



ADDENDUM
to
INSTALLATION INSTRUCTIONS
for
Grant Vortex Pro
Internal Combi Boiler Range
Combi 21e, 26e and 36e
Combi XS 26*

DOC.88-00/01 Rev04 – September 2015

ATTENTION INSTALLERS - UPDATED INFORMATION!

The Grant Vortex Pro Internal Combi boiler range has several recent changes that differ from the Installation & Servicing Instructions supplied with the unit. These changes are due to our continued product improvement process and are detailed on the following pages.

*In addition, the new Vortex Pro Combi XS 26 has been released. With a reduced width of 514mm, this 26kW Combi boiler has been designed for use as either a replacement for older, standard efficiency combination boilers or where space is limited.

IMPORTANT – Please read this addendum and use the information in conjunction with the corresponding sections of the Installation and Servicing Instructions (as indicated below).

After installation and commissioning the boiler(s), please ensure that both the Installation and Servicing Instructions and this addendum are left with the user for future reference.

EXPANSION VESSELS

- All three existing models (21, 26e and 36e) in the Grant Vortex Pro Internal Combi range are now supplied with a larger (24 litre) expansion vessel.
- The new Combi XS 26 is supplied with a separate 24 litre vessel, to be fitted externally to the boiler casing.

The vessel is supplied with a 1 bar pre-charge pressure.

This replaces the expansion vessel information given in Section 7.1 (page 21) of the Installation Instructions supplied with the boiler.

Combi 21e, 26e and 36e

The vessel located in the front of the boiler, mounted on brackets fixed to either the front of the boiler shell (Combi 21e) or the front cleaning door (Combi 26e & 36e). Refer to Figure A.

The vessel is connected to the boiler via a flexible hose to enable it to be removed for checking/re-pressurising when required.

Combi XS 26

The boiler is supplied with a separate 24 litre vessel to be fitted externally to the boiler. Refer to Figure B.

The vessel is supplied with an 800mm flexible hose with a ½" BSP male thread. Using a suitable fitting (not supplied), this vessel must be connected to the heating system, via the flexible hose, in a convenient location where it can be readily accessed for servicing.

Figures A and B in this addendum now replace Figure 1-1 (on page 5) of the Installation Instructions supplied with the boiler.

Fitted with the new 24 litre expansion vessel, all four boilers now have a maximum heating system volume, including the boiler water content, of 255 litres*.

*Based on a pressure relief valve setting of 2.5 bar and a vessel charge/cold fill pressure of 0.5 bar.

This replaces the information on vessel size and maximum heating system volume given in Section 2.1 on page 6 of the Installation Instructions supplied with the boiler.

BURNER LEAD PLUG/SOCKET CONNECTOR

On all four models, the electrical cable between the boiler control panel and burner is now fitted with an in-line 3-way plug and socket connector. Refer to Figures A and B for the location of this connector. This enables the burner to be easily disconnected from the boiler control panel for ease of removal for servicing.

BOILER TECHNICAL DATA

Model		Combi XS26	Combi 21e	Combi 26e	Combi 36e
Boiler water content (Including 32 litre primary store)	Litres	42.5	43	48.5	53.5
	Galls	9.4	9.5	10.7	11.8
Weight (dry)*	kg	178	160	177	200
	lbs	392	353	390	441
Expansion vessel (pre-charged at 1 bar)**	litres	24	24	24	24
Maximum heating system volume**	litres	255			
Pressure relief valve	bar	2.5			
Maximum operating pressure (sealed & open systems)	bar	2.0			

* Weight includes burner (and expansion vessel) but excludes flue

** Based on expansion vessel charge and initial cold system pressure of 0.5 bar

This replaces the information on boiler technical data given in Section 2.1 on page 6 of the Installation and Servicing Instructions supplied with the boiler.

BURNER SETTINGS

Model	Burner type	Heat output		SEDBUK SAP 2009	Nozzle	Oil pressure	Smoke number	Burner head	Fuel flow	Flue gas temp.	CO ²
		kW	Btu/h	%		bar			kg/h	°C	%
Combi XS 26	Riello RDB 2.2	26.0	88,700	TBC	0.75/80°EH	8.0	0-1	T2	2.16	80 ¹	12
Combi 21e	Riello RDB 2.2	21.0	71,650	89.5	0.60/80°EH	9.0	0-1	T1	1.83	235 ²	12
Combi 26e	Riello RDB 1	26.0	88,700	90.2	0.75/80°EH	8.0	0-1	T2	2.16	75-80	12
Combi 36e	Riello RDB 2.2	36.0	123,000	91.6	1.00/80°EH	9.1	0-1	T5	3.01	78	12

¹ Temperature measured at Flue test point. ² Temperature measured at Door test point

This replaces the information on burner settings given in Sections 2.2 and 2.3 on page 7 of the Installation and Servicing Instructions supplied with the boiler.

RFKIT

The RFTKIT must not be installed on to the boiler control panel – it must be fitted external to the boiler due to frequency interference from the boiler casing.

This replaces the information on burner settings given in Section 8.3 on pages 28 and 29 of the Installation and Servicing Instructions supplied with the boiler.

DIMENSIONS

Combi 21e, 26e and 36e

In order to accommodate the larger expansion vessel, the dimensions of the Combi 21e and Combi 26e models have been slightly increased. As a result ALL three boilers are now the same width and depth. The only difference is the Combi 36e is 42mm taller than the other two models. Refer to Figures C and D for the new boiler dimensions.

