



TOTAL TANKS

WATER STORAGE SYSTEMS
AND ACCESSORIES



Davant Range of Total Tanks Water Storage Systems

WRAS Approved

- Rectangular and circular tanks manufactured to BS4213:2004.
- All Tanks WRAS approved.
- Full range of Byelaw 30 and 60 kits available to allow compliance with Water Byelaws.
- Snap fit lids available for all Tanks.
- Innovative design avoids use of metal reinforcing bars eliminating corrosion.
- 500 hour hot water tested at 95°C.
- Rectangular and circular tanks designed to allow efficient stackability and nesting.
- Wide range of capabilities and sizes.
- Lightweight.
- Single Piece Moulding.
- Ideal for domestic water storage.
- B25 Gallon Circular and B50 Gallon Circular supplied in flexible style to allow passage through the loft hatch.

INSTALLATION INSTRUCTIONS

- It is recommended to test cistern prior to installation to ensure integrity.
- Support tank across entire base and ensure support is adequate to carry at least the full weight of the cistern.
- Position cistern away from any source of heat.
- Use PTFE tape for sealing connections. Never use jointing compound or putty.
- Do not over tighten fixtures.
- Support cistern when drilling.
- All pipework to pass through cistern wall at an angle of 90°.
- Do not allow pipework to distort cistern.
- Drill hole where required, avoid creating scores or notches when marking and drilling.
- Do not drill holes in cistern prior to passing through narrow loft opening.
- Brass, rigid plastic or metal suitably protected support washers shall be fitted internally and externally to all underwater pipe connections.
- Use a backing plate in conjunction with ball valve. Fit externally, with the centre line of the float operated valve a minimum of 60 (+/-5) mm from top of cistern.
- To comply with water bylaw 30 or 60, always use a byelaw 30 kit or 60 kit.
- Seek the advice of a plumber, structural engineer or building surveyor where necessary.

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PRODUCT

Davant Total Tanks

Technical Information



1. RECTANGULAR TANKS

Code	Litres Actual	Litres Nominal	Gallons Actual	Gallons Nominal	Length (mm)	Length (ins)	Width (mm)	Width (ins)	Height (mm)	Height (ins)
BM4R	18	45	4	10	442	17 ³ / ₈	296	11 ⁵ / ₈	305	12
BM15R	68	112	15	25	600	24	425	17	425	17
BM20R	91	135	20	30	665	26 ¹ / ₄	490	19 ¹ / ₄	510	20 ¹ / ₁₆
BM25R	114	182	25	40	736	29	584	23	533	21
BM40R	182	270	40	60	940	37	610	24	590	23 ¹ / ₄
BM50R	227	315	50	70	1155	45	635	25	600	23 ¹ / ₂

2. CIRCULAR TANKS

Code	Litres Actual	Litres Nominal	Gallons Actual	Gallons Nominal	Upper Ø (mm)	Upper Ø (ins)	Lower Ø (mm)	Lower Ø (ins)	Height (mm)	Height (ins)
B25C (flexible)	114	182	25	40	686	27	580	23	533	21
B50C (flexible)	227	315	50	70	838	33	748	30	610	24
B100C	455	682	100	150	1041	41	938	37	787	31

3. LOFT TANKS

Code	Litres Actual	Litres Nominal	Gallons Actual	Gallons Nominal	Length (mm)	Length (ins)	Width (mm)	Width (ins)	Height (mm)	Height (ins)
B25X	114	182	25	40	1120	45	485	20	395	16
B50X	227	315	50	70	1420	56	530	21	490	20
B100X	455	682	100	150	1790	71	644	26	590	24

4. GALVANISED DIMENSIONS - REPLACEMENT (PLASTIC)

Code	Litres	Gallons	Length (mm)	Length (ins)	Width (mm)	Width (ins)	Height (mm)	Height (ins)
B241717T (FCGR9)	41	9	635	25	432	17	381	15
B241524T (FCGR14)	68	15	610	24	330	13	610	24
B202020T (FCGR20)	91	20	508	20	508	20	508	20
B272020T (FCGR15)	68	15	660	26	483	19	457	18



Davant Range of Total Tanks

Water Storage Tanks - Rectangular

1. BM4R - Rectangular Tank and Lid

Code	Capacity	Lid Code
BM4R	18 litres	BM4RL

2. BM15R - Rectangular Tank and Lid

Code	Capacity	Lid Code
BM15R	68 litres	BM15RL

3. BM20R - Rectangular Tank and Lid

Code	Capacity	Lid Code
BM20R	91 litres	BM20RL

4. BM25R - Rectangular Tank and Lid

Code	Capacity	Lid Code
BM25R	114 litres	BM25RL

5. BM40R - Rectangular Tank and Lid

Code	Capacity	Lid Code
BM40R	182 litres	BM40RL

6. BM50R - Rectangular Tank and Lid

Code	Capacity	Lid Code
BM50R	227 litres	BM50RL

* For further information regarding dimensions please refer to the Technical Specification table on page 3



Davant Range of Total Tanks Water Storage Tanks - Circular



1. B25C - Circular Tank and Lid

Code	Capacity	Lid Code
B25C (flexible)	114 Litres	B25CL

2. B50C - Circular Tank and Lid

Code	Capacity	Lid Code
B50C (flexible)	227 Litres	B50CL

3. B100C - Circular Tank and Lid

Code	Capacity	Lid Code
B100C	455 Litres	B100CL

* For further information regarding dimensions please refer to the Technical Specification table on page 3



Davant Range of Total Tanks

Water Storage Tanks - Loft Tanks

1. B25X - Loft Tank

Code	Capacity	Lid Code
B25X	114 Litres	BXL

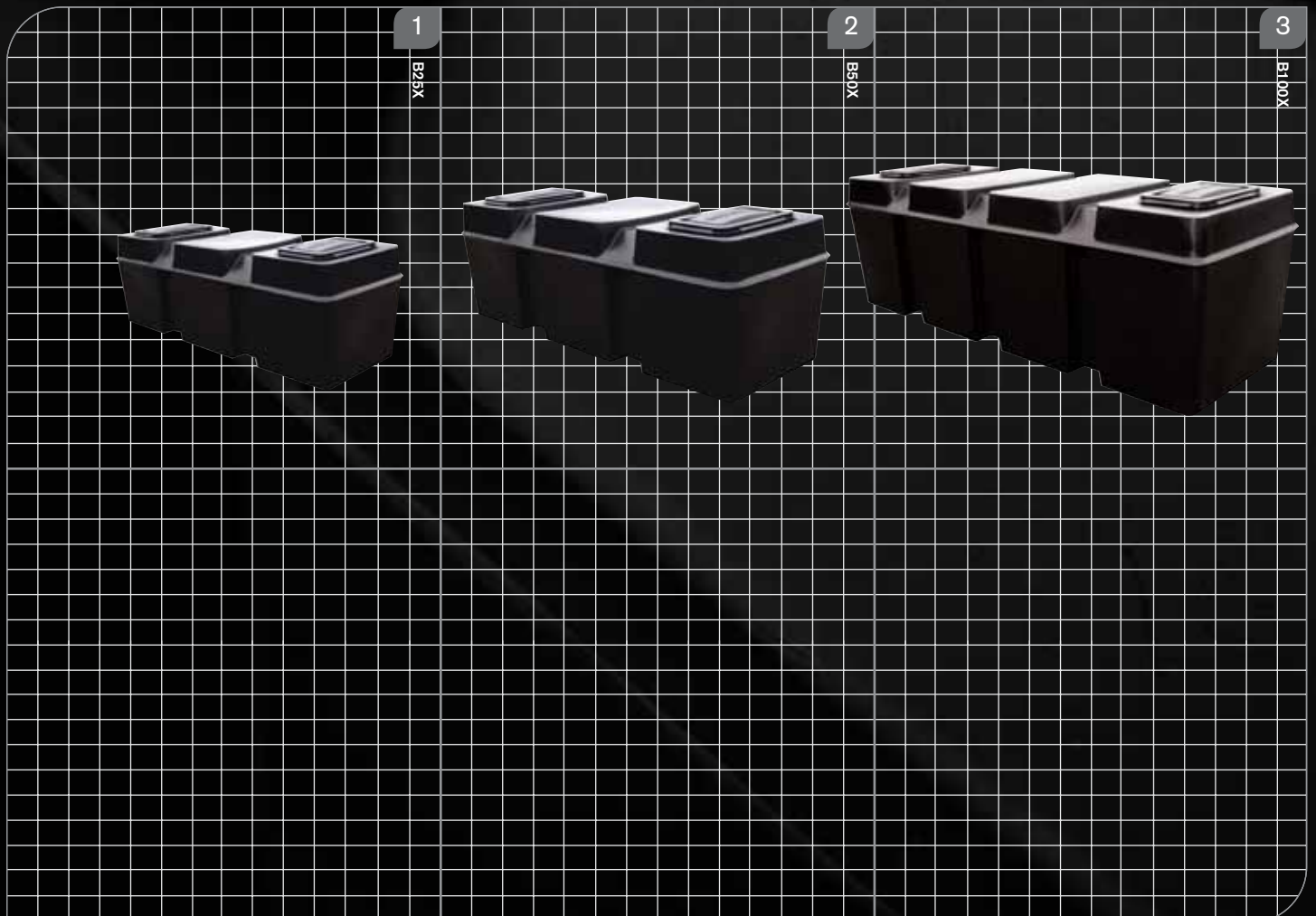
2. B50X - Loft Tank

Code	Capacity	Lid Code
B50X	227 Litres	BXL

3. B100X - Loft Tank

Code	Capacity	Lid Code
B100X	455 Litres	BXL

* For further information regarding dimensions please refer to the Technical Specification table on page 3
N.B. Two loft tank lids included in price



Davant Range of Total Tanks

Water Storage Tanks - Galvanised Replacement Tanks



1. B241715T (FCGR9) - Tank and Lid

Code	Capacity	Lid Code
B241717T	41 Litres	B241717L

2. B242524T (FCGR14) - Tank and Lid

Code	Capacity	Lid Code
B241524T	68 Litres	B241524L

3. B272020T (FCGR15) - Tank and Lid

Code	Capacity	Lid Code
B272020T	68 Litres	B272020L

4. B202020 (FCGR20)

Code	Capacity
B202020T	91 Litres

* For further information regarding dimensions please refer to the Technical Specification table on page 3



Davant Range of Total Tanks Jackets

1. RECTANGULAR JACKET

Code

B4RJ
B15RJ
B20RJ
B25RJ
B40RJ
B50RJ

2. CIRCULAR JACKET

Code

B25CJ
B50CJ
B100CJ

3. LOFT TANK JACKET

Code

B25XJ
B50XJ
B100XJ

1

RECTANGULAR JACKET

2

CIRCULAR JACKET

3

LOFT TANK JACKET

Davant Range of Total Tanks Byelaw 30 & 60 Packs



1. BYELAW 30 & 60 PACK (RECTANGULAR) Comprises of Lid, Jacket & Byelaw Kit

Byelaw 30 Pack Code A

B4RA
B15RA
B20RA
B25RA
B40RA
B50RA

*These items are not required or supplied with B4R

Byelaw 60 Pack B Code

B4RB
B15RB
B20RB
B25RB
B40RB
B50RB

3. BYELAW 30 & 60 PACK (LOFT TANKS) Comprises of Lid, Jacket & Byelaw Kit

Byelaw 30 Pack Code A

B25XA
B50XA
B100XA

*Loft tank is sold complete with lid

Byelaw 60 Pack B Code

B25XB
B50XB
B100XB

4. BYELAW 30 & 60 PACK (GALVANISED REPLACEMENT) Comprises of Lid, Jacket & Byelaw Kit

Byelaw 30 Pack Code A

B241717XA
B241524XA
B272020XA
B202020XA

*See item 1 on page 10 for reference picture of kit components

Byelaw 60 Pack B Code

B241717XB
B241524XB
B272020XB
B202020XB

2. BYELAW 30 & 60 PACK (CIRCULAR) Comprises of Lid, Jacket & Byelaw Kit

Byelaw 30 Pack Code A

B25CA
B50CA
B100CA

Byelaw 60 Pack B Code

B25CB
B50CB
B100CB

BYELAW 30 & 60 KIT DIAGRAM

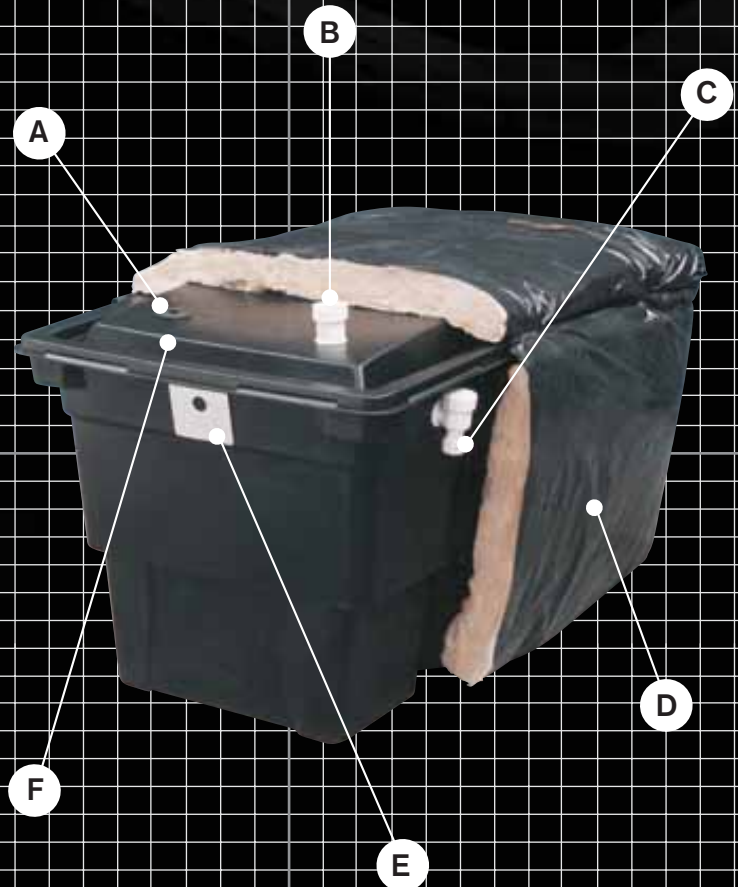
Byelaw 30 has a $\frac{3}{4}$ " \varnothing dip tube bend
Byelaw 60 has a $1\frac{1}{2}$ " \varnothing dip tube bend

WATER STORAGE TANK

Byelaw 30 & 60 Packs

- A** Expansion pipe grommet
- B** Screened breather
- C** Screened warning overflow with dip tube
- D** Customised insulating jacket
- E** Inlet backing plate
- F** Snap cover

- Rectangular tank used for illustration purposes.
- Locations of parts may vary with the variety of tanks.
- Circular Byelaw Kits:
Comprises of same components as example shown.
- The Loft Byelaw Kit:
Does not include lid as loft tank is sold complete with lid.



Davant Range of Total Tanks

Byelaw 30 & 60

1. BYELAW 30 & 60 FITTINGS KIT (Water Byelaw Requirement)

Code	Contents	No. per Outer
DAVANT 30 KIT A EK201	Expansion Pipe Grommet, Screened Breather 3/4" Ø screened overflow with dip tube.	50
DAVANT 60 KIT B BAKITB	Expansion Pipe Grommet, Screened Breather 1 1/2" Ø screened overflow with dip tube.	20

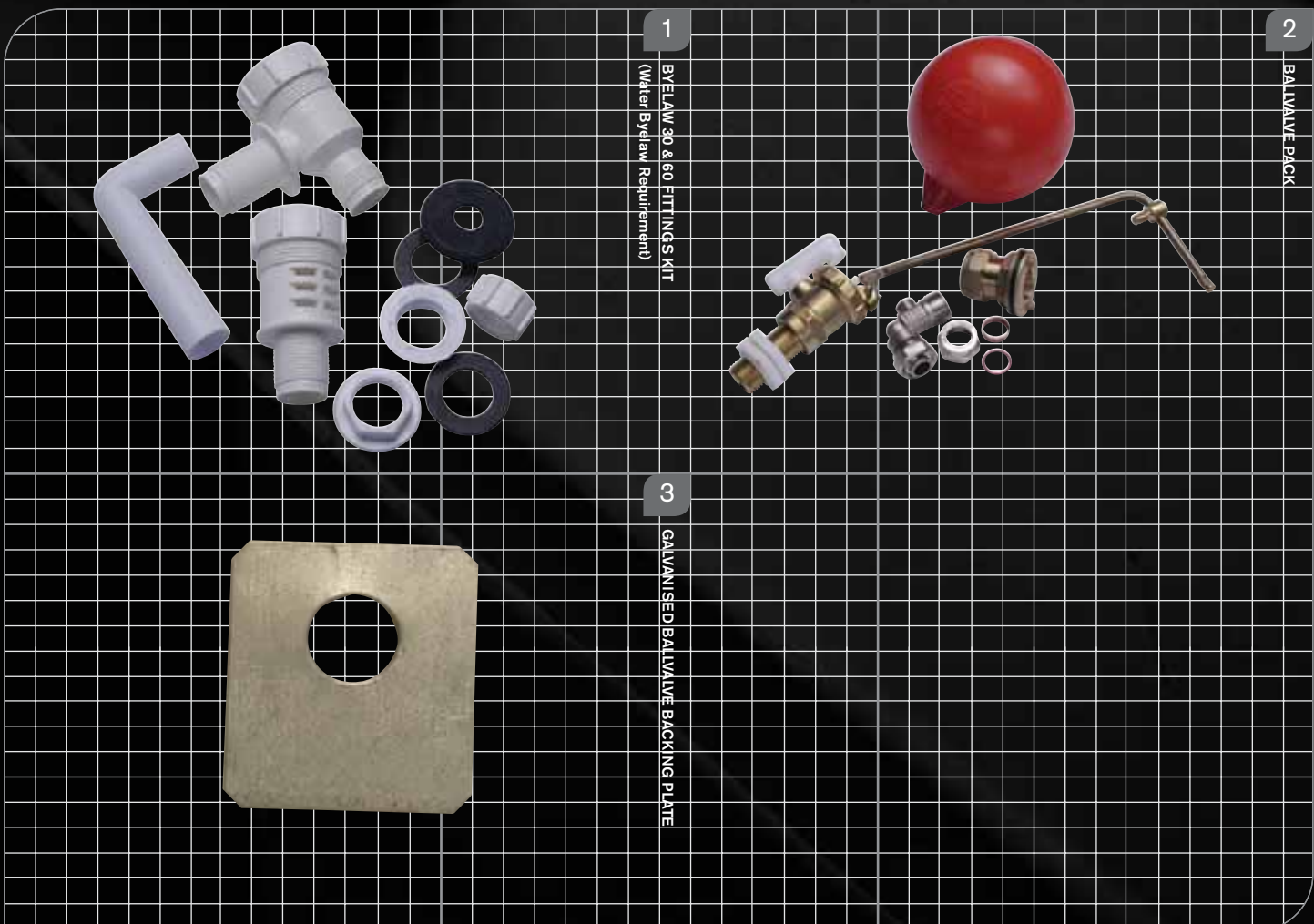
2. BALLVALVE PACK

Code	Contents	No. per Outer
BB4RPACK	1 x BS 1212 High Pressure Part 2 Ballvalve suitable for potable water up to 300PSI incoming water pressure. Diaphragm operated valve - Brass body 1/8" Acetyl seat fitted as standard, 1 x 4.5" Poly Float c/w brass insert.	Singles
BBPACK	1 x BS 1212 High Pressure Part 2 Ballvalve suitable for potable water up to 300PSI incoming water pressure. Diaphragm operated valve - Brass body 1/8" Acetyl seat fitted as standard, 1 x 4.5" Poly Float c/w brass insert, 1 x 22mm Straight Tank Connector Brass*, 1 x 15mm Angle Service Valve - c/w red fibre washer*	Singles

*These items are not required or supplied with B4R

3. GALVANISