



BOSCH

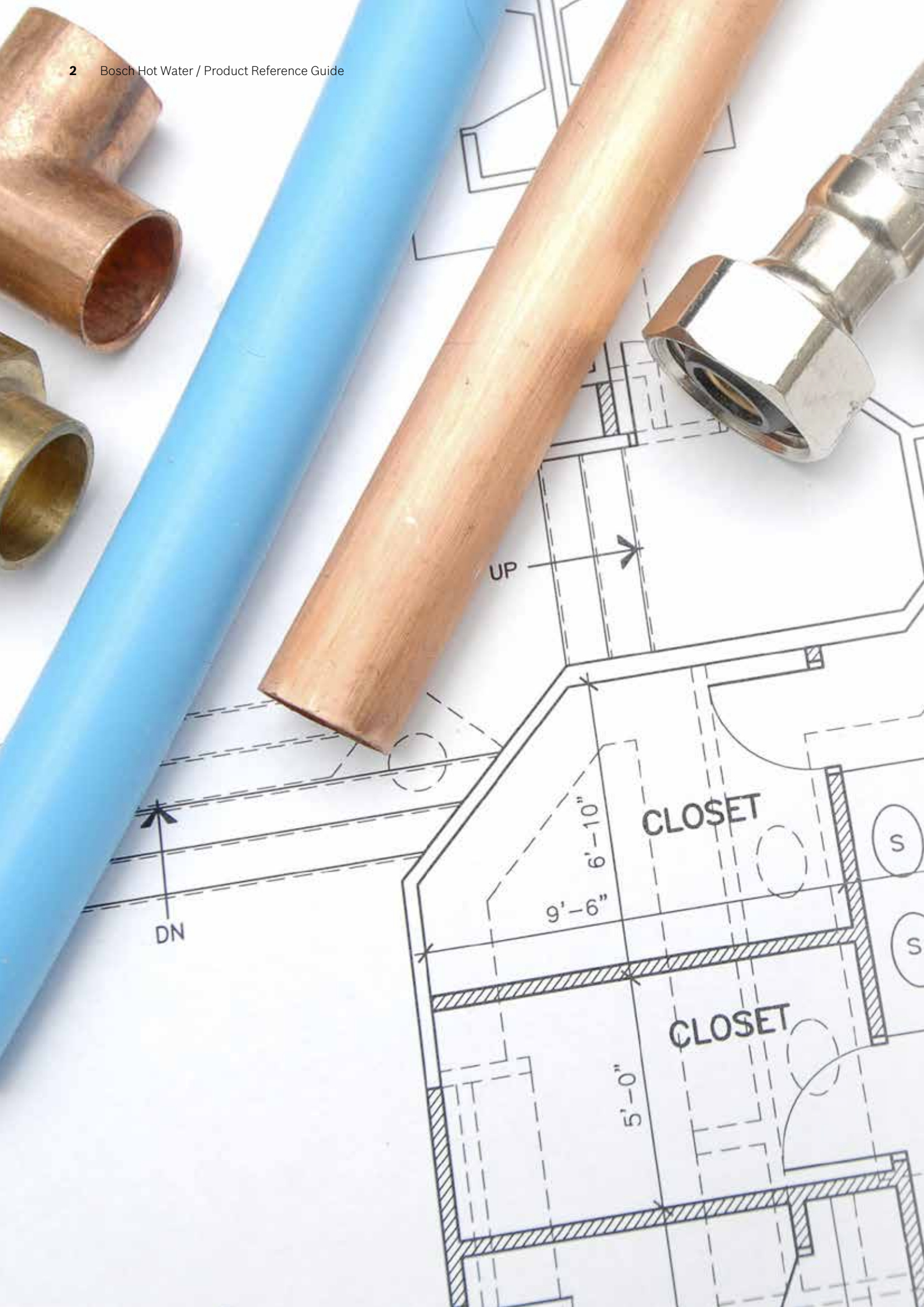
Invented for life

Simply Revolutionary Solutions.

Bosch Hot Water.
Product Guide.



bosch-climate.co.nz



Contents

Why choose Bosch **4**

Continuous Flow Gas Hot Water Systems

OptiFlow Professional with Bluetooth Connectivity **6**

- 16L
- 20L
- 26L

Bosch Water & ProWater Apps **7**

OptiFlow Professional External 12L **8**

OptiFlow Professional Internal

- 12L
- 16L
- 20L **9**

OptiFlow Professional Internal Flueing Guide **10**

Selecting the right flue **11**

Controllers & OptiFlow External Installation Accessories **15**

HighFlow Condensing

- 21L
- 26L **16**

HydroPower

- 10L
- 13L
- 16L **17**

Internal Compact

- 10L
- 13L
- 16L **18**

Electric Storage Hot Water Systems

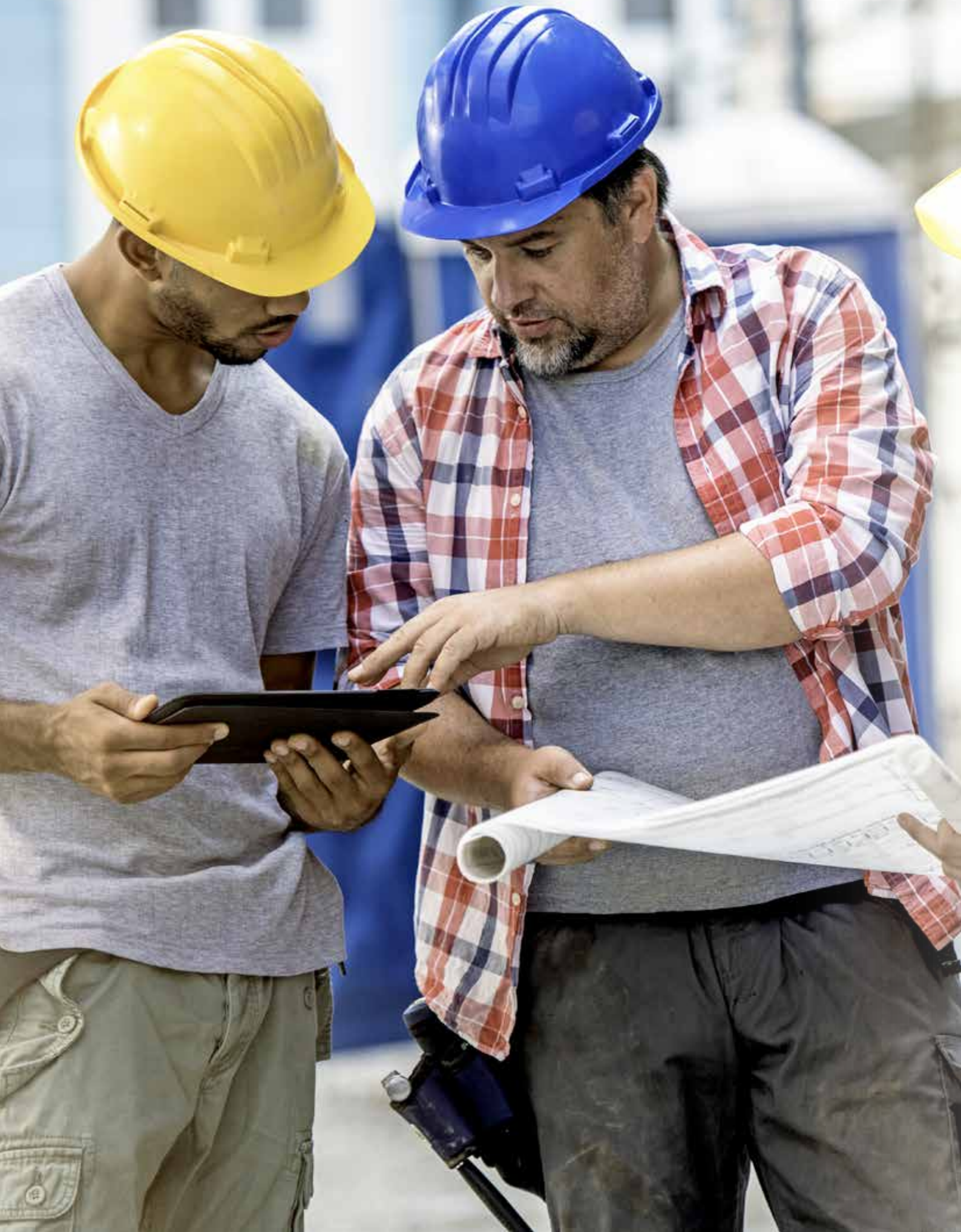
Tronic 1000T **19**

Compress 3000 Heat Pump **20**

Warranty & Service Information **22**

Bosch e-Learning Training Program **22**

Bosch Hot Water Appliance Quick Reference Guide **23**





Bosch in every detail. Simply revolutionary hot water.

Every detail of every appliance has been carefully designed, produced and tested by our engineers to fully satisfy the highest standards in quality, performance and convenience. The result is cutting edge technology, efficiency and comfort.

Why choose Bosch.

Quality comes from experience.

All Bosch products are manufactured to highest possible standards, using only premium quality materials. We undertake quality and endurance testing for our products under continuous usage conditions to further strengthen the customer's piece of mind.

No single appliance leaves our factory until it has been proven to meet our high standards of quality, performance and sustainability. This was Robert Bosch's promise when he opened his first workshop in 1886, and this is the promise we strive to keep today.

Top performance.

We have been setting trends in hot water for more than 80 years and our desire to continually improve is what drives us every day. We strive to make the best even better, by developing functional, durable and energy-efficient innovations that surpass all expectations.

Maximum convenience.

Bosch is dedicated to making your life easier. Our innovative hot water appliances provide convenience, while sophisticated features deliver best results every time.

OptiFlow Professional

With Bluetooth Connectivity 16L, 20L & 26L



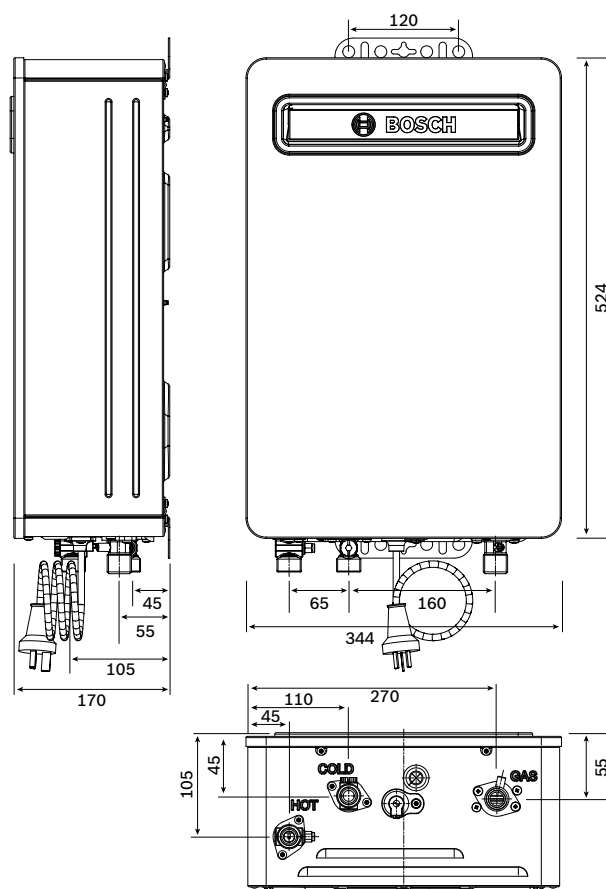
Product Benefits

- OptiFlow Combustion Management System provides superior energy efficiency over the lifetime of the appliance
- Easy Minimum Technology operates seamlessly with highly efficient modern tapware and still delivers a stable hot water temperature for ultimate user comfort
- Bluetooth enabled appliance* for ultimate installer convenience and user experience
- Compatible with Bosch Water and ProWater apps
- 6 Star efficiency
- Solar compatible water heater
- Up to 3 controllers can be installed in addition to the Bluetooth controller
- 3 year parts and labour warranty
- 12 year heat exchanger warranty (part only)



Specifications		Model		
	Unit	16L	20L	26L
Technical features				
Bluetooth Enabled Appliance		Yes - Up to 10m range*		
Star Rating		6 Stars		
Solar Compatible		Yes		
Temperature Controllers		Up to 3 temperature controllers plus the Bosch OptiFlow App can be installed		
Maximum Temperature		Preset at 55°C. Adjustable to 60°C and 70°C		
Weight (unpacked)	kg	15	15	18
Frost protection included		Yes		
Gas supply data				
Max. Nominal Gas Consumption	Mj/h	122	149	199
Minimum Gas Supply Pressure - NG (in operation)	kPa	1.13		
Minimum Gas Supply Pressure - LPG (in operation)	kPa	2.75		
Water Supply Data				
Maximum Permissible Pressure (static)	kPa	1000		
Minimum Operating Pressure	kPa	100		
Minimum Operating Pressure for Max. Performance	kPa	300		
Minimum Water Flow	l/min	2		
L/min at 25°C Temperature Rise	l/min	16	20	26
Maximum Inlet Temperature	°C	80		
Electrical Circuit				
Power Supply Voltage	Vac	230/240		
Frequency	Hz	50		
Warranty Details (Domestic)				
Parts and Labour	Years	3		
Heat Exchanger (part only)	Years	12		
Pipe Connection Sizes				
Gas Connection - NG or LPG	mm	20mm		
Cold Water	mm	20mm		
Hot Water	mm	20mm		

* Bluetooth range maybe reduced due to the thickness of building material and density of barriers between the appliance and your smart phone or tablet.



Description	Part Number
OptiFlow Professional 16L NG	7736503994
OptiFlow Professional 16L LPG	7736503995
OptiFlow Professional 20L NG	7736503996
OptiFlow Professional 20L LPG	7736503997
OptiFlow Professional 26L NG	7736503998
OptiFlow Professional 26L LPG	7736503999

New Zealand's first connected hot water heater.



COMFORT & CONTROL AT YOUR FINGERTIPS

Bosch have developed Bosch Water and Bosch ProWater apps to provide the User and Tradesperson with features that until now have not been available on a water heater. Both Apps connect to OptiFlow Bluetooth enabled appliances from a range of up to 10m from the appliance.



Bosch Water App for the User

- Temperature control
- Running cost information
- Energy usage information
- Water consumption information



Bosch ProWater App for Install & Service

- Real-time performance monitoring
- Real-time diagnostics
- Error codes with recommended service procedures
- Back-up of appliance parameters
- PLUS all User features

Simple Pairing with Bluetooth

- 1 Download the Bosch Water or ProWater app from the App Store or Google Play Store.
- 2 Open the app and select: "Search for appliances".
- 3 Identify your appliance using the code located on the app label, located on the base of the appliance.
- 4 Enter the appliance password listed on the app label.
- 5 Enjoy using the Bosch Water or ProWater app.



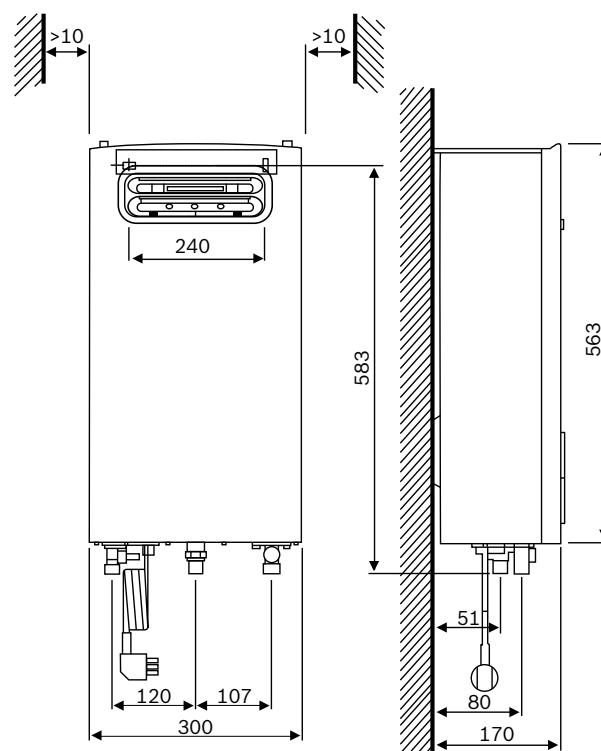
OptiFlow Professional External 12L



Product Benefits

- OptiFlow Combustion Management System provides better energy efficiency over the lifetime of the appliance
- Designed for easy change over from Bosch HydroPower models
- 12L low gas load appliance
- 6 Star efficiency
- Solar compatible water heater
- Electronically controlled modulation
- 3 year parts and labour warranty
- 12 year heat exchanger warranty (part only)

Specifications	Unit	Model 12L
Technical features		
Bluetooth Enabled Appliance		No
Star Rating		6 Stars
Solar Compatible		Yes
Temperature Controllers		1 temperature controller
Maximum Temperature		Preset at 55°C. Adjustable to 60°C and 70°C
Weight (unpacked)	kg	10
Frost protection included		Yes
Gas supply data		
Maximum Nominal Gas Consumption	Mj/h	90
Minimum Gas Supply Pressure - NG (in operation)	kPa	1.13
Minimum Gas Supply Pressure - LPG (in operation)	kPa	2.75
Water Supply Data		
Maximum Permissible Pressure (static)	kPa	1000
Minimum Operating Pressure	kPa	100
Minimum Operating Pressure for Max. Performance	kPa	200
Minimum Water Flow	l/min	2.2
L/min at 25°C Temperature Rise	l/min	12
Maximum Inlet Temperature	°C	80
Electrical Circuit		
Power Supply Voltage	Vac	230 / 240
Frequency	Hz	50
Maximum Power - Frost Protection	W	165
Maximum Power - Normal Operation	W	48
Warranty Details (Domestic)		
Parts and Labour	Years	3
Heat Exchanger (part only)	Years	12
Pipe Connection Sizes		
Gas Connection - NG or LPG	mm	15mm
Cold Water	mm	15mm
Hot Water	mm	15mm