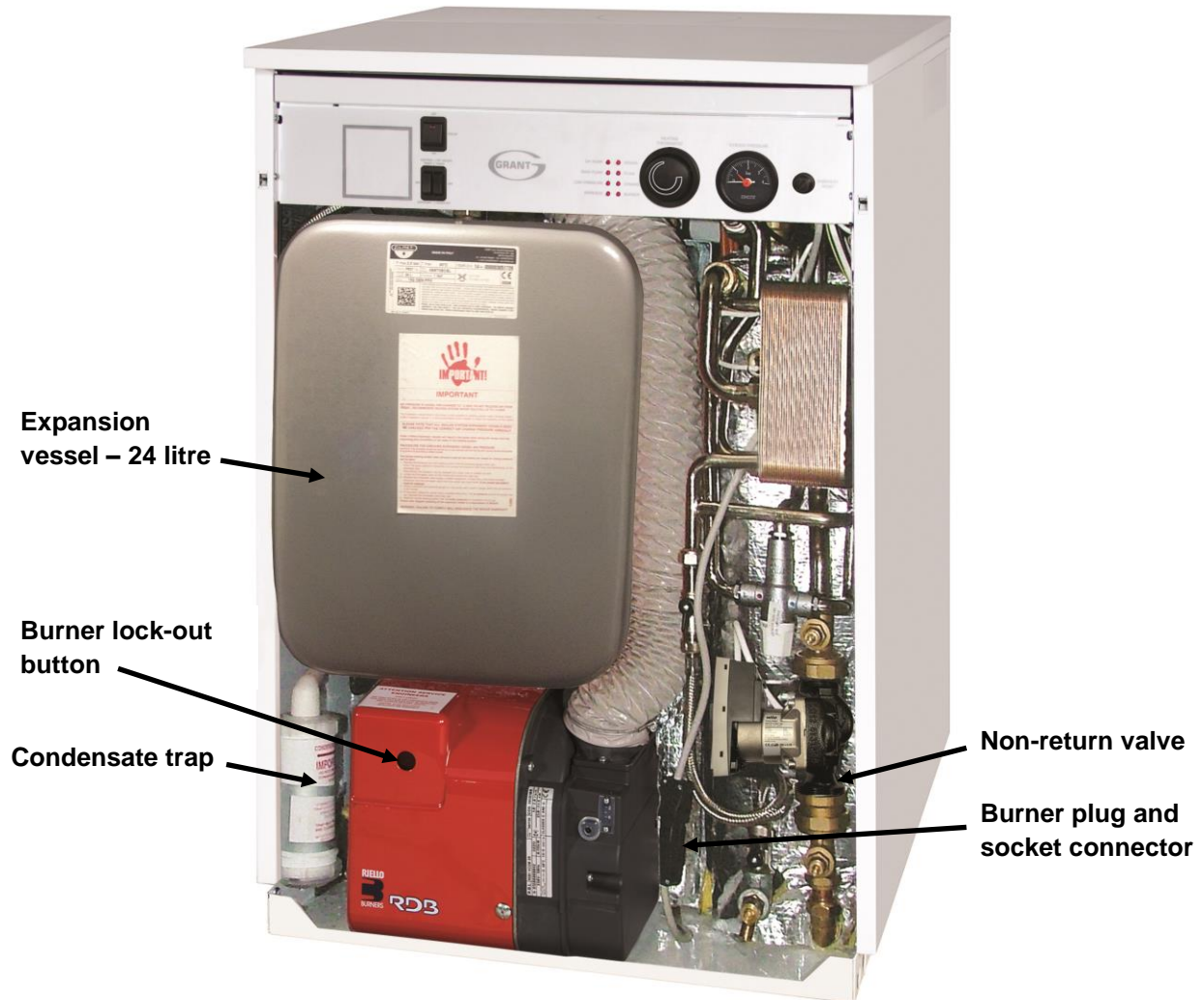


Figure A: Vortex Pro Internal Combi with front panel removed

Combi XS 26

Refer to Figure E for the new boiler dimensions. Refer to Figure F for the expansion vessel dimensions

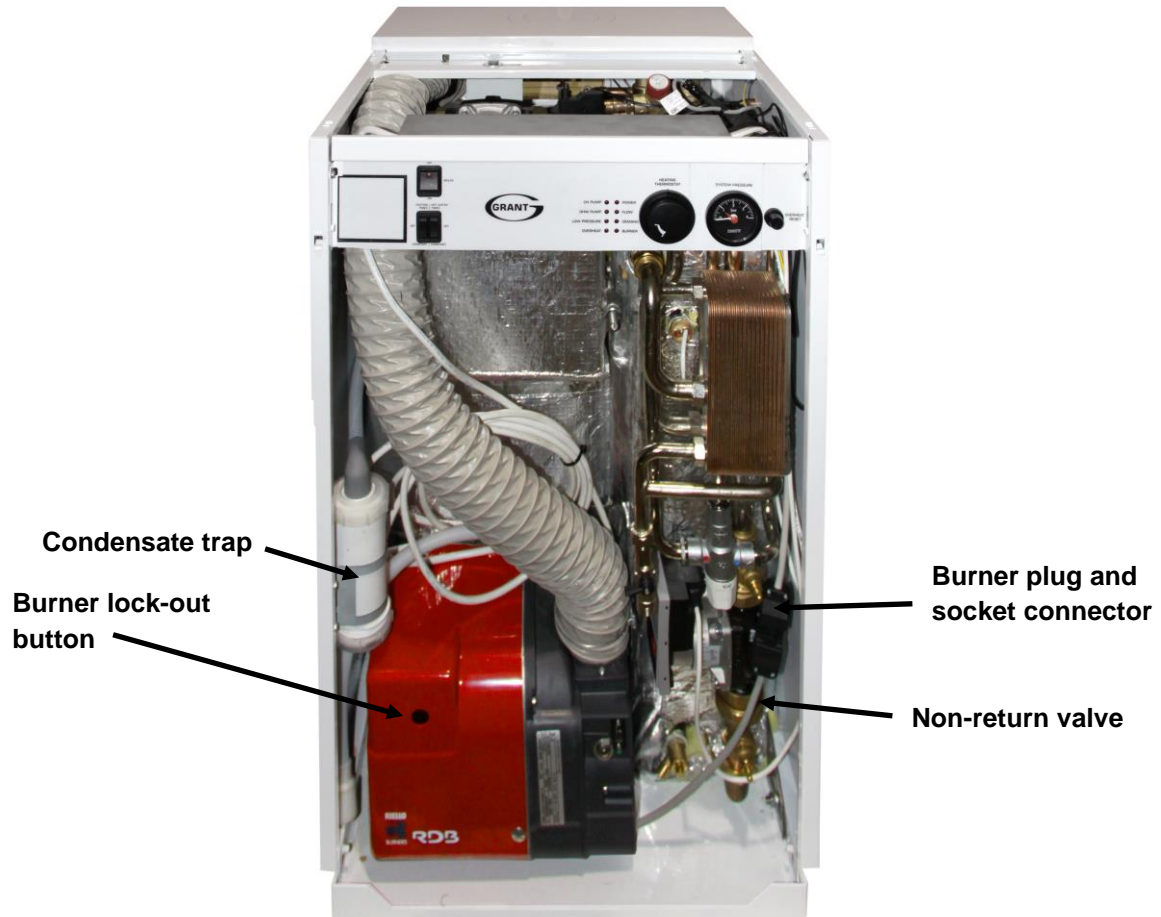


Figure B: Vortex Pro Internal Combi XS with front panel removed

Figures C, D and E in this addendum now replace Figures 2-1 and 2-2 (on pages 8 and 9 respectively) of the Installation and Servicing Instructions supplied with the boiler.

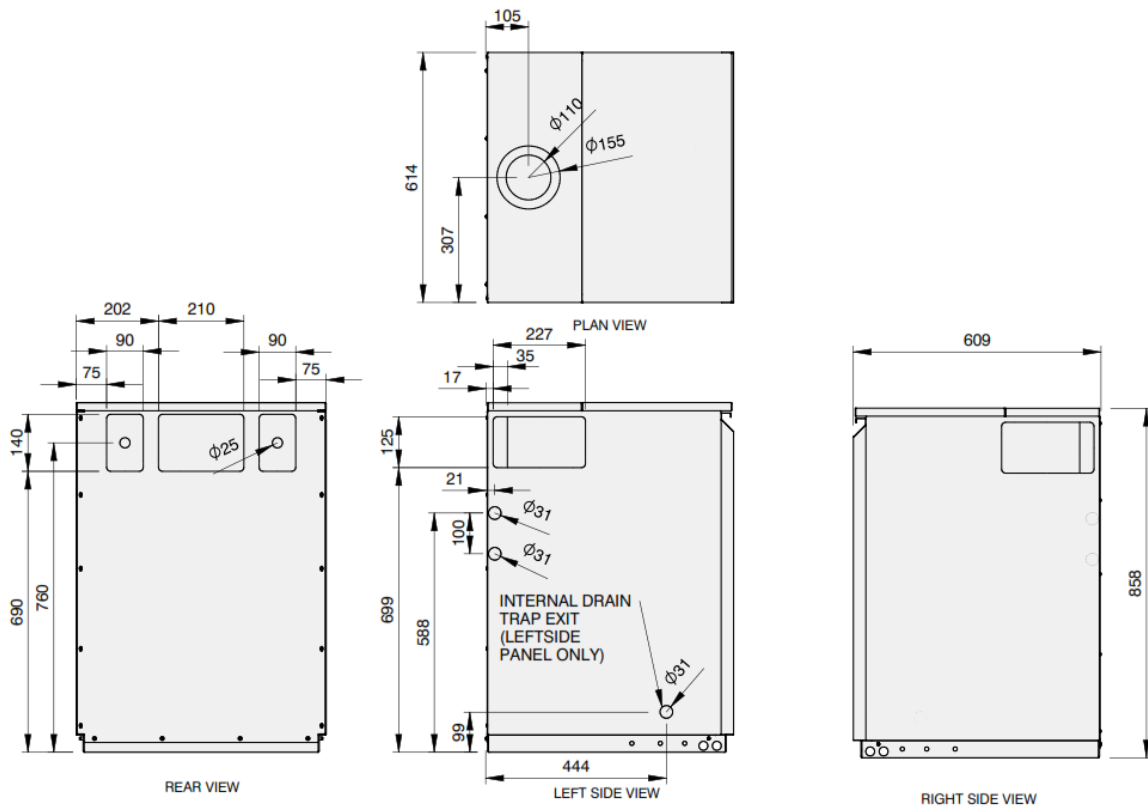


Figure C: Combi 21e and Combi 26e boiler dimensions

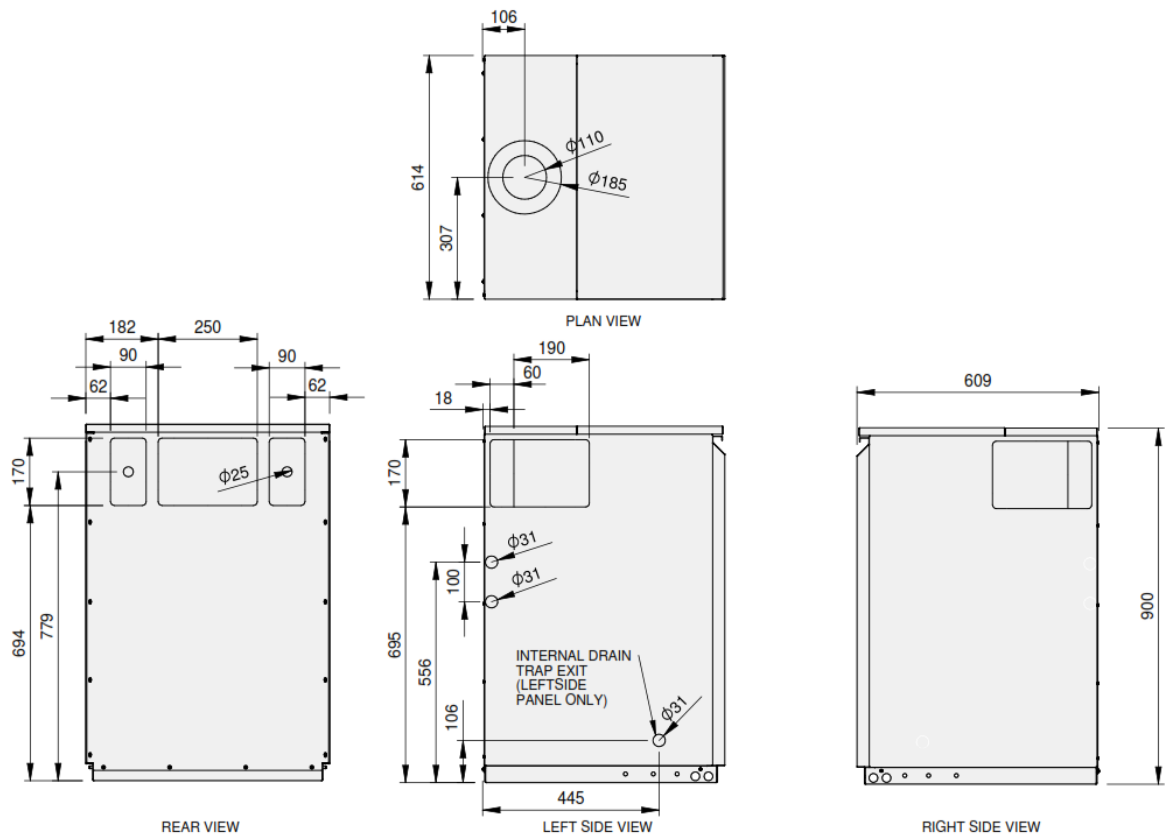


Figure D: Combi 36e boiler dimensions

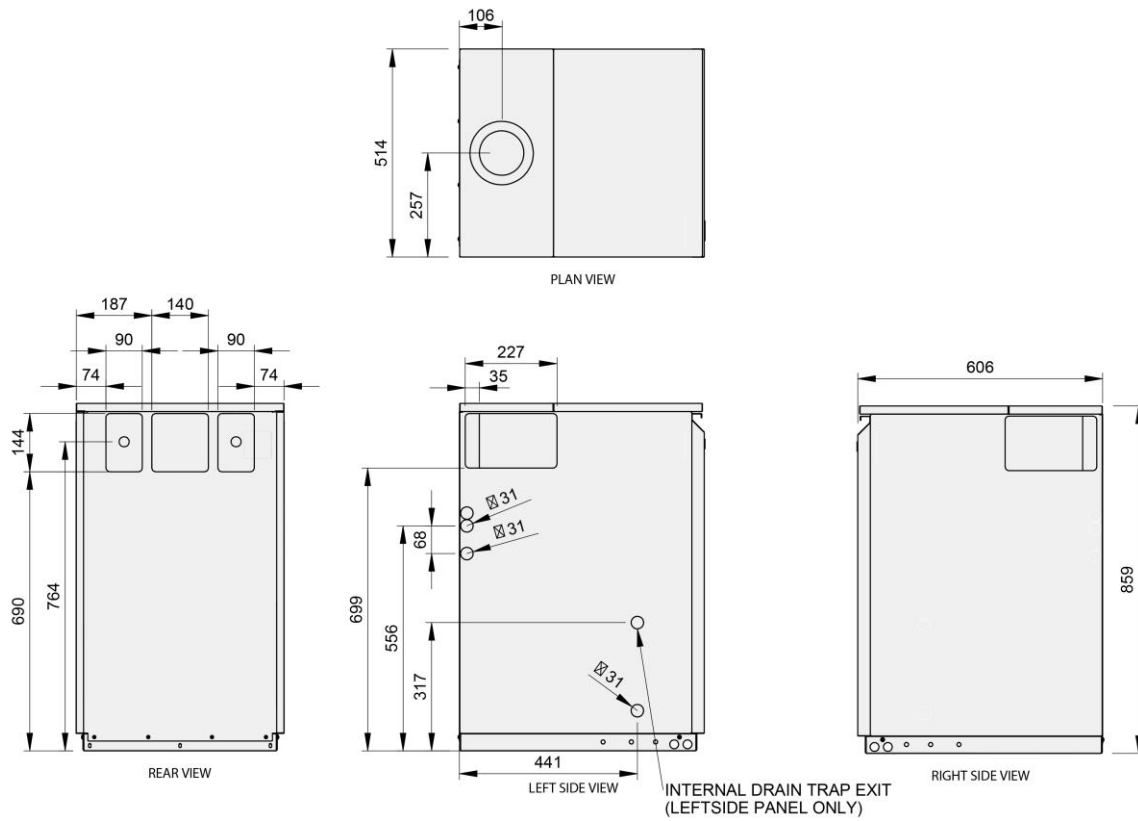


Figure E: Combi XS 26 boiler dimensions

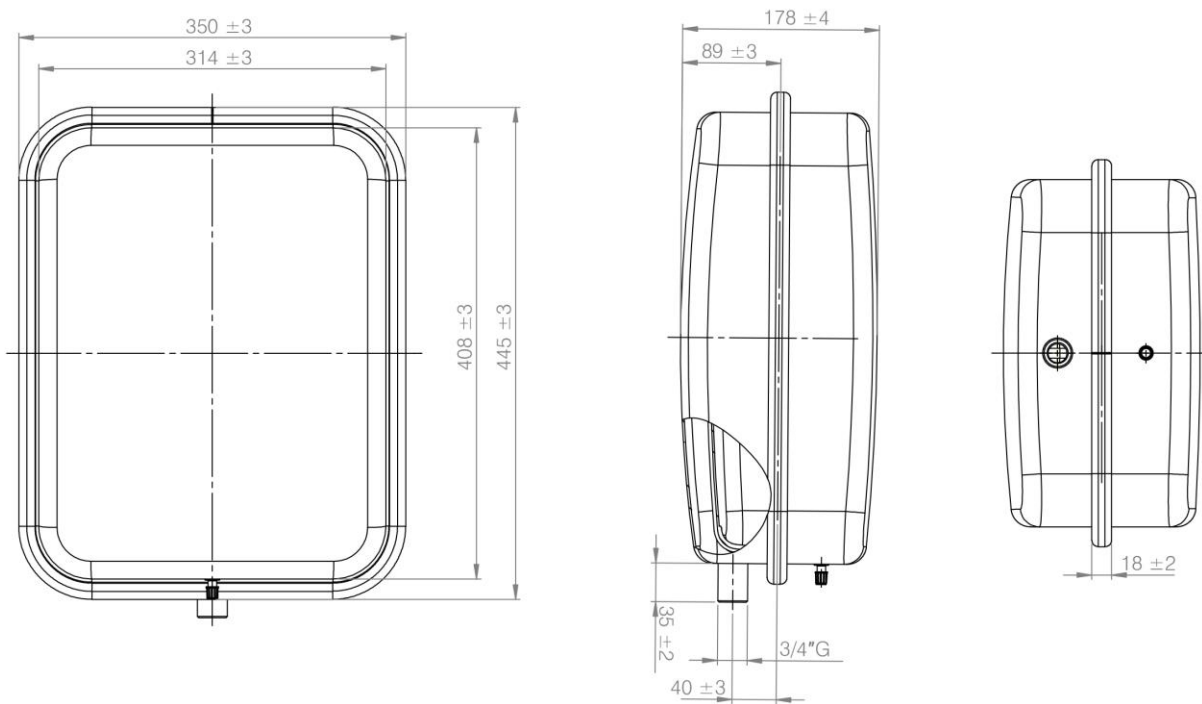


Figure F: Expansion vessel dimensions



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