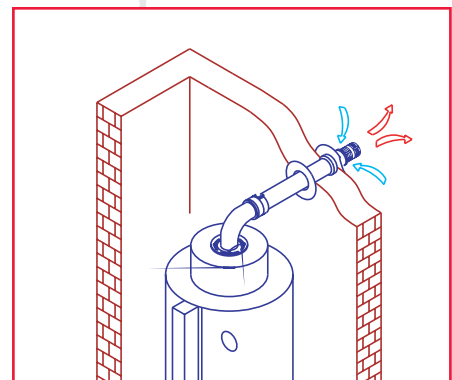
The **coaxial flue system** will draw the combustion air from outside, bringing it into the sealed combustion area. This increases the efficiency of the unit.

All models carry the **CE** approval.

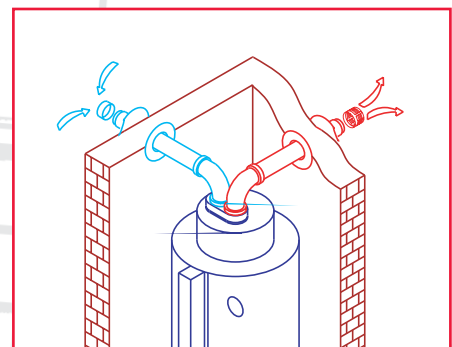
Examples of flue installations



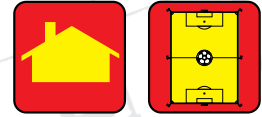
Vertical flue



Horizontal flue



Twin flue



Technical data on page. 20 - Dimensions on page. 26

Storage: 150 - 2000 litres
Continuous output: 240 - 1028 litres
Heating time: 27' - 151'



The G range of water heaters are conventional flue type, tested and certified for use with natural gas and LPG. All models carry the **CE** approval.

The G range have **piezo ignition**, high limit stat, control stat and are equipped with stainless steel burner offering a high level of efficiency. This operates in conjunction with a permanent pilot and thermocouple. The **gas valve** is fitted with a thermostat and an **ECO** (Energy Cut Off), which is activated in the event of thermostat failure. There is also a **magnesium anode** fitted for added protection against corrosion. The **insulation** is in high density mineral glass wool between the storage tank and outer casing.

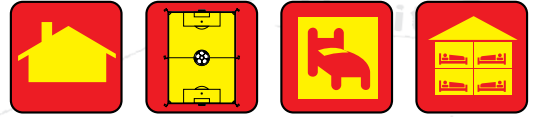
The G range of water heaters must be installed in such a position as to allow adequate air supply for combustion and ventilation.

The G range can be installed in a **singular** or **multiple** configuration. By linking more units together will increase the storage capacity and well as the **continuous output**, thus catering for the most demanding of applications.

All units are free standing and need very **little installation**, with connections to water gas and the flue system required. A full technical service is available.



The gas valve is fitted with a thermostat and an ECO (Energy Cut Off)



Technical data on page 21 – Dimensions on page 27

Storage: 150 - 2000 litres
Continuous output: 240 - 1028 litres
Heating time: 27' - 151'

The GT model comes with the same technical benefits of our G series with the added feature of an **indirect heating coil**.

When installing a GT model, the indirect coil can be connected to a heating boiler to assist with continuous output or act as a **“boost”** to cater for inconsistent loads.

This model is extremely useful when space is a premium within the boiler room, for example some applications such as nursing homes or schools very often utilise two water heaters.

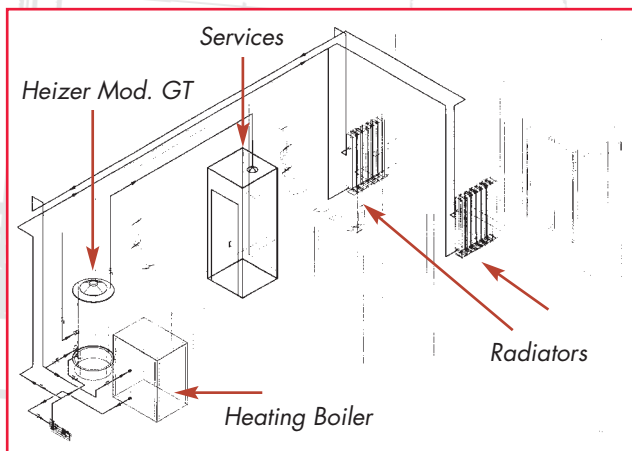
In the event of a flame or burner failure, one unit will part satisfy the demand until the technician can attend site.

Should the GT model suffer a flame or burner failure, utilising the indirect coil will prevent the building from suffering from a lack of hot water.

The GT version can also be used with **electronic ignition**. This model reference would be GTE.



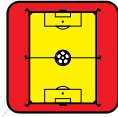
Example of application



The heating boiler uses its primary hot water to heat the heater coil through its secondary water supply



The coil fitted is a copper heat exchanger



Technical data on page 21 – Dimensions on page 28

Storage: 150 - 2000 litres

Continuous output: 240 - 1028 litres

Heating time: 27' - 151'



The electronic version of the conventional flue G range. This range is equipped with an **electronic gas valve** with flame ionisation instead of a pilot flame.

The heaters are fitted with a **flame sensing electrode** and **safety thermostat**. It is also possible to programme the water heater if peak demands are required at certain times in the day.

It is also possible to connect the water heater to **BMS (Building Management Systems)** with volt free contacts.

The GE range offers an advantage over the permanent pilot

- Lower running costs

There is also a **magnesium anode** fitted for added protection against corrosion.

The GE range of water heaters must be installed in such a position as to allow adequate air supply for combustion and ventilation.



The 830 TANDEM gas valve is supplied with two security devices

A digital electronic temperature programmer is fitted as standard on these units





Technical data on page. 22 - Dimensions on page. 29

Storage: 300 - 2000 litres
Continuous output: 1032 - 2394 litres
Heating time: 13' - 67'

The GP model offer **high output burners** which will cater for all commercial and industrial demands. It is recommended when very large quantities of hot water are needed.

The GP series can be installed singularly or in multiples should the application require larger peak demands.

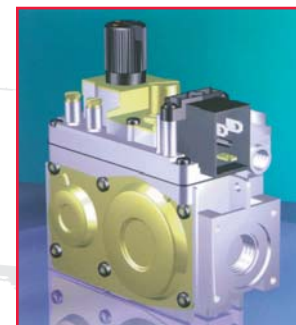
It is provided with an **electro-valve**, **double** thermostats with graduated scale and stainless steel all gas burners with **pilot flame**, whilst functioning is controlled by a thermocouple. It can be connected to a **BMS panel** or time control without the need of a separate solenoid valve. With the built in **control thermostat** and **hi-limit stat** the GP is a fully independent and packaged water heater.

Safety is the essence of a HEIZER product, an example of this is the **DCF** flue spillage sensor, which interrupts the gas flow to the burner in case of exhaust or combustion leakage. The **DCF** will cut the gas supply to the water heater thus **eliminating the danger** to occupants of the building.

The **magnesium anodes** are easily accessible and are an effective cathodic protection against corrosion.

The **up-rated** of the GP series ensure a high continuous output whilst maintaining high efficiencies and **low nox** levels.

Fully complying with **CE** approval.



The electric gas valve is supplied with two security devices



Technical data on page. 22 - Dimensions on page. 29

Storage: 300 - 2000 litres

Continuous output: 1032 - 2394 litres

Heating time: 13' - 67'



HEIZER **GPE** water heaters are available in 6 models.

The GPE range of water heaters is a high storage water heater. It is recommended when very **large quantities of hot water** are needed. This model has all the advantages and benefits as the GP range.

The GPE is provided with an **electronic gas valve** with **flame ionisation** instead of a pilot flame, **double** thermostats (for control and hi-limit) with graduated scale and stainless steel all gas burners.

It is also possible to **programme the water heater** if peak demands are required at certain times in the day.

All HEIZER water heaters are fitted with a **DCF** device (flue spillage control) which interrupts the gas flow to the burner in case of exhaust or combustion leakage.

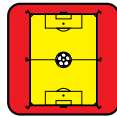
The **magnesium anodes** are easily accessible and are an effective cathodic protection against corrosion

CFC free mineral wool insulation ensures that standby losses are minimal.

A digital electronic temperature programmer is fitted as standard on these units



XP-8 SERIES



Technical data on page. 22 - Dimensions on page. 30

Storage: 750 litres
Continuous output: 3818 litres
Heating time: 12'

The **XP-8** gas fired storage water heaters offer the designers and end users **vast amounts** of hot water with an **incredible recovery rate**. The storage of 750 litres can be achieved **within 12 minutes**.