Description	Part Number
4000S External 12L NG	7736502491
4000S External 12L LP	7736502492

OptiFlow Professional Internal 12L, 16L & 20L

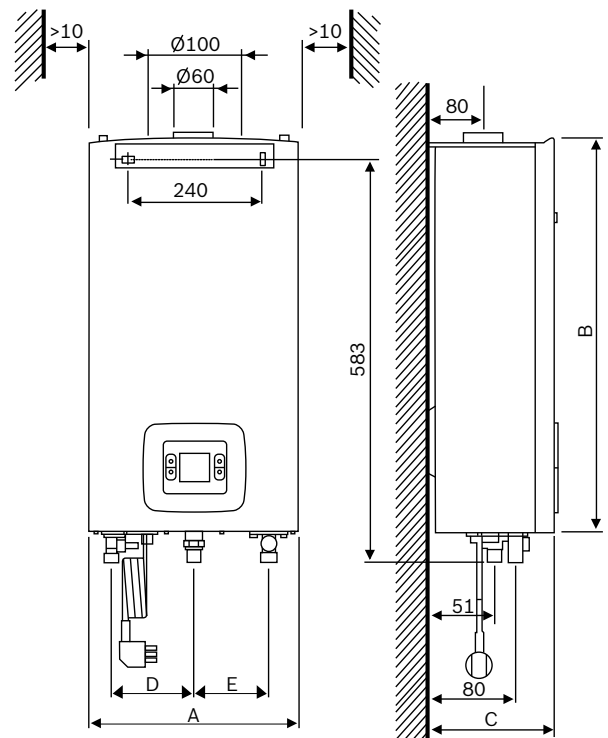


Product Benefits

- Room-sealed appliance
- Compact design - ideal for installations where space is a premium
- Inbuilt temperature controller
- Electronically controlled modulation
- 6 Star efficiency
- Solar compatible water heater
- Approved Bosch Co-axial flueing must be used
- 3 year parts and labour warranty
- 12 year heat exchanger warranty (part only)

Specifications

Specifications	Model			
	Unit	12L	16L	20L
Technical features				
Bluetooth Enabled Appliance		No		
Star Rating		6 Stars		
Solar Compatible		Yes		
Temperature Controllers		1 temperature controller		
Maximum Temperature		Preset at 55°C. Adjustable to 60°C and 70°C		
Weight (unpacked)	kg	10	11	12
Frost protection included		Yes		
Gas supply data				
Maximum Nominal Gas Consumption	Mj/h	90	120	149
Minimum Gas Supply Pressure - NG (in operation)	kPa	1.13		
Minimum Gas Supply Pressure - LPG (in operation)	kPa	2.75		
Water Supply Data				
Maximum Permissible Pressure (static)	kPa	1000		
Minimum Operating Pressure	kPa	100		
Minimum Operating Pressure for Max. Performance	kPa	200		
Minimum Water Flow	l/min	2.0		
L/min at 25°C Temperature Rise	l/min	12	16	20
Maximum Inlet Temperature	°C	80		
Electrical Circuit				
Power Supply Voltage	Vac	230 / 240		
Frequency	Hz	50		
Maximum Power - Frost Protection	W	165		
Maximum Power - Normal Operation	W	40	40	50
Warranty Details (Domestic)				
Parts and Labour	Years	3		
Heat Exchanger (part only)	Years	12		
Pipe Connection Sizes				
Gas Connection - NG or LPG	mm	15mm		
Cold Water	mm	15mm		
Hot Water	mm	15mm		



Measurements (mm)	A	B	C	D	E
12L model	300	570	170	120	107
16L model	364	570	175	142	137
20L model	364	570	175	142	137

Description	Part Number
4000S Internal 12L NG	7736502487
4000S Internal 12L LPG	7736502488
4000S Internal 16L NG	7736502495
4000S Internal 16L LPG	7736502496
4000S Internal 20L NG	7736502499
4000S Internal 20L LPG	7736502500

OptiFlow Professional Internal Flueing Guide

Which type of flue to use

OptiFlow Professional Internal flue must be used with these appliances. Any installations with the incorrect flue will not be approved and could pose a risk. The flue used for the OptiFlow Professional Internal is a 60/100 Ø coaxial flue. This flue allows the appliance to draw air in from outside, and expel flue gas back outside, making the appliance room sealed.

The flue materials used

Inner and outer layers are extruded aluminium. The outer layer is painted white.

Cutting the flue to length

Flue extensions can be cut to length. Care should be taken to remove burrs to maintain the integrity of the seal to the adjoining fitting.

Straight Flue Length Table

	12/16L	20L
Maximum vertical flue length	12m	10m
Maximum horizontal flue length	8m	6m

Reduction in lengths for bends

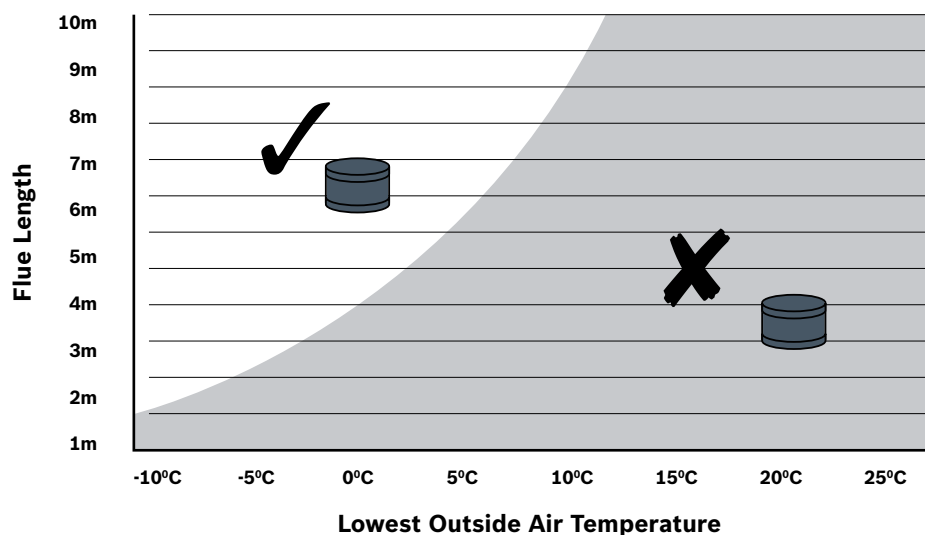
For every bend added to a flue configuration, the maximum acceptable flue length will reduce by the amount shown.

Flue Bend reduction Table

45° Bend	1m
90° Bend	2m

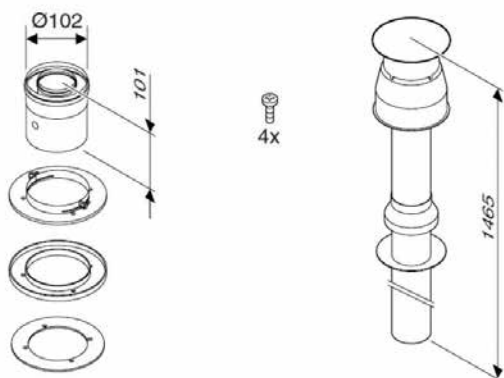
Condensate Traps

Condensate is more likely to form in longer lengths of flue, or when the outside ambient air temperature is low. The table below shows the length and temperature combinations when a condensate trap should be used. Condensate trap kits are supplied with all components required for installation.

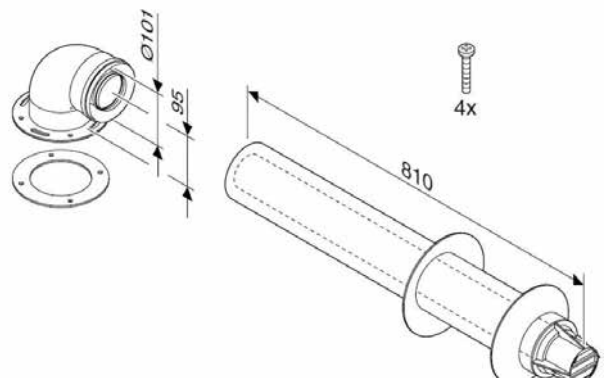
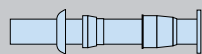


Selecting the Right Flue

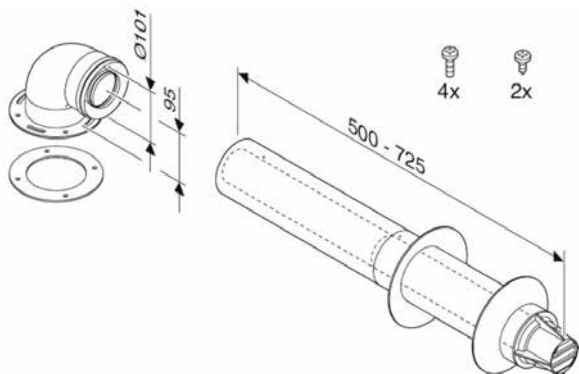
- 1 Map your flue configuration.
- 2 Check that the configuration, including bends, is within the maximum flue length limits.
- 3 Calculate whether a condensate trap is required using the table on page 8.
- 4 Choose the flue kit that best suits your application.
(The kit includes the appliance adaptor and terminal.)
- 5 Add any flue lengths, bends, or condensate traps required for your configuration.
- 6 Place your order using the Bosch part numbers shown below.


Vertical Flue Kit

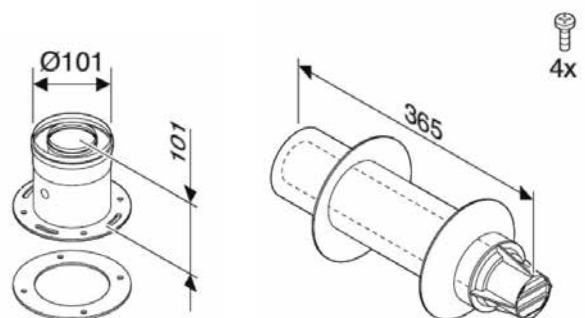
Part No: 7716050071


Fixed Length Horizontal Flue Kit

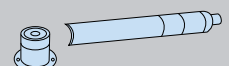
Part No: 7716050064

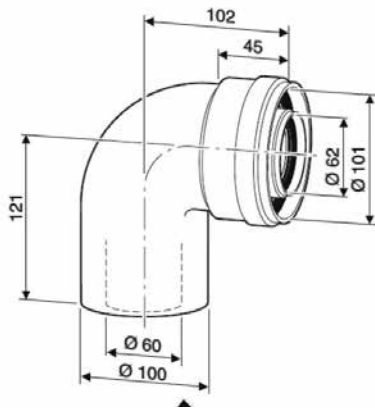

Telescopic Horizontal Flue Kit

Part No: 7716050063


Highline Horizontal Flue Kit

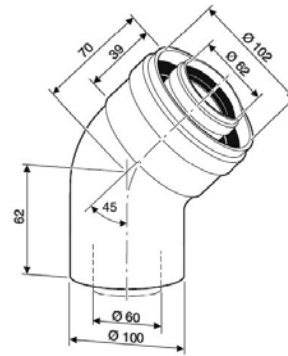
Part No: 7736995083





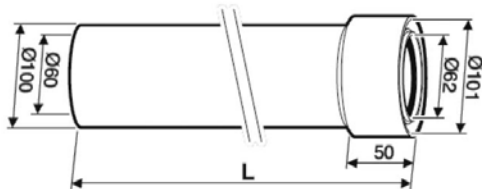
90° elbow

Part No: 7736995079



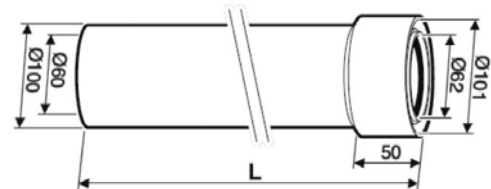
45° elbow

Part No: 7736995071



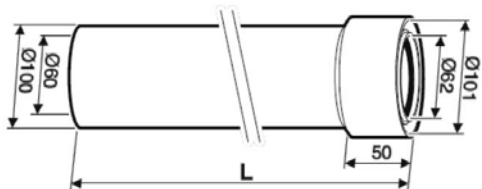
Straight Pipe 350 mm

Part No: 7736995059



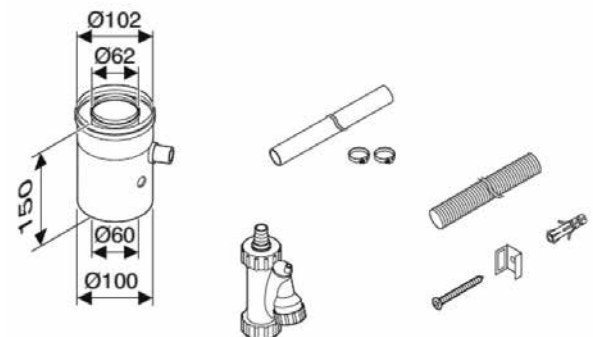
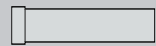
Straight Pipe 750 mm

Part No: 7736995063



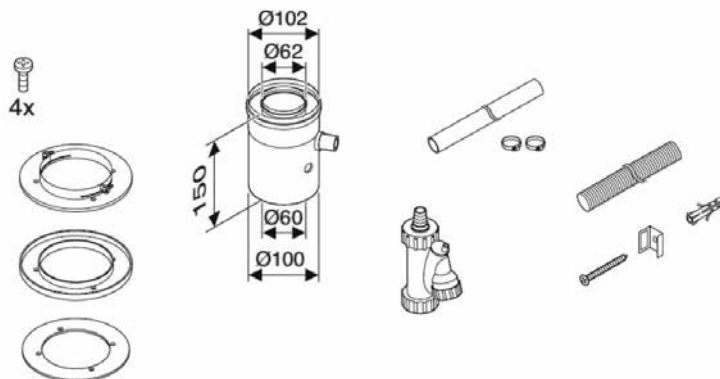
Straight Pipe 1500 mm

Part No: 7736995067



Horizontal Condensate Collector

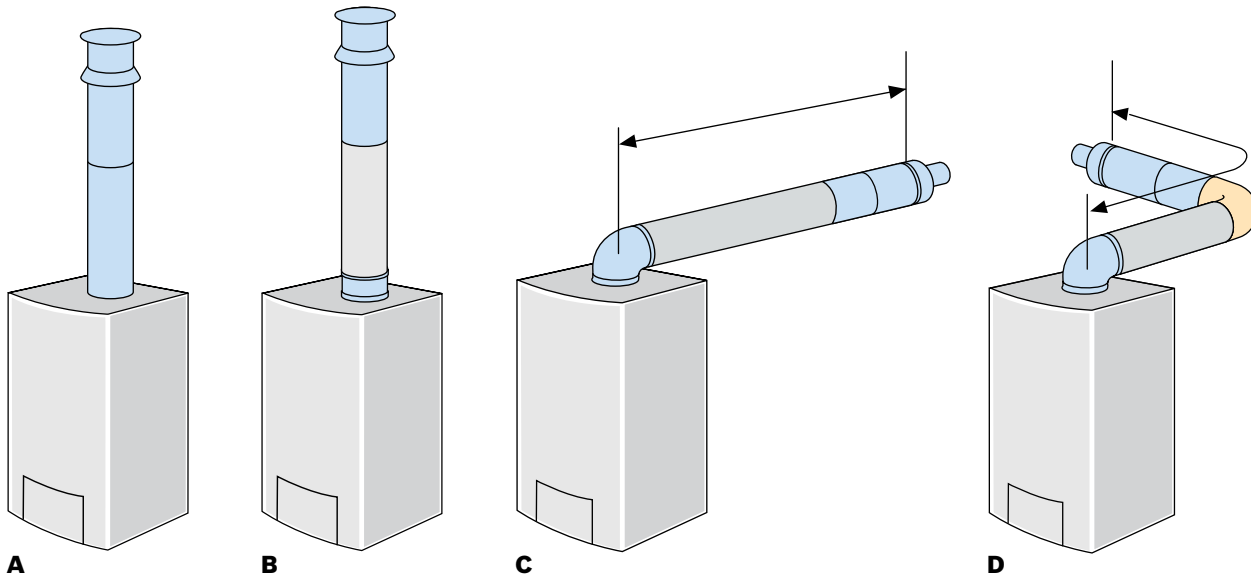
Part No: 7736995087



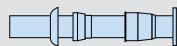
Vertical Condensate Collector

Part No: 7736995089

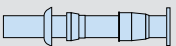







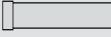
A Standard vertical flue – Minimum length

Components		
Part Numbers	7716050071	
Number of components required		
Ø60/100	1.4m	1




B Standard vertical flue

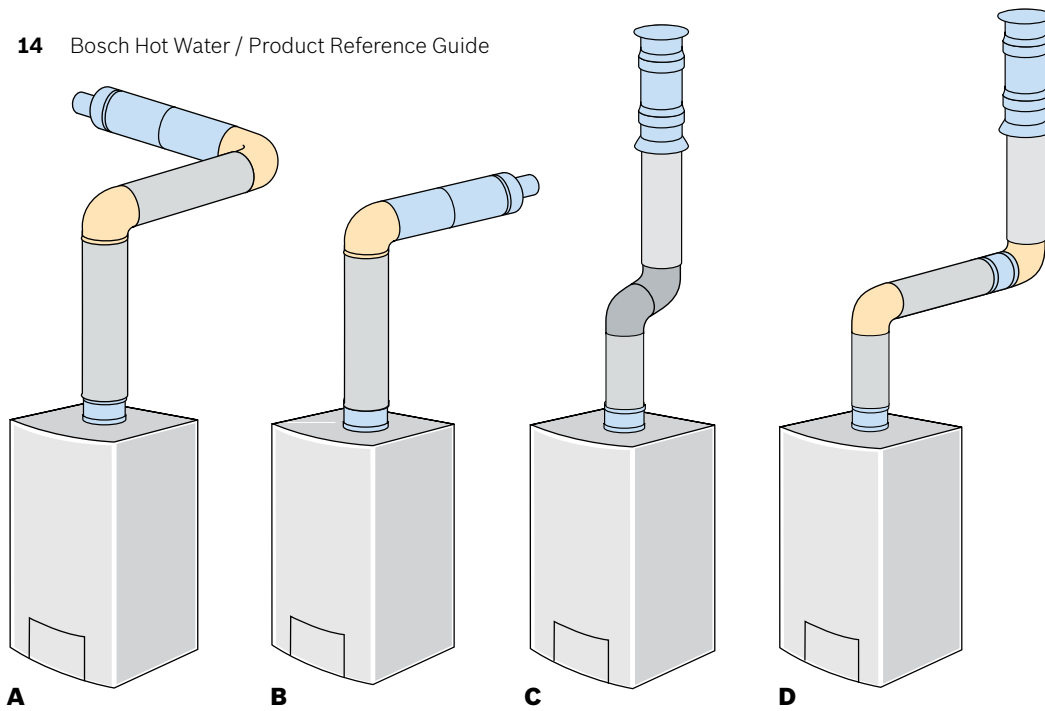
Components			
Part Numbers	7716050071	7736995059 (350mm) 7736995063 (750mm) 7736995067 (1500mm)	7736995089
Maximum length and number of components required			
Ø60 / 100	12m (12/16L) 8m (20L)	1	Up to 10.6m (12/16L) Up to 8.6m (20L)
			1 (if required)

C Standard horizontal flue assembly





Components		
Part Numbers	7716050064 (fixed length kit) or 7716050063 (telescopic kit)	7736995059 (350mm) 7736995063 (750mm) 7736995067 (1500mm)
Maximum length and number of components required		
Ø60/100	10m (12/16L) 6m (20L)	1
		Up to 9.5m (12/16L) Up to 5.5m (20L)

D Standard horizontal flue assembly with 90°





Components			
Part Numbers	7716050064 (Fixed length kit) or 7716050063 (Telescopic kit)	7736995079	7736995059 (350mm) 7736995063 (750mm) 7736995067 (1500mm)
Maximum length and number of components required			
Ø60 / 100	8m (12/16L) 4m (20L)	1	Up to 7.5m (12/16L) Up to 3.5m (20L)



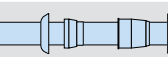



A Extension flue horizontal and upwards

Components					
Part Numbers		7736995083	7736995079	7736995059 (350mm) 7736995063 (750mm) 7736995067 (1500mm)	7736995089
Maximum length and number of components required					
Ø60 / 100	8m (12/16L) 4m (20L)	1	2	Up to 7.5m (12/16L) Up to 3.5m (20L)	1 (if required)

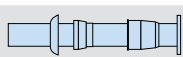




B Extension flue horizontal and upwards

Components					
Part Numbers		7736995083	7736995079	7736995059 (350mm) 7736995063 (750mm) 7736995067 (1500mm)	7736995089
Maximum length and number of components required					
Ø60 / 100	10m (12/16L) 6m (20L)	1	1	Up to 9.5m (12/16L) Up to 5.5m (20L)	1 (if required)

C Vertical flue – two 45° bends

Components					
Part Numbers		7716050071	7736995071	7736995059 (350mm) 7736995063 (750mm) 7736995067 (1500mm)	7736995089
Maximum length and number of components required					
Ø60/100	10m (12/16L) 6m (20L)	1	1 (2 x bends per pack)	Up to 8.6m (12/16L) Up to 4.6m (20L)	1 (if required)

D Vertical flue – two 90° bends

Components						
Part Numbers		771650071	7736995079	7736995059 (350mm) 7736995063 (750mm) 7736995067 (1500mm)	7736995087	7736995089
Maximum length and number of components required						
Ø60 / 100	8m (12/16L) 4m (20L)	1	2	Up to 7.5m (12/16L) Up to 3.5m (20L)	1 (if required)	1 (if required)

Controllers - OptiFlow Models

OptiFlow Controllers are each supplied with a 20m cable. Any combination of bathroom and main controllers can be used, however at least one main controller must be used if a set temperature above 50°C is required.



Main Controller (Part no: 7736504469)



Bathroom Controller (Part no: 7736504467)

HighFlow Condensing Controllers

Suitable for Highflow C21 & C26 models. Each supplied with a 10m cable. A Main Controller must be installed as the first controller so that the maximum temperature can be reached. The bathroom controller has a maximum temperature of 50°C, as do the Sub Controllers which can be used as the third & forth controller.



Main Controller (Part no: YPRM67XBN)



Bathroom Controller (Part no: YPRS67XBN)



Sub Controller (Part no: YPRP62XBN)

OptiFlow External Installation Accessories

Description		Part Number
Recess Box	Suitable for OptiFlow External 16L, 20L & 26L models	8736200263
	Flashing kit for Weatherboard	8736200250
	Flashing kit for Brick	8736200251
Pipe Cover	Suitable for OptiFlow External 16L, 20L & 26L models	8736200260



Recess Box



Pipe Cover

HighFlow Condensing 21L & 26L*



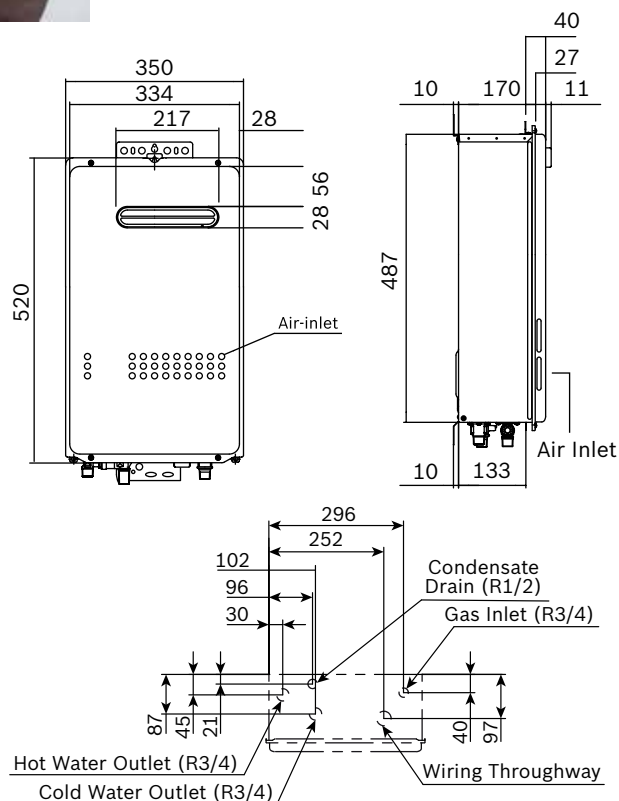
Product Benefits

- 6 Star efficiency
- Reduces energy use by 12%**
- Continuous flow technology
- Up to 4 temperature controllers can be installed
- Compact, lightweight design
- 3 year parts and labour warranty
- 10 year heat exchanger warranty (part only)

Specifications	Unit	C21		C26	
		NG	LPG	NG	LPG
Technical features					
Energy Star Rating		6.9	6.9	6.7	6.7
Operating Pressure	kPa	200 - 1000 kPa			
Minimum flow rate (at 20°C inlet temp)	L/min	2.5 L/min			
Weight	kg	17		18	
Maximum inlet water temperature	°C	50°C		50°C	
Frost protection included		Yes			
Connection Sizes					
Water inlet	mm	R ¾ (20mm)			
Power Supply					
Power Supply		230/240 VAC (50Hz)			
Power Consumption - Standard	W	40.6W		46.8W	
Power Consumption - Anti Freeze	W	130W			
Gas					
Maximum Gas Consumption	Mj/hr	145	149	175	185
Capacity					
Maximum Hot Water Capacity	25°C rise	21 L/min		26 L/min	
Accessories					
Maximum number of controllers		4		4	

*check product availability

**when compared to equivalent non-condensing models



Description	Bosch Part Number
Bosch Condensing 21L 55°C NG	BC2180RANG
Bosch Condensing 21L 55°C LPG	BC2180RALP
Bosch Condensing 26L 55°C NG	BC2680RANG
Bosch Condensing 26L 55°C LPG	BC2680RALP

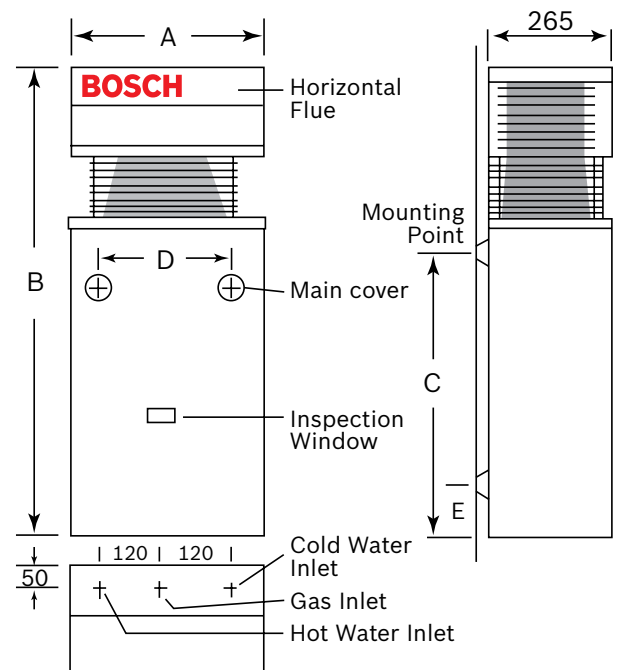
HydroPower 10L, 13L & 16L



Product Benefits

- HydroPower ignition – no electricity supply required
- Continuous flow technology – heats only when required
- Constant, reliable source of hot water
- Energy efficient
- External installation
- 2 year parts and labour warranty
- 10 year heat exchanger warranty (part only)

Specifications	Model		
	Bosch 10H	Bosch 13H	Bosch 16H
Technical features			
Part Number	TF250-8G	TF325-8G	TF400-8G
Installation	External		
Ignition	Hydro		
L/min at 25°C Temperature Rise	10	13	16
Number of bathrooms	1	1	1-2
Min. inlet water pressure (kPa)	30	40	50
Min. constant water pressure for Max. flow (kPa)	60	100	130
Max. inlet water pressure (kPa)	800	800	800
Max gas consumption MJ/H	79	104	130
Star Rating	5.3	5.2	5.0
Min. Flow (L/min)	3.5	3.5	3.5
Gas Type	NG/LPG	NG/LPG	NG/LPG
Unit Height (mm)	845	845	936
Unit Width (mm)	405	405	460
Unit Depth (mm)	265	265	265
Carton Weight (Kg)	21	22	25
Domestic Warranty			
Parts and Labour	2 Years		
Heat Exchanger (part only)	10 Years		
Pipe Connection Size			
Natural gas (NG)	20 mm		
LP gas	15 mm		
Cold Water	15 mm		
Hot Water	15 mm		



Dimensions			
	10H (mm)	13H (mm)	16H (mm)
A	405	405	460
B	845	845	936
C	533	533	533
D	240	240	240
E	68	68	82

Description	Bosch Part Number	Part Number
Bosch 10H External NG	TF250-8GNG	7716462901
Bosch 10H External LPG	TF250-8GLP	7716463301
Bosch 13H External NG	TF325-8GNG	7716472601
Bosch 13H External LPG	TF325-8GLP	7716473601
Bosch 16H External NG	TF400-8GNG	7716482601
Bosch 16H External LPG	TF400-8GLP	7716483601

Internal Compact 10L, 13L & 16L

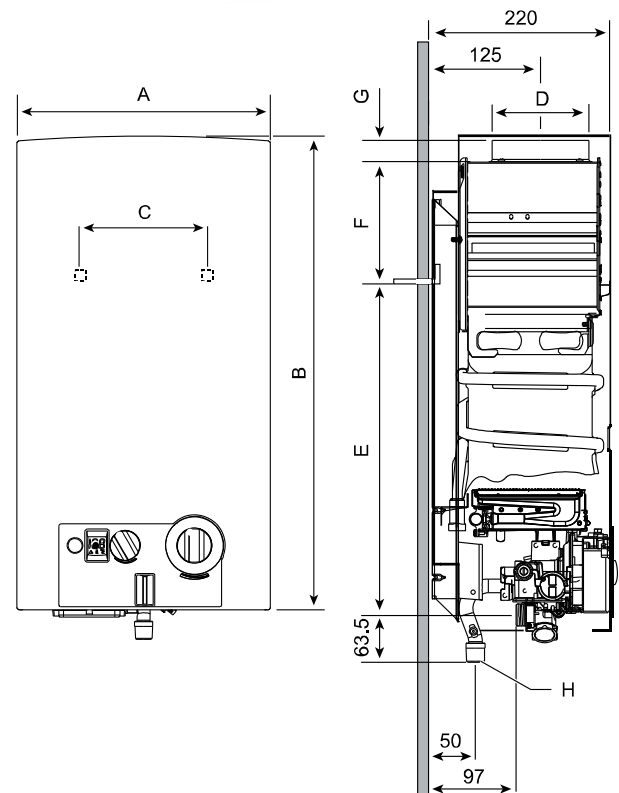


Product Benefits

- Automatic ignition
- Internal installation (vertical flueing required) making it perfect for frost prone areas
- Improved safety features to provide reassurance for your family
- Flexible water connections for easy installation
- Small, compact and attractive design making it ideal for small homes where space is limited
- Lower flow rate available which allows water to be heated when only a small amount of water is being consumed
- Digital temperature display and user friendly controls
- 2 year parts and labour warranty
- 10 year heat exchanger warranty (part only)

Specifications

Specifications	Model		
	Ci10	Ci13	Ci16
Technical fatures			
Part Number	GWH10-2G	GWH13-2G	GWH16-2G
Installation	Internal	Internal	Internal
Ignition	Automatic	Automatic	Automatic
L/min at 25°C Temperature Rise	10	13	16
No. of bathrooms	1	1	1-2
Min. inlet water pressure (kPa)	50	50	50
Min. constant water pressure for Max. flow (kPa)	100	140	170
Max. inlet water pressure (kPa)	1000	1000	1000
Mj/H	79	100 NG/97 LP	127
Star Rating	5.3	4.5	4.6
Min. Flow (L/min)	2.5	2.5	2.5
Gas Type	NG/LPG	NG/LPG	NG/LPG
Unit Height (mm)	580	655	655
Unit Width (mm)	310	350	425
Unit Depth (mm)	220	220	220
Dry Weight (Kg)	10.2	11.8	13.65
Flue Pipe Sizes (mm)	100	125	125
Domestic Warranty			
Parts and Labour	2 Years		
Heat Exchanger (part only)	10 Years		
Pipe Connection Size			
Natural gas (NG)	20 mm		
LP gas	15 mm		
Cold Water	15 mm		
Hot Water	15 mm		



Dimensions			
	Ci10 (mm)	Ci13 (mm)	Ci16 (mm)
A	310	350	425
B	580	655	655
C	228	228	334
D	115	140	140
E	463	510	540
F	60	95	65
G	25	30	30

Description	Bosch Part Number	Part Number
Bosch Ci10 Internal NG	GWH10-2GNG	7701331614
Bosch Ci10 Internal LPG	GWH10-2GLP	7701531975
Bosch Ci13 Internal NG	GWH13-2GNG	7702331714
Bosch Ci13 Internal LPG	GWH13-2GLP	7702531974
Bosch Ci16 Internal NG	GWH16-2GNG	7703331744
Bosch Ci16 Internal LPG	GWH16-2GLP	7703531948

Tronic 1000T

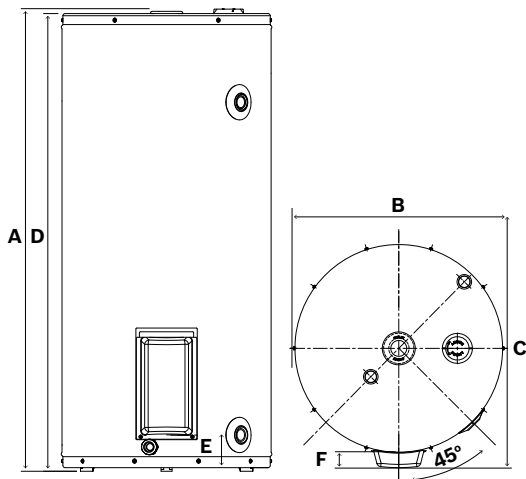
Electric Storage Water Heater



Product Benefits

- Durable vitreous enamel lined steel tanks
- Thicker anode extends tank life
- Thick, high quality insulating foam improves efficiency
- Suitable for internal & external installations
- Complete range of element sizes
- 2 year parts and labour warranty
- 7 year cylinder warranty
- Bosch quality and reliability as standard

90L, 135L, 180L



Hot Water Delivery		90L	135L	180L	260L	330L
2.0 Kw Rating	kW	✓	✓	✓		
3.0 Kw Rating	kW	✓	✓	✓	✓	✓
4.0 Kw Rating	kW				✓	✓
Relief valve setting	kPa	850				
Expansion control valve (ECV)	kPa	700				

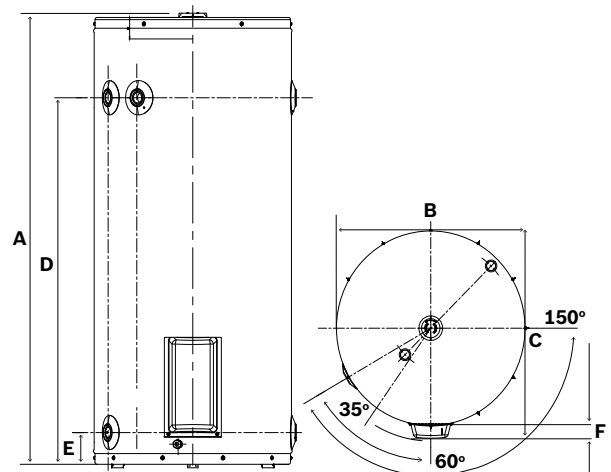
Max Water Supply Pressure

with ECV	kPa	500				
without ECV	kPa	680				
Water connections		RP 3/4" / 20mm				
Set Temperature	°C	65				

Dimensions

A Height	mm	1047	1480	1422	1407	1710
B Width mm	mm	470	470	540	648	648
C Depth mm	mm	505	505	575	683	683
D Height HW outlet	mm	1047	1480	1422	1161	1464
E Height CW inlet	mm	74	74	74	74	74
F Width Wiring Access Panel	mm	35	35	35	35	35
Approx. Weight (Empty)	kg	37	48	57	83	94

260L, 330L



Description	Bosch Part No.
Tronic 1000T 90L 2.0kW	7716500235
Tronic 1000T 90L 3.0kW	7716500236
Tronic 1000T 135L 2.0kW	7716500240
Tronic 1000T 135L 3.0kW	7716500241
Tronic 1000T 180L 2.0kW	7716500245
Tronic 1000T 180L 3.0kW	7716500246
Tronic 1000T 260L 3.0kW	7716500249
Tronic 1000T 260L 4.0kW	7716500250
Tronic 1000T 330L 3.0kW	7716500253
Tronic 1000T 330L 4.0kW	7716500254

Compress 3000

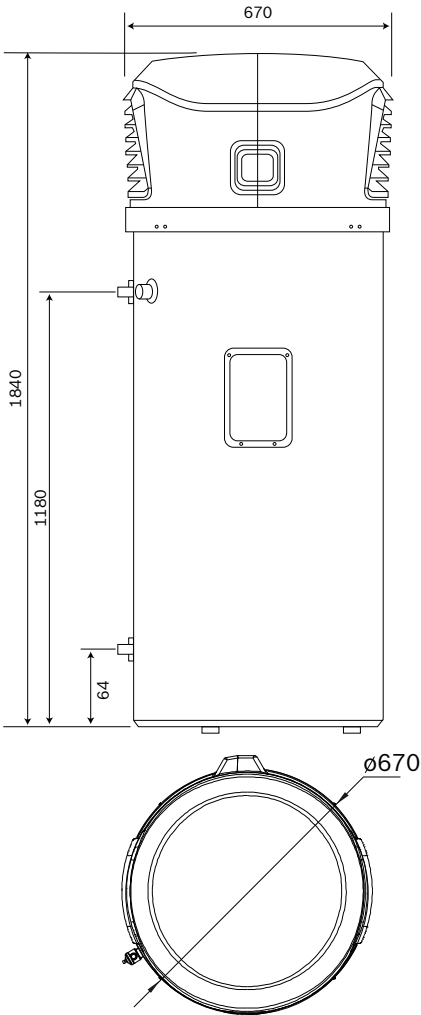
Heat Pump Water Heater



Product Benefits

- Highly efficient heat pump – reduces energy by up to 65%*
- Smart Controls take advantage of:
 - Cheaper overnight power prices
 - PV Solar energy generation systems
 - Noise reduction mode
- Large 270L tank
- Designed for easy and low-cost installation and servicing
- Can be transported lying down for up to 500km***
- The heat pump operates from -7°C to +40°C, delivering energy efficient hot water even in colder New Zealand climates
- A water softening device is recommended for hard water applications

Specifications	Model	
	Unit	270L
Part Number	7736501960	
Technical features		
HeatPump operating temperatures	°C	-7 to 40
Complete appliance operating temperatures	°C	-10 to 40
Outlet Water Temperature	°C	37 to 65
Outlet water set temperature range	°C	37 to 60
Storage capacity (L)	L	270
Hot water delivery at °40C	L	335 ± 20
Max water relief pressure	kPa	1000
Max water relief pressure	kPa	800
COP**		3.3
Heat Pump Module		
Max power input	kW	0.6
Max current	A	2.6
Heat pump heating capacity	kW	1.5
Back Up Electric Element		
Maximum power input	kW	1.65
Total maximum current	A	7.2
Appliance Total		
Maximum heating capacity	kW	3.15
Maximum power input	kW	2.25
Maximum current	A	9.8
Product Dimensions		
Net empty weight	kg	130
Refrigeratiuon type / mass	kg	R134a / 0.375
Domestic Warranty		
Parts & Labour	Years	2
Tank (part only)	Years	5



Note: Heat pumps use the ambient temperature in surrounding air to heat water in the tank. This means as the air temperature around the tank decreases, the time taken to heat the full tank increases. Customers in colder climates and frost prone areas should consider this when deciding which type of Bosch system is best for their circumstances.

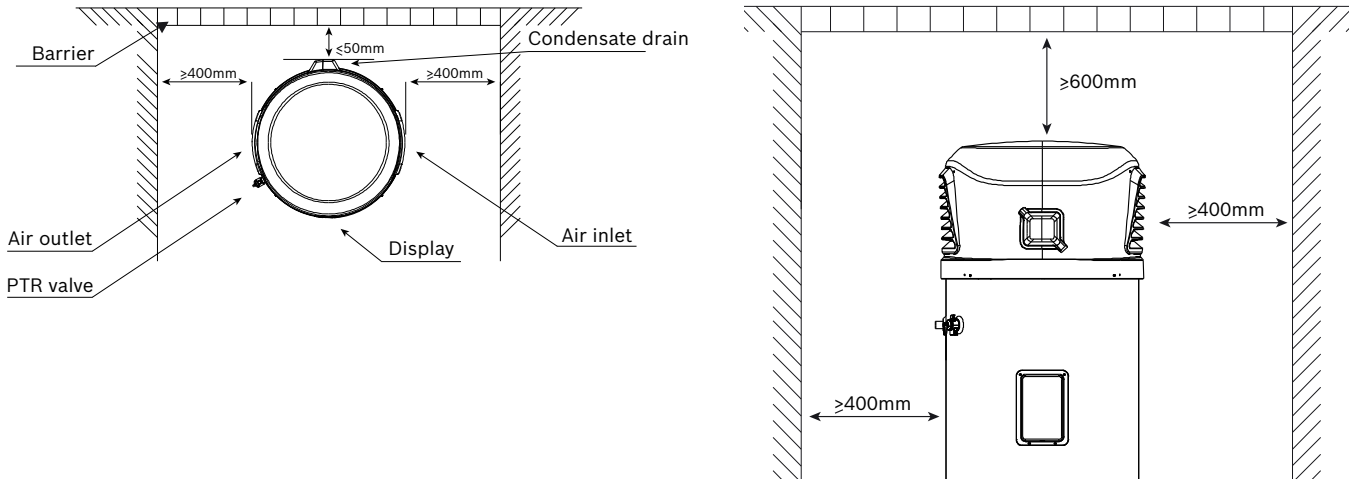
* When compared with a conventional electric storage system.

** COP as measured under the following conditions:
air 15°C; RH 70%; water 15°C-60°C.

*** Must remain in an upright position for 30 minutes before connecting power during installation

Clearances

Heatpumps draw heat from the air surrounding the appliance. For this reason they must have sufficient clearance on both sides (at least 400mm) to allow air to pass through the appliance. Bosch also recommends that the a clearance of at least 50mm from the wall, and 600mm above the appliance is allowed so that components are easily accessible for servicing.



Heat pump module purge

During installation the water loop in the heat pump module must be purged to expel possible air locks. This process should be followed once the appliance has been connected to water lines and electricity, and the heat pumps tank has been filled.

- Step 1** Turn the appliance on at the electrical isolating switch. Program the date and time into the appliance.
- Step 2** Rotate the circulation pump speed selector to position “III”.
- Step 3** Make sure that appliance is in Manual (man) mode. Activate the Purge (Purg) function in the appliance controls. Press the “menu” button then use the ‘+’, ‘-’ and ‘ok’ buttons to select the Purge function using the following pathway: select “Set” -> select “Purg”. -> select “OK”
- Step 4** Open the brass bleed valve at the top of the water-loop inside the module (see fig 1) and allow water and bubbles to escape. Leave open for 30 to 60 seconds.
- Step 5** When no air bubbles are visible in the stream, close the brass bleed valve.
- Step 6** Open the purge screw on the side of the circulation pump (see fig 2) and leave open until water drains uniformly without air bubbles. Close the purge screw.
- Step 7** The Purge mode will continue to run for 5 mins. When complete, return the pump speed selector to position “I”.

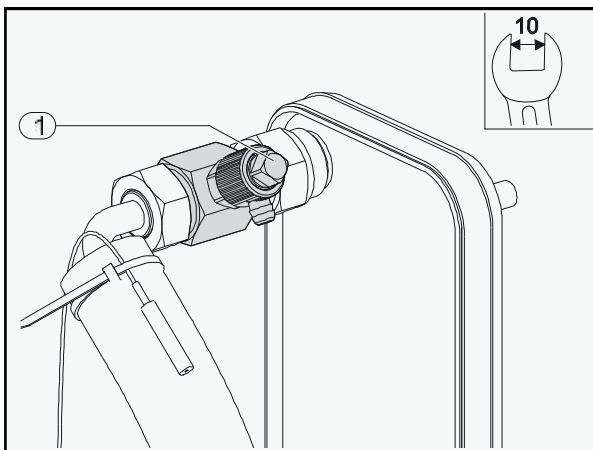


Figure 1

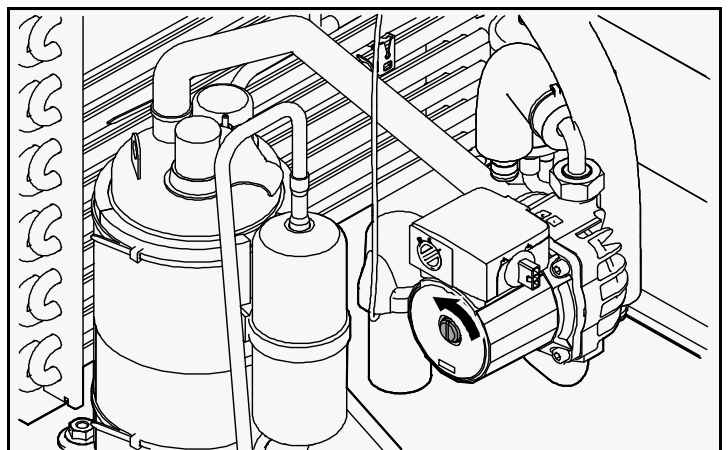


Figure 2

Warranty & Service Information



Warranty

The OptiFlow models are covered by a comprehensive 3 year parts and labour warranty, and a 12 year heat exchanger (part only) warranty. The Bosch Highflow Condensing models are covered by a 3 year parts and labour, and a 10 year heat exchanger (part only) warranty. The Bosch HydroPower and Internal Compact ranges are covered by a 2 year parts and labour warranty, and a 10 year (part only) warranty.

For a full copy of the Bosch Warranty Statement, please visit our website www.bosch-climate.co.nz or call 0800 54 33 52.

Servicing

To ensure your appliance's quality and performance is optimised, Bosch recommends having your unit serviced no less than once every 2 years. Having your product inspected and cleaned periodically by an authorised Bosch service technician not only ensures peak operation but also extends the life of the appliance.

For contact details of your nearest service agent please phone our Customer Contact Centre on 0800 54 33 52.

Bosch e-Learning Training Program



Bosch Hot Water and Heating has introduced a new and exciting initiative for providing training for people involved in the sales, installation, and service of hot water products.

The e-Learning system provides a comprehensive training solution where you can:

- ▶ book into face to face training courses
- ▶ participate in e-Learning courses
- ▶ download technical and spare parts information.

The e-Learning Program is online and live which ensures you have the most up to date and current Bosch hot water and heating information.

We welcome you to our community and encourage you to explore our system by visiting:

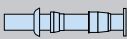










www.boschhotwatertraining.co.nz

Quick Reference Guide

Model	Part Numbers		Dimensions H x W x D mm	Mj/h	Gas	Cold	Hot	Warranty	
	Natural Gas	LPG			Pipe Connection Sizes (mm)			Heat Exchanger Part (Years)	Parts & Labour (Years)

GAS CONTINUOUS FLOW MODELS*

OptiFlow Professional with Bluetooth Connectivity 16L, 20L, 26L									
16L	7736503994	7736503995	524 x 344 x 170	122	20	20	20	12	3
20L	7736503996	7736503997	524 x 344 x 170	149	20	20	20	12	3
26L	7736503998	7736503999	524 x 344 x 170	199	20	20	20	12	3
OptiFlow Professional External 12L - Easy retrofit									
12L	7736502491	7736502492	563 x 300 x 170	90	15	15	15	12	3
OptiFlow Professional Internal - Room sealed, flued appliance									
12L	7736502487	7736502488	570 x 300 x 170	90	15	15	15	12	3
16L	7736502495	7736502496	570 x 364 x 175	120	15	15	15	12	3
20L	7736502499	7736502500	570 x 364 x 175	149	15	15	15	12	3

Bosch Co-axial Flue - must be used with the OptiFlow Professional Internal Range. Please refer to the Bosch Product Reference Guide for flue configurations					
Vertical Flue Kit	Part No: 7716050071		90° elbow	Part No: 7736995079	
Fixed Length Horizontal Flue Kit	Part No: 7716050064		45° elbow	Part No: 7736995071	
Telescopic Horizontal Flue Kit	Part No: 7716050063		Straight Pipe 350 mm	Part No: 7736995059	
Highline Horizontal Flue Kit	Part No: 7736995083		Straight Pipe 750 mm	Part No: 7736995063	
Straight Pipe 1500 mm	Part No: 7736995067		Horizontal Condensate Collector	Part No: 7736995087	
Vertical Condensate Collector	Part No: 7736995089				

HydroPower - No power point required									
10L	7716462901	7716462901	845 x 405 x 265	79	15	15	15	10	2
13L	7716472601	7716473601	845 x 405 x 265	104	15	15	15	10	2
16L	7716482601	7716483601	936 x 460 x 265	130	15	15	15	10	2
Internal Compact - No power point required, ideal for frost prone areas									
10L	7701331614	7701531975	580 x 310 x 220	79	15	15	15	10	2
13L	7702331714	7702531974	655 x 350 x 220	100	15	15	15	10	2
16L	7703331744	7703531948	655 x 425 x 220	127	15	15	15	10	2

Part Numbers			Dimensions H x W x D mm	Cold	Hot	Warranty	
2.0kW	3.0kW	4.0kW		Pipe Connection Sizes (mm)		Cylinder Part (Years)	Parts & Labour (Years)

ELECTRIC STORAGE MODELS

Tronic 1000T - Bosch quality and reliability as standard								
90L	7716500235	7716500236		1060 x 470 x 510	20	20	7	2
135L	7716500240	7716500241		1511 x 470 x 510	20	20	7	2
180L	7716500245	7716500246		1512 x 540 x 580	20	20	7	2
260L		7716500249	7716500250	1407 x 648 x 690	20	20	7	2
330L		7716500253	7716500254	1710 x 648 x 690	20	20	7	2

Compress 3000 Heat Pump - Reduces energy usage by up to 65%** and PV solar energy system compatible								
270L	7736501960			1840 x 670			5	2

*L/min continuous hot water delivery @25°C rise

**When compared with a conventional electric storage water heater.

Robert Bosch Australia Pty. Ltd.

New Zealand

Sales Hotline: 0800 54 33 52

Sales Fax: 0800 54 33 55

www.bosch-climate.co.nz

Technical data subject to modification without notice.

Printed in New Zealand. Any color variations are due to the limitations of the printing process.

Printed on 100% chlorine-free bleached cellulose manufactured in an environmentally friendly process.