The XP -8 comes with **two gas valves** in-line therefore offering excellent service and maintenance requirements. The two gas valves produce an impressive **129 kW** of power.

Both gas valves are linked to one **hi-limit** and **control stat** making it a user friendly water heater.

Almost all applications can be serviced by **using one or more XP-8** due to its high storage and high quantity hot water production.

Available only at present with **permanent pilot ignition** and galvanised tank.

The XP-8 is fitted with a flue spillage device (**DCF**) which interrupts the gas flow to the burner in case of exhaust or combustion leakage.



The use of twin gas valves permits the water heater to run also with 50% power.

E/EHP/ET SERIES



Technical data on page. 22/23 - Dimensions on page. 31/32

Models E/ET

Storage: 150 - 2000 litres

Power: 1,5 - 20 kW



E/ET series



EHP series

Models EHP

Storage: 200 - 500 litres

Power: Up to 32 kW

The **E (normal power)** electric water heaters and the **EHP (high power)** electric water heaters are a storage type system.

Ideally suited to areas where natural gas or LPG is unavailable. All the units are fitted with a **control thermostat** as well as **high-limit cut off stat** for added security. For **E/ET** water heaters over 3 kW you are required to install one electric **control panel** consisting of **internal wiring** and a 240 or 415 V **contactor**. On the **EHP** series the **control panel** is included.

The **outer jacket** provides an ascetically pleasing view as well as covering the insulation fibre. **Heating element(s)** can be installed on the **EHP** series to provide numerous **power options** via 240 V or 415 V 3 phase supplies.

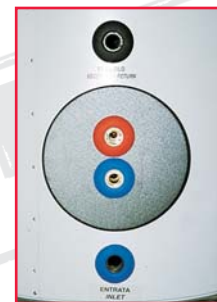
The **power options** on the **EHP** series are:

200-300 litres: 6, 8, 12, 16, 18, 24, or 32 kW

400-500 litres: 12, 16, 18, 24 or 32 kW

ET SERIES

The **ET** offers all features and benefits of the E series with the capability of having an **indirect heating coil** fitted. The coil when connected to a heating boiler will provide an **addition** to the continuous output of the water as well as offering a **"boost"** facility to cater for inconsistent loads.



Model ET
The external view
of the primary
connections



Technical data on page. 23 - Dimensions on page. 32

Storage: 50 - 120 litres
Power: 4,7 - 6,7 kW

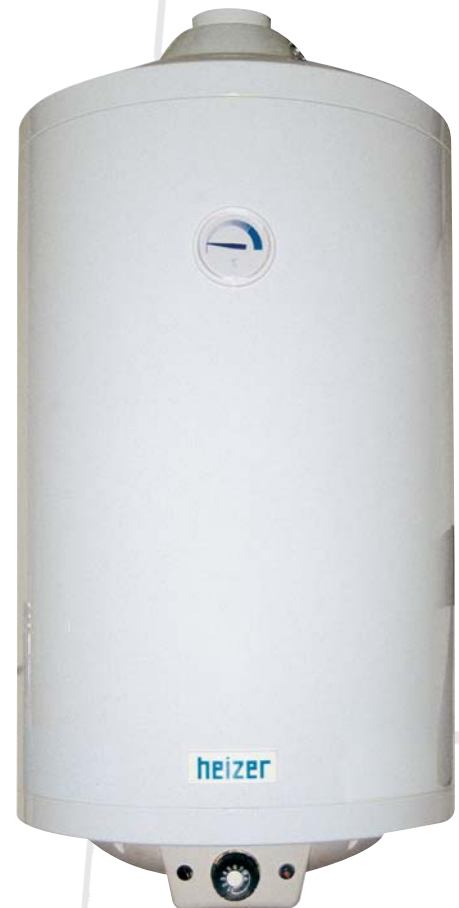
The **GAN** models are a gas **wall mounted conventional flue** water heater ideally suited to low point of use demands in **small commercial/domestic applications** where a small amount of storage is required to overcome peak demands.

The water heaters are fitted with **piezo** electric ignition and with a thermocouple connected to the gas valve. To comply with **CE** all units are fitted with a **flue safety thermostat (DCF)** in order to prevent flue spillage into the water heater location.

With storage capacities of **50 - 120 litres** and kW of **4.7 - 6.7** the GAN offer a sensible solution to smaller applications.

For **higher continuous outputs** we recommend that **multiples** be used.

The GAN water heater(s) are fully **glass-lined** and are backed by a 2 years warranty.



GAFF SERIES



Technical data on page. 23 - Dimensions on page. 30

Storage: 80 - 120 litres
Power: 5 kW



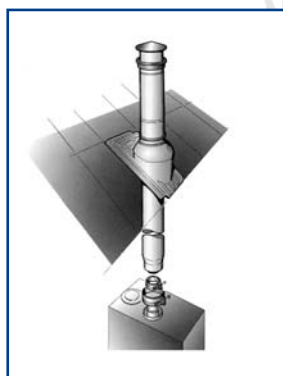
The GAFF is a wall mounted fully **room sealed** gas fired water storage heater, especially designed for an internal point of use. The GAFF offers a **fully automatic ignition** thus saving energy and costs by **eliminating the pilot flame**.

The flue is of concentric type and can be installed in a **horizontal** or **vertical** plan, making choosing a location easy. A **twin** flue system is also available.

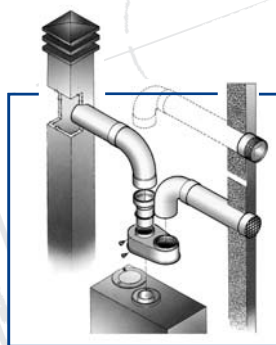
The water tank is **vitreous enamelled** lined and has a storage option of **80** and **120** litres.

For applications requiring **larger continuous outputs** the GAFF can be installed in **multiples**.

The GAFF provides **low nox** burners and due to its low power, small emissions. Maximum **horizontal flue** 3 meters and **vertical** 3 meters reducing by 1 meter for every bend that is used.



Vertical Flue



Twin Flue



Horizontal Flue

ELECTRIC SERIES



Technical data on page. 24 - Dimensions on page. 33/34

Vertical Version :
Horizontal Version:
Thermo Vertical Version:
Thermo Horizontal Version:

EV and EP series
EO series
EV-T and EP-T series
EO-T series



Mod. EV-30 circular

This range is designed and built to produce **small quantities of hot water** quickly and economically. All the models are compact and can be installed where space is limited and fitted near hot water outlets. This gives **savings on plumbing costs** and reduces **heat loss** in pipelines.

Technical Characteristics

- Tank is made of **porcelain glazing**. The end plate profile is designed for **high resistance** to internal pressures.
- Suitable **for over and/or under-sink** operation.
- **Magnesium anodes** offer supplementary protection against corrosion.
- Heating element: single phase, with the **power rating** 1.2 – 3 kW (upon request).
- **Thermostat** is adjustable **stem-type** with safety device protecting against excess temperatures.
- **Safety valve** set at **8 bar** and included in every appliance.
- **Insulation** made using high-strength and high-density **polystyrene shells** with high insulating capacity to reduce heat loss.
- Wall fastening by hooking to the rear bracket

The HEIZER water heaters have been designed and built to give **efficient** and **reliable service**, however the heater will only operate at maximum efficiency if the **correct installation** and **servicing procedures** are followed.



Mod. EV-10/15/30



All Heizer water heaters have been approved and certified to the highest European standards.

TGF SERIES

Model	TGF-2	TGF-3	TGF-4
Storage lt	220	300	400
Gross Weight kg	163	195	235
Net Weight kg	141	170	210
Packing Dimensions cm			
H	1830	2020	2200
W	790	790	830
D	790	790	830
Gas inlet Ø	1/2"	1/2"	1/2"
Voltage V	220/240	220/240	220/240
Maximum working pressure bar	6	6	6
Gas consumption natural m3/h	2,76	3,12	3,12
LPG kg/h	2,05	2,31	2,31
Heat input kW	26	31	31
Heating time $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ min	23' / 17'	25' / 18'	32' / 23'
Continuous rate $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ lt/h	564 / 790	688 / 963	688 / 963

G SERIES

Model	G-1	G-2	G-3	G-4	G-5	G-6	G-8	G-10	G-15	G-20
Storage lt	150	200	300	400	500	600	800	1000	1500	2000
Gross Weight kg	78	90	153	163	185	233	290	332	453	547
Net Weight kg	71	82	127	136	154	194	241	276	377	456
Packing Dimensions cm										
H	145	170	183	183	212	220	203	203	228	255
W	65	65	78	82	82	89	110	120	130	140
D	65	65	78	82	82	89	110	120	130	145
Gas inlet Ø	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Gas consumption natural m3/h	1,16	1,16	2,68	2,68	2,68	2,68	3,49	3,49	3,49	3,49
LPG kg/h	0,86	0,86	1,99	1,99	1,99	1,99	2,59	2,59	2,59	2,59
Maximum working pressure bar	6	6	6	6	6	6	6	6	6	6
Heat input kW	11,6	11,6	26,7	26,7	26,7	26,7	34,8	34,8	34,8	34,8
Tank protection	Vitreous enamel at 870°C					Hot dip galvanised				
Heating time $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ min	38'/27'	49'/35'	31'/22'	39'/28'	48'/34'	62'/44'	66'/47'	82'/58'	118'/85'	151'/108'
Continuous rate $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ lt/h	240/337	240/337	562/787	562/787	562/787	562/787	734/1028	734/1028	734/1028	734/1028

GT SERIES

Model	GT-1	GT-2	GT-3	GT-4	GT-5	GT-6	GT-8	GT-10	GT-15	GT-20
Storage lt	150	200	300	400	500	600	800	1000	1500	2000
Gross Weight kg	86	98	163	173	195	248	305	347	473	567
Net Weight kg	79	88	137	146	164	209	256	291	397	476
Packing Dimensions cm										
H	145	170	183	183	212	220	203	203	228	255
W	65	65	78	82	82	89	110	120	130	140
D	65	65	78	82	82	89	110	120	130	145
Gas inlet Ø	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Gas consumption natural m ³ /h	1,16	1,16	2,68	2,68	2,68	2,68	3,49	3,49	3,49	3,49
LPG kg/h	0,86	0,86	1,99	1,99	1,99	1,99	2,59	2,59	2,59	2,59
Maximum working pressure bar	6	6	6	6	6	6	6	6	6	6
Heat input kW	11,6	11,6	26,7	26,7	26,7	26,7	34,8	34,8	34,8	34,8
Tank protection	Vitreous enamel at 870°C					Hot dip galvanised				
Heating time $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ min	38'/27'	49'/35'	31'/22'	39'/28'	48'/34'	62'/44'	66'/47'	82'/58'	118'/85'	151'/108'
Continuous rate $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ lt/h	240/337	240/337	562/787	562/787	562/787	562/787	734/1028	734/1028	734/1028	734/1028
Thermo exchanger surface m ²	0,79	0,79	1,20	1,20	1,20	1,20	1,79	1,79	2,27	2,27
Exchanger efficiency $\Delta t=35^{\circ}\text{C}$ lt/h	329	329	501	501	501	501	747	747	948	948

GE SERIES

Model	GE-1	GE-2	GE-3	GE-4	GE-5	GE-6	GE-8	GE-10	GE-15	GE-20
Storage lt	150	200	300	400	500	600	800	1000	1500	2000
Gross Weight kg	78	90	153	163	185	233	290	332	453	547
Net Weight kg	71	82	127	136	154	194	241	276	377	456
Packing Dimensions cm										
H	145	170	183	183	212	220	203	203	228	255
W	65	65	78	82	82	89	110	120	130	140
D	65	65	78	82	82	89	110	120	130	145
Gas inlet Ø	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Voltage V	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240
Gas consumption natural m ³ /h	1,16	1,16	2,68	2,68	2,68	2,68	3,49	3,49	3,49	3,49
LPG kg/h	0,86	0,86	1,99	1,99	1,99	1,99	2,59	2,59	2,59	2,59
Maximum working pressure bar	6	6	6	6	6	6	6	6	6	6
Heat input kW	11,6	11,6	26,7	26,7	26,7	26,7	34,8	34,8	34,8	34,8
Tank protection	Vitreous enamel at 870°C					Hot dip galvanised				
Heating time $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ min	38'/27'	49'/35'	31'/22'	39'/28'	48'/34'	62'/44'	66'/47'	82'/58'	118'/85'	151'/108'
Continuous rate $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ lt/h	240/337	240/337	562/787	562/787	562/787	562/787	734/1028	734/1028	734/1028	734/1028

GP/GPE/XP-8 SERIES

Model	GP-3	GP-4	GP-5	GP-8	GP-10	GP-20	GPE-3	GPE-4	GPE-5	GPE-8	GPE-10	GPE-20	XP-8
Storage lt	300	400	500	800	1000	2000	300	400	500	800	1000	2000	750
Gross Weight kg	164	198	234	332	371	586	164	198	234	332	371	586	400
Net Weight kg	137	165	195	277	309	489	137	165	195	277	309	489	345
Packing Dimensions cm													
H	183	212	217	203	203	255	183	212	217	203	203	255	216
W	82	82	89	110	120	140	82	82	89	110	120	140	120
D	82	82	89	110	120	140	82	82	89	110	120	140	120
Gas inlet Ø	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"
Voltage V	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240
Gas consumption natural m ³ /h	4,92	4,92	5,82	8,12	8,12	8,12	4,92	4,92	5,82	8,12	8,12	8,12	12,95
LPG kg/h	3,65	3,65	4,32	6,03	6,03	6,03	3,65	3,65	4,32	6,03	6,03	6,03	n.d.
Maximum working pressure bar	6	6	6	6	6	6	6	6	6	6	6	6	6
Heat input kW	49	49	58	81	81	81	49	49	58	81	81	81	129
Tank protection	Vitreous enamel at 870°C				Hot dip galvanised		Vitreous enamel at 870°C				Hot dip galvanised		
Heating time $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ min	18'/13'	23'/17'	25'/18'	29'/21'	36'/26'	67'/48'	18'/13'	23'/17'	25'/18'	29'/21'	36'/26'	67'/48'	17'/12'
Continuous rate $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ lt/h	1032/1445	1032/1445	1221/1709	1710/2394	1710/2394	1710/2394	1032/1445	1032/1445	1221/1709	1710/2394	1710/2394	1710/2394	2727/3818

E/ET SERIES

Model	E-1/ET-1	E-2/ET-2	E-3/ET-3	E-4/ET-4	E-5/ET-5	E-6/ET-6	E-8/ET-8	E-10/ET-10	E-15/ET-15	E-20/ET-20
Storage lt	150	200	300	400	500	600	800	1000	1500	2000
Gross Weight kg	65	80	105	130	170	185	250	320	410	470
Net Weight kg	58	72	89	110	144	155	212	275	350	395
Packing Dimensions cm										
H	124	149	151	161	191	201	209	205	211	239
W	65	65	78	82	82	89	100	110	130	140
D	65	65	78	82	82	89	100	110	130	140
Power* W	1500	2000	3000	4000	5000	6000	8000	10000	16000	20000
Voltage V	220	220	220 or 380	220 or 380	220/380	220/380	220/380	220/380	220/380	220/380
Maximum working pressure bar	6	6	6	6	6	6	6	6	6	6
Tank protection	Vitreous enamel at 870° C					Hot dip galvanised				
Heating time $\Delta t=35^{\circ}\text{C} / \Delta t=25^{\circ}\text{C}$ h	4h 10'/3 h	4h 05'/2h 55'	4h/2h 50'	4h 05'/2h 55'	4h/2h 50'	4h 10'/3h	4h 10'/3h	4h 05'/2h 55'	3h 50'/2h 45'	3h 55'/2h 50'
Model	ET-1	ET-2	ET-3	ET-4	ET-5	ET-6	ET-8	ET-10	ET-15	ET-20
Thermo exchanger surface m ²	0,79	0,79	1,20	1,20	1,20	1,20	1,79	1,79	2,27	2,27
Exchanger efficiency $\Delta t=35^{\circ}\text{C}$ lt/h	329	329	501	501	501	501	747	747	948	948

*The E/ET range are shown with the normal kW power. It is possible to have higher kW in all E/ET models upon request.

EHP SERIES

Model	EHP-2	EHP-3	EHP-4	EHP-5
Storage lt	200	300	400	500
Gross Weight kg	65	80	105	130
Net Weight kg	58	72	89	110
Packing Dimensions cm				
H	124	149	151	161
W	65	65	78	82
D	65	65	78	82
Power kW	from 6 to 32	from 6 to 32	from 12 to 32	from 12 to 32
Voltage V	240/415	240/415	240/415	240/415
Maximum working pressure bar	6	6	6	6
Tank protection	Vitreous enamel at 870° C			
Heating time $\Delta t=35^{\circ}\text{C}$	see chart for complete specification			

Model	Power kW	N° elem.	Heating time $\Delta t=35^{\circ}\text{C}$
EHP-2	6	1x6	1h 20'
	8	1x8	1h 05'
	12	2x6	41'
	16	2x8	31'
	18	3x6	27'
	24	3x8	21'
EHP-3	32	4x8	16'
	6	1x6	2h
	8	1x8	1h 30'
	12	2x6	1h
	16	2x8	45'
	18	3x6	40'
EHP-4	24	3x8	30'
	32	4x8	23'
	12	2x6	1h 21'
	16	2x8	1h 03'
	18	3x6	54'
EHP-5	24	3x8	41'
	32	4x8	31'
	12	2x6	1h 40'
	16	2x8	1h 15'
	18	3x6	1h 07'
	24	3x8	50'
	32	4x8	38'

GAN SERIES

Model	GAN-5	GAN-8	GAN-10	GAN-12
Storage lt	50	80	100	120
Gross Weight kg	22	31	35	39
Net Weight kg	20	28	32	36
Packing Dimensions cm				
H	63	91	99	113
W	49	49	49	49
D	49	49	49	49
Gas inlet \varnothing	1/2"	1/2"	1/2"	1/2"
Maximum working pressure bar	8	8	8	8
Gas consumption natural m ³ /h	0,61	0,80	0,80	0,86
LPG kg/h	0,30	0,39	0,39	0,42
Heat input kW	4,7	6,2	6,2	6,7
Heating time $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ min	28' / 20'	38' / 27'	44' / 32'	50' / 36'
Continuous rate $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ lt/h	96 / 134	128 / 179	128 / 179	135 / 189

GAFF SERIES

Model	GAFF-8	GAFF-12
Storage lt	80	120
Gross Weight kg	49	74
Net Weight kg	46	70
Packing Dimensions cm		
H	110	148
W	53	53
D	54	54
Gas inlet \varnothing	1/2"	1/2"
Voltage V	220/240	220/240
Maximum working pressure bar	6	6
Gas consumption natural m ³ /h	0,50	0,50
LPG kg/h	0,37	0,37
Heat input kW	5,0	5,0
Heating time $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ min	39' / 28'	60' / 43'
Continuous rate $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ lt/h	115 / 161	115 / 161

EP SERIES

EP-T

EV

Model	EP-1	EP-2	EO-1	EO-2	EP-T-1	EP-T-2	EV-10	EV-15	EV-30
Storage lt	150	200	150	200	150	200	10	15	30
Gross Weight kg	54	72	54	72	71	89	6,1	8,4	10,8
Net Weight kg	48	66	48	66	65	83	5,7	7,6	9,7
Packing Dimensions cm									
H	114	140	114	140	114	140	48	54	61
W	61	61	61	61	61	61	26	30	37
D	61	61	61	61	61	61	25	29	36
Power W	1500	2000	1500	2000	1500	2000	1200	1200	1200
Voltage V	220	220	220	220	220	220	220	220	220
Maximum working pressure bar	8	8	8	8	8	8	8	8	8
Heating time $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ min	4h 07'/2h 57'	4h 07'/2h 57'	4h 07'/2h 57'	4h 07'/2h 57'	4h 07'/2h 57'	4h 07'/2h 57'	28'/16'	46'/32'	1h 03'/45'
Thermo exchanger surface m ²	-	-	-	-	1,2	1,2	-	-	-

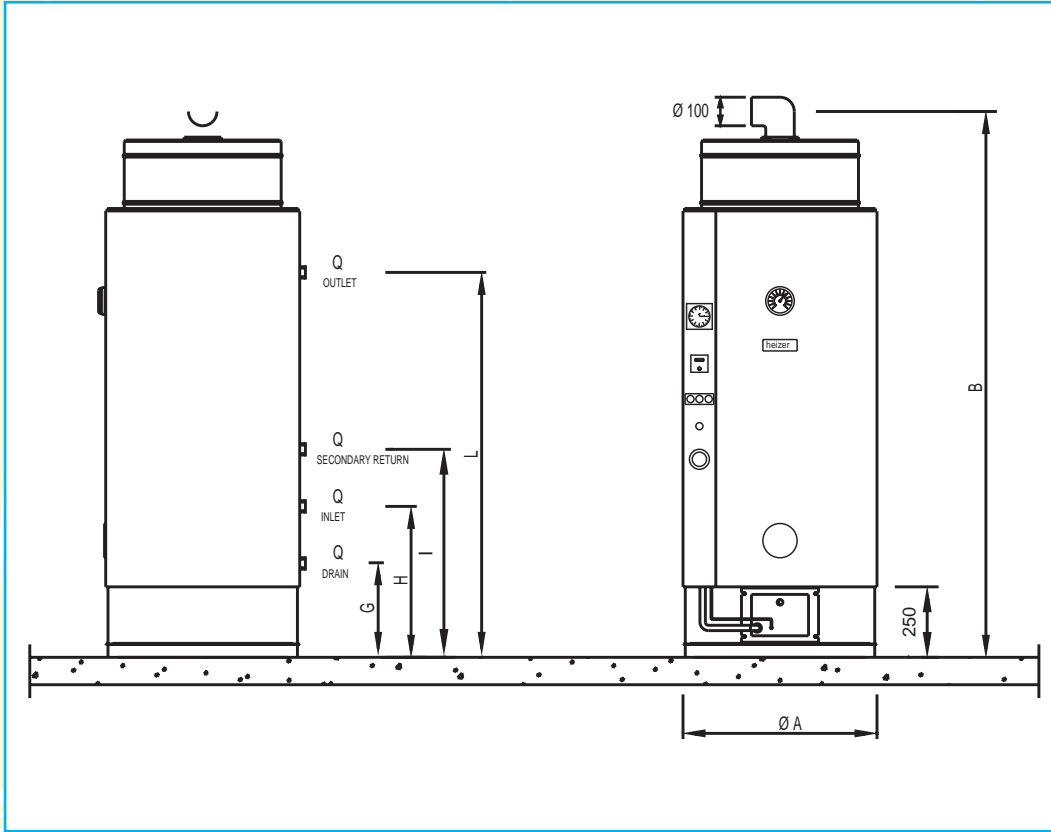
EV SERIES

EV-T EO/EO-T

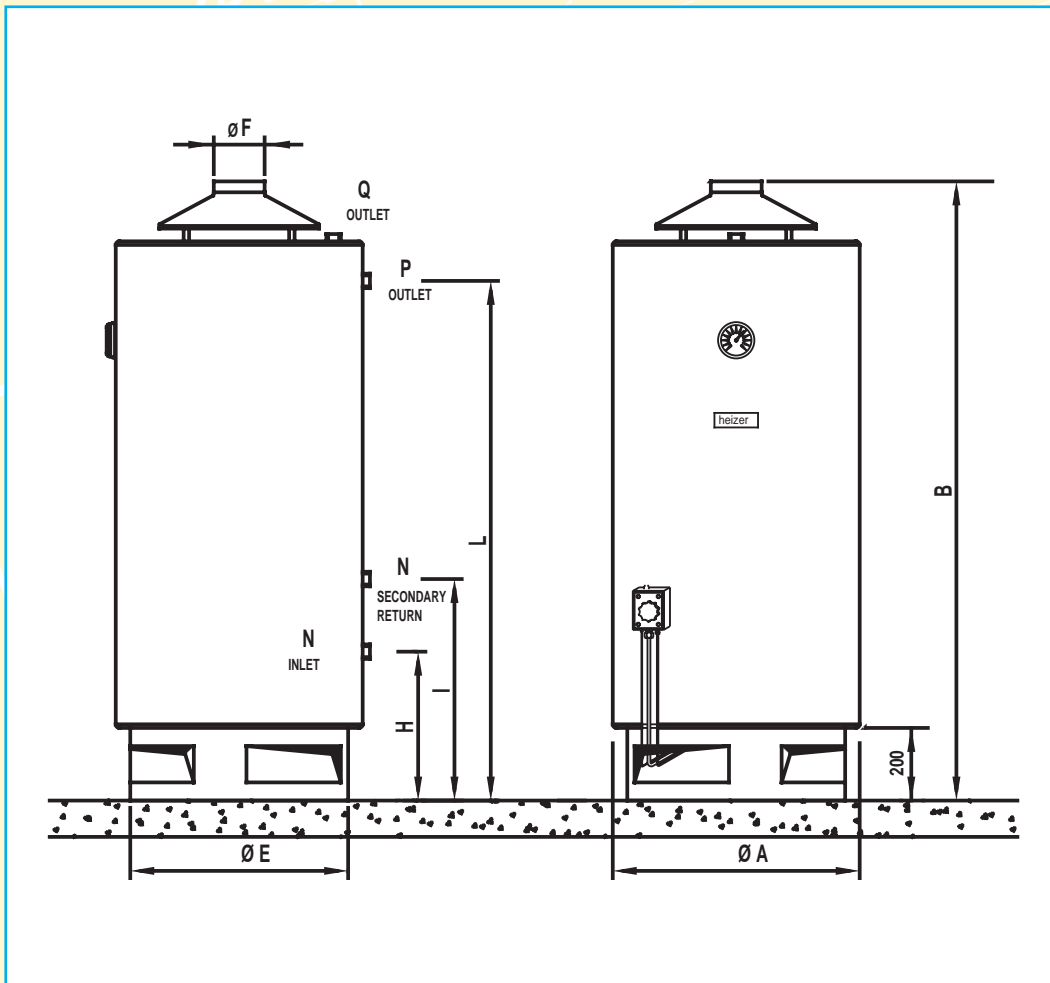
Model	EV-30 Orol.	EV-50	EV-80	EV-100	EV-120	EV-T-80	EV-T-100	EO-80	EO-100	EO-T-80
Storage lt	30	50	80	100	120	80	100	80	100	80
Gross Weight kg	12,5	17,5	22,5	27,5	32	26,5	31	22,5	27,5	26,5
Net Weight kg	11	15,5	19,5	24,5	29	23,5	28	19,5	24,5	23,5
Packing Dimensions cm										
H	47	60	81	96	112	81	96	81	96	81
W	48	48	48	48	48	48	48	48	48	48
D	48	48	48	48	48	48	48	48	48	48
Power W	1200	1200	1200	1200	1500	1200	1200	1200	1200	1200
Voltage V	220	220	220	220	220	220	220	220	220	220
Maximum working pressure bar	8	8	8	8	8	8	8	8	8	8
Heating time $\Delta t=35^{\circ}\text{C}/\Delta t=25^{\circ}\text{C}$ min	1h 03' /45'	1h 44'/1h 16'	2h 45'/1h 58'	3h 26'/2h 28'	3h 18'/2h 22'	2h 45'/1h 58'	3h 26'/2h 28'	2h 45'/1h 58'	3h 26'/2h 28'	2h 45'/1h 58'
Thermo exchanger surface m ²	-	-	-	-	-	0,2	0,2	-	-	0,2

DIMENSIONS

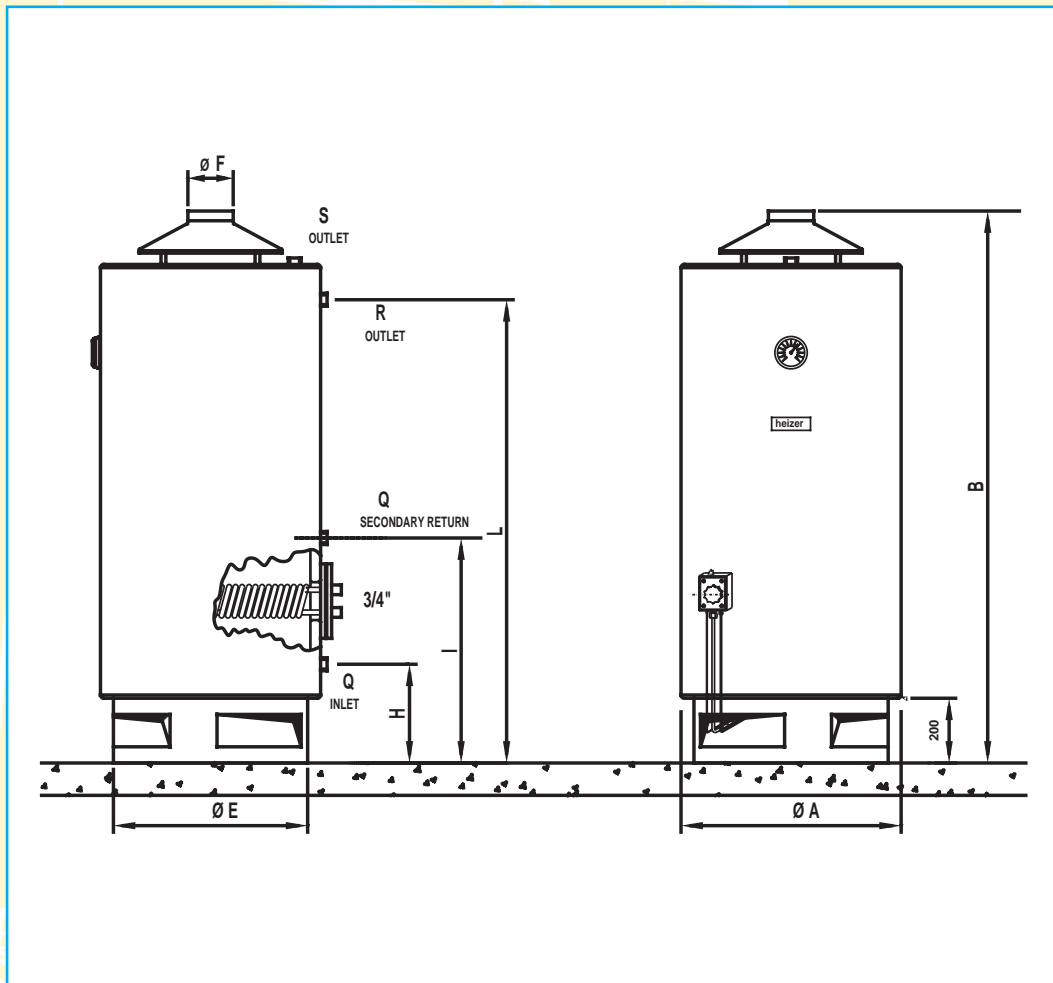
TGF SERIES



model	storage lt.	A	B	G	H	I	L	Q
TGF-2	200	680	1710	370	570	770	1130	1"
TGF-3	300	680	1950	370	570	770	1360	1"
TGF-4	400	730	2130	370	570	770	1520	1"



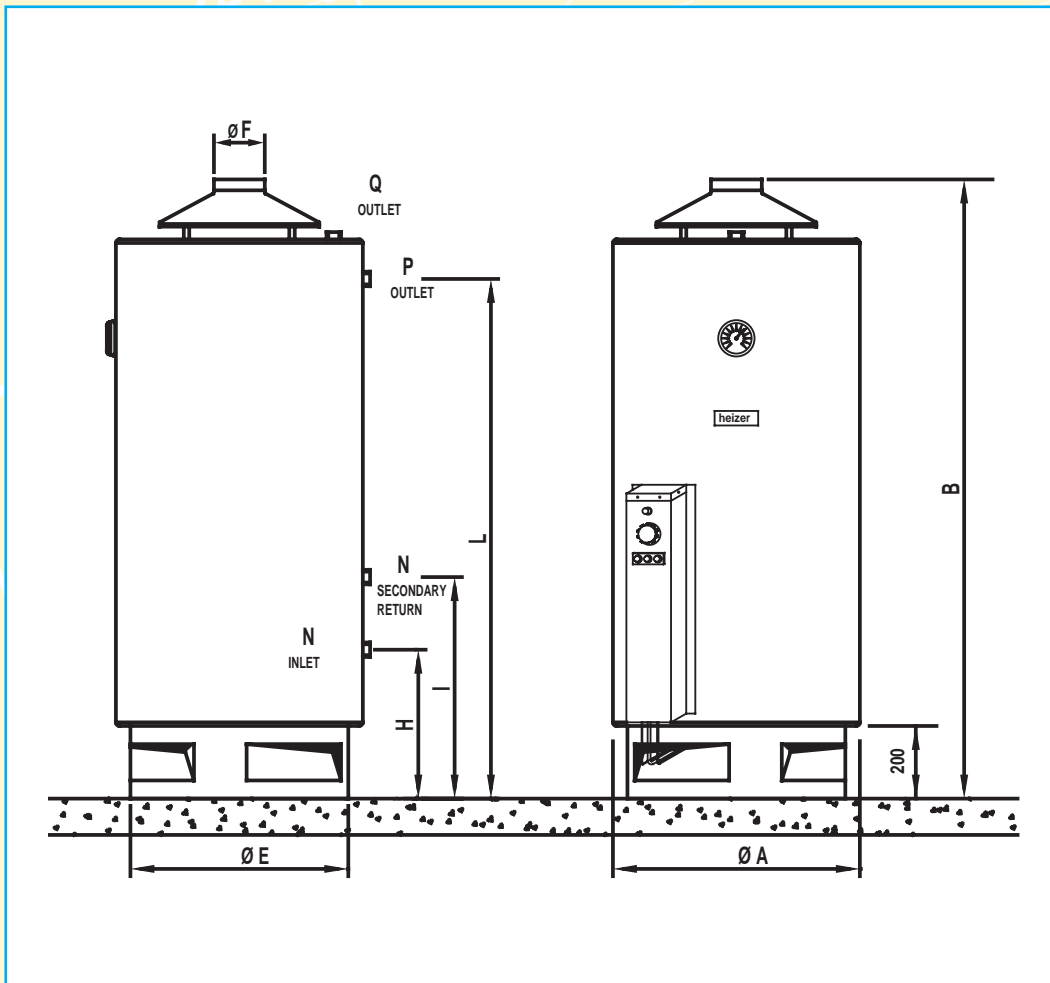
model	storage lt.	A	B	E	F	H	I	L	N	P	Q
G-1	150	580	1315	500	100	300	500	-	3/4"	-	3/4"
G-2	200	580	1565	500	100	300	500	-	3/4"	-	3/4"
G-3	300	680	1715	600	140	300	510	-	3/4"	-	3/4"
G-4	400	730	1725	650	140	310	510	-	1"	-	1"
G-5	500	730	1975	650	140	310	510	-	1"	-	1"
G-6	600	780	2165	700	140	310	1010	1730	1"	1"	-
G-8	800	980	1975	900	160	340	900	1470	1 1/4"	1 1/4"	-
G-10	1000	1080	2025	1000	160	340	900	1470	1 1/4"	1 1/4"	-
G-15	1500	1180	2255	1100	160	340	960	2000	1 1/4"	1 1/4"	-
G-20	2000	1280	2475	1200	160	340	960	2150	1 1/4"	1 1/4"	-



model	storage lt.	A	B	E	F	H	I	L	Q	R	S
GT-1	150	580	1315	500	100	300	705	-	3/4"	-	3/4"
GT-2	200	580	1565	500	100	300	705	-	3/4"	-	3/4"
GT-3	300	680	1715	600	140	300	705	-	3/4"	-	3/4"
GT-4	400	730	1725	650	140	310	705	-	1"	-	1"
GT-5	500	730	1975	650	140	310	705	-	1"	-	1"
GT-6	600	780	2165	700	140	310	1020	1730	1"	1"	-
GT-8	800	980	1975	900	160	340	920	1470	1 1/4"	1 1/4"	-
GT-10	1000	1080	2025	1000	160	340	920	1470	1 1/4"	1 1/4"	-
GT-15	1500	1180	2255	1100	160	340	960	2000	1 1/4"	1 1/4"	-
GT-20	2000	1280	2475	1200	160	340	960	2150	1 1/4"	1 1/4"	-

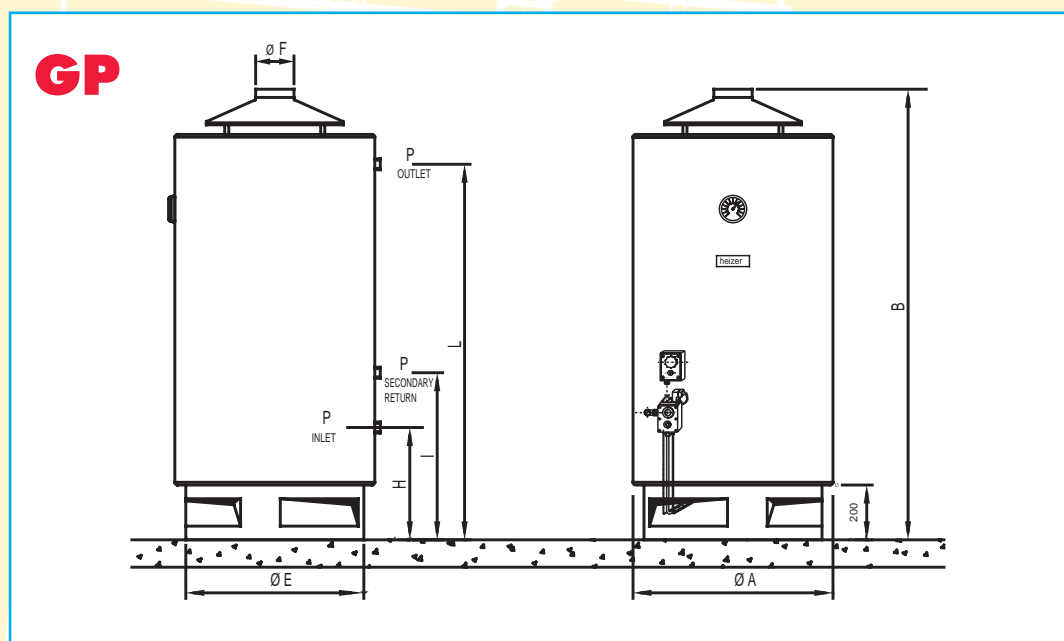
200

Ø E

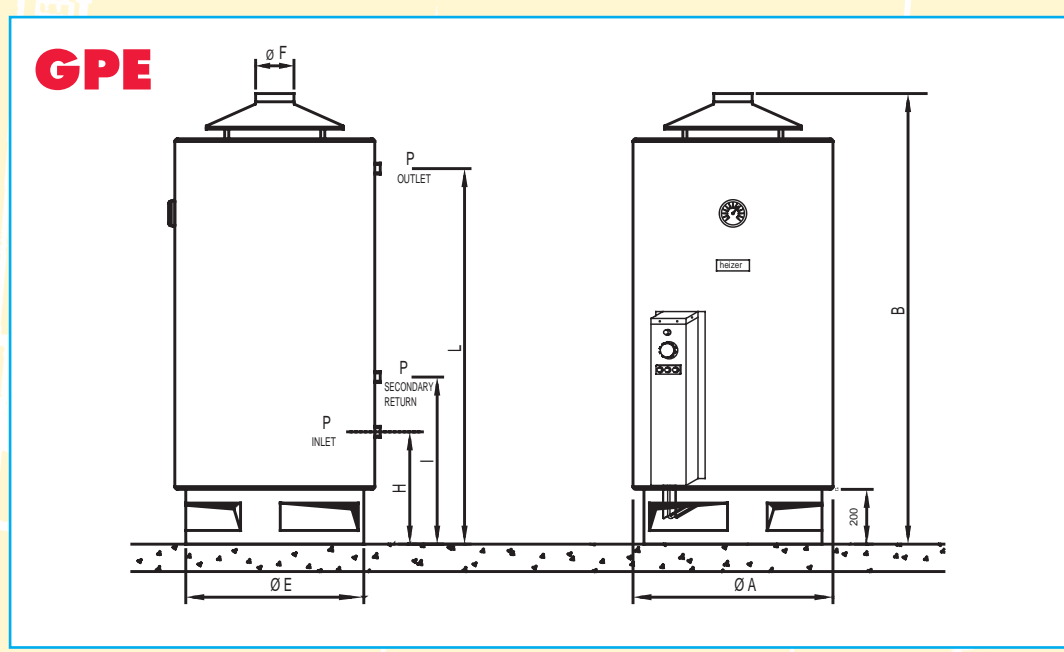


model	storage lt.	A	B	E	F	H	I	L	N	P	Q
GE-1	150	580	1315	500	100	300	500	-	3/4"	-	3/4"
GE-2	200	580	1565	500	100	300	500	-	3/4"	-	3/4"
GE-3	300	680	1715	600	140	300	510	-	3/4"	-	3/4"
GE-4	400	730	1725	650	140	310	510	-	1"	-	1"
GE-5	500	730	1975	650	140	310	510	-	1"	-	1"
GE-6	600	780	2165	700	140	310	1010	1730	1"	1"	-
GE-8	800	980	1975	900	160	340	900	1470	11/4"	11/4"	-
GE-10	1000	1080	2025	1000	160	340	900	1470	11/4"	11/4"	-
GE-15	1500	1180	2255	1100	160	340	960	2000	11/4"	11/4"	-
GE-20	2000	1280	2475	1200	160	340	960	2150	11/4"	11/4"	-

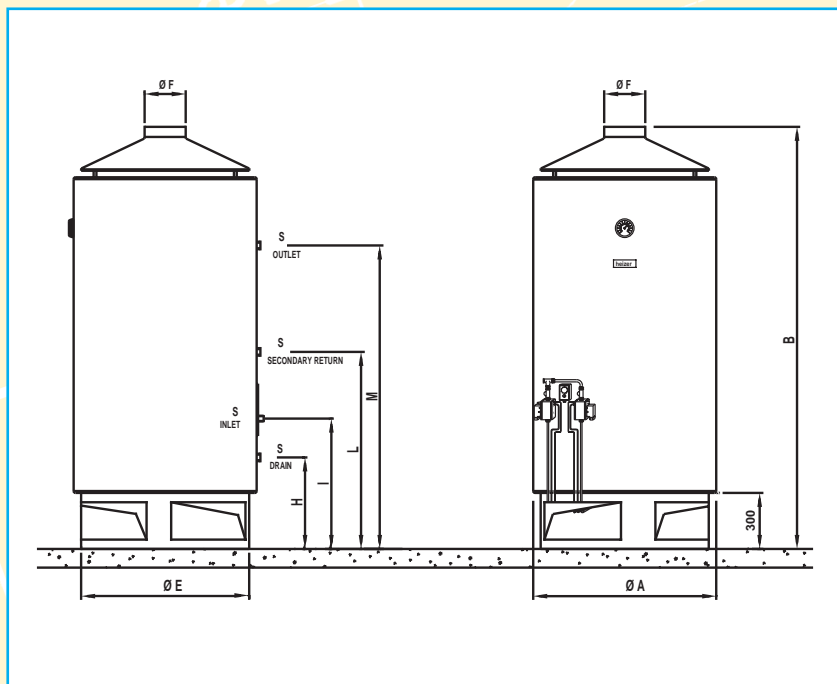
GP/GPE SERIES



model	storage lt.	A	B	E	F	H	I	L	P
GP/GPE-3	300	730	1645	650	180	320	520	1400	3/4"
GP/GPE-4	400	730	1945	650	180	320	520	1710	1"
GP/GPE-5	500	780	2005	700	180	320	520	1770	1"
GP/GPE-8	800	980	1985	900	200	320	530	1700	1 1/4"
GP/GPE-10	1000	1080	2025	1000	200	320	530	1750	1 1/4"
GP/GPE-20	2000	1280	2475	1200	200	320	530	2200	1 1/4"

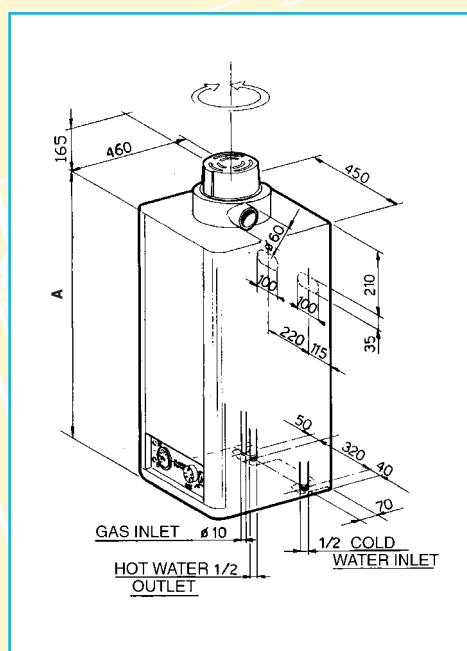


XP SERIES



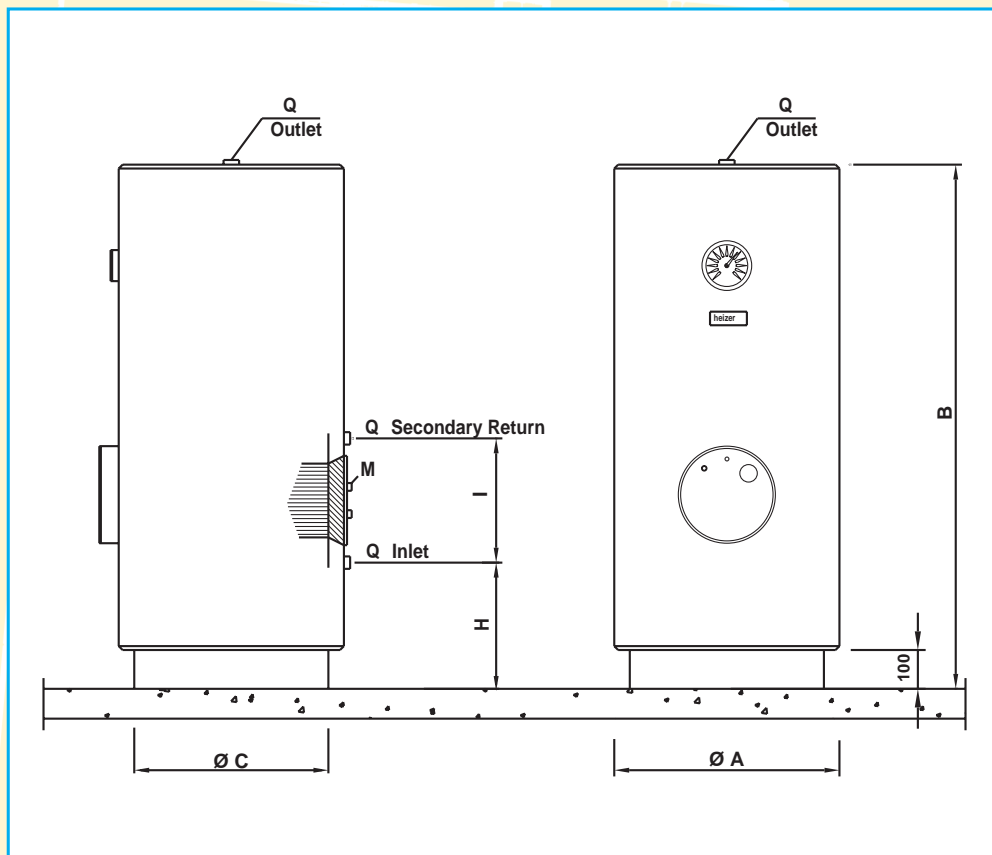
model	storage lt.	A	B	E	F	H	I	L	M	S
XP-8	750	980	2260	900	220	490	675	1055	1625	11/4"

GAFF SERIES



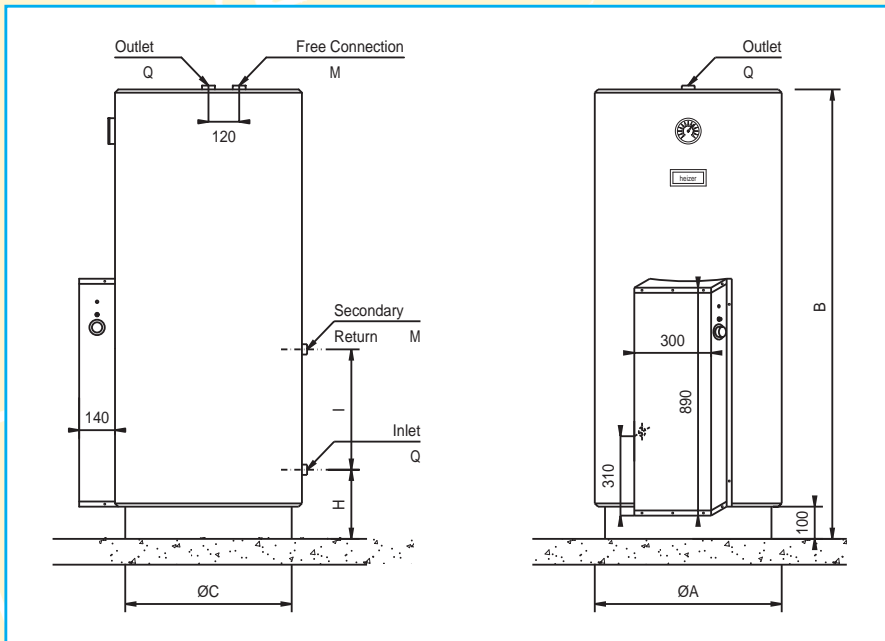
model	storage lt.	A
GAFF-8	80	850
GAFF-12	120	1210

E/ET SERIES



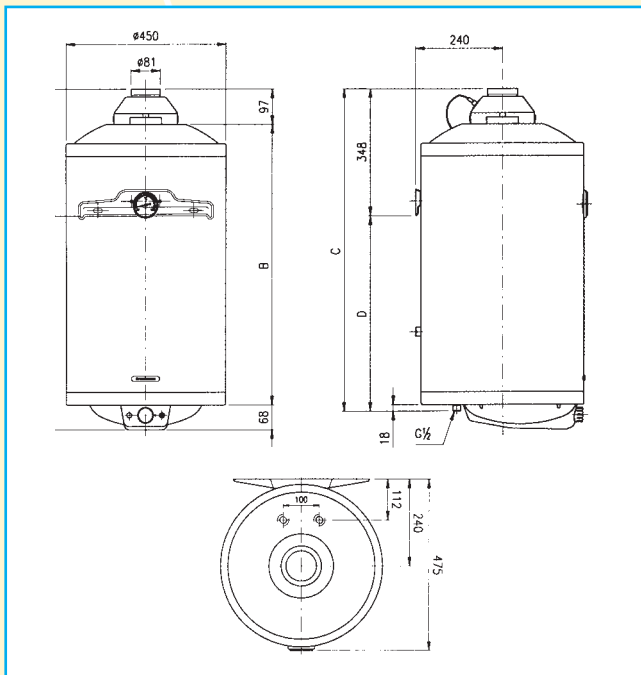
model	storage lt.	A	B	C	H	I	M	Q
E-1 ET-1	150	580	1100	500	325	380	3/4"	3/4"
E-2 ET-2	200	580	1350	500	325	380	3/4"	3/4"
E-3 ET-3	300	680	1350	600	285	430	3/4"	3/4"
E-4 ET-4	400	730	1450	650	285	430	3/4"	1"
E-5 ET-5	500	730	1755	650	285	430	3/4"	1"
E-6 ET-6	600	780	1850	700	300	200	3/4"	1"
E-8 ET-8	800	880	1910	800	330	200	3/4"	1 1/4"
E-10 ET-10	1000	980	1870	900	360	200	3/4"	1 1/4"
E-15 ET-15	1500	1180	1930	1100	390	200	3/4"	1 1/4"
E-20 ET-20	2000	1280	2210	1200	440	420	3/4"	1 1/4"

EHP SERIES



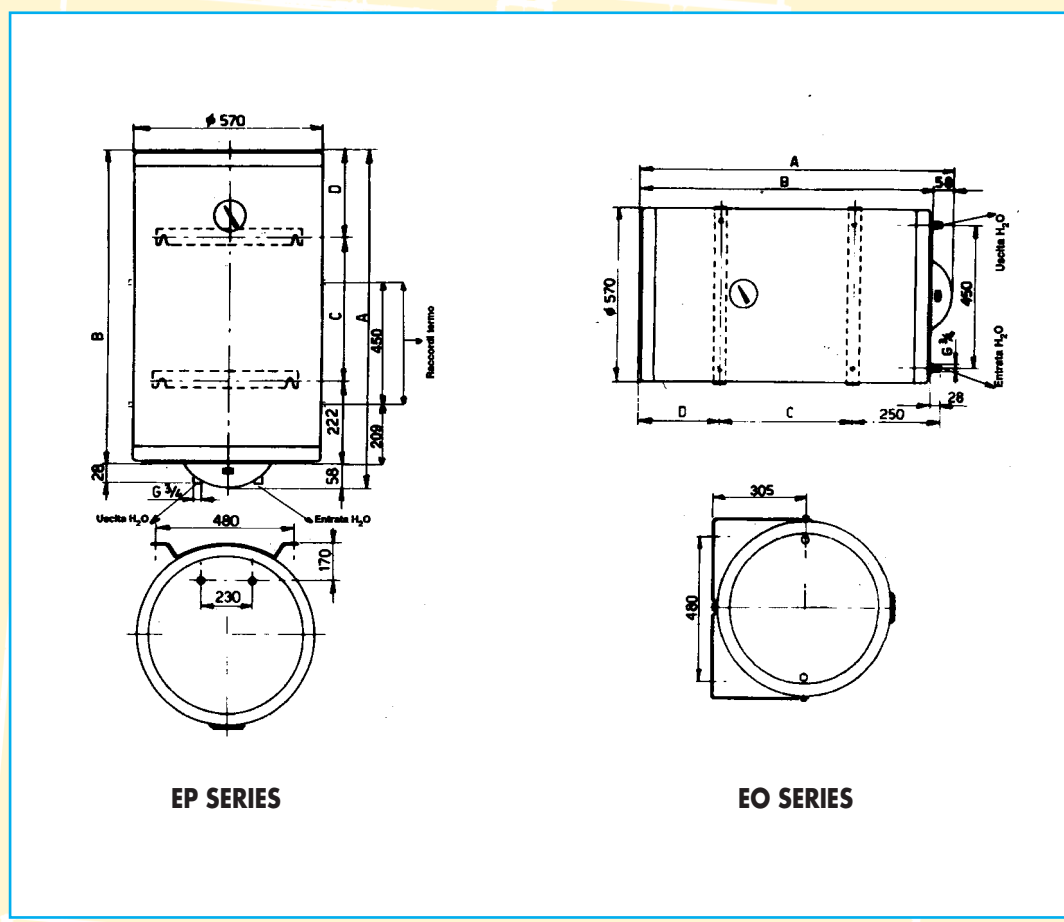
model	storage lt.	A	B	C	H	I	M	Q
EHP-2	200	580	1350	500	325	380	1"	1 1/2"
EHP-3	300	680	1350	600	285	430	1"	1 1/2"
EHP-4	400	730	1450	650	285	430	1"	1 1/2"
EHP-5	500	730	1755	650	285	430	1"	1 1/2"

GAN SERIES



model	storage lt.	A	B	C	D
GAN-5	50	306	490	613	265
GAN-8	80	591	775	898	550
GAN-10	100	676	860	983	635
GAN-12	120	826	1010	1183	785

EP/EP-T/EO SERIES



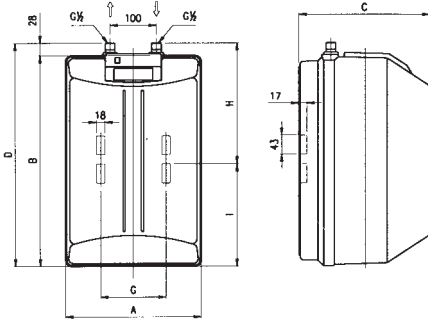
EP SERIES

EO SERIES

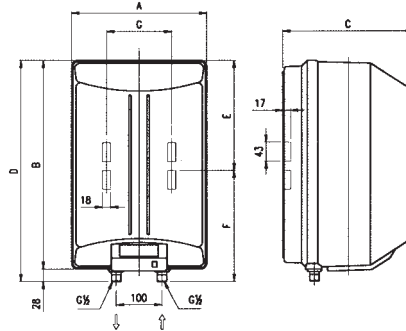
model	storage lt.	A	B	C	D
EP-1	150	1044	986	500	264
EP-2	200	1317	1259	800	237
EP-T-1	150	1044	986	500	264
EP-T-2	200	1317	1259	800	237
EO-1	150	1044	986	530	234
EO-2	200	1317	1259	800	237

EV/EV-T/EO/EO-T SERIES

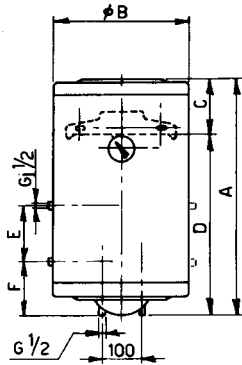
EV-10/15 UNDER SINK



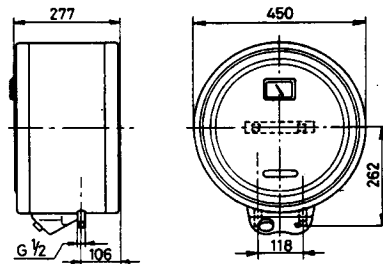
EV-10/15/30 OVER SINK



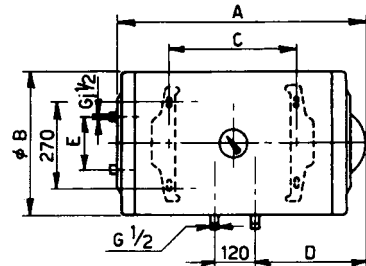
EV VERTICAL



EV-30 CIRCULAR



EO HORIZONTAL



model	storage lt.	A	B	C	D	E	F	G	H	I
EV-10		261	422	251	450	222	228	115	249	201
EV-15		295	472	285	500	249	251	142	272	228
EV-30		366	543	355	571	183	388	166	-	-
EV-50		535	450	237	266	-	-	-	-	-
EV-80		755	450	240	483	200	231	-	-	-
EV-T-80		755	450	240	483	-	-	-	-	-
EV-100		905	450	240	633	200	231	-	-	-
EV-T-100		905	450	240	633	-	-	-	-	-
EV-120		1055	450	240	783	200	231	-	-	-
EO-80		755	450	250	345,5	-	-	-	-	-
EO-T-80		755	450	250	345,5	200	-	-	-	-
EO-100		905	450	400	420,5	-	-	-	-	-

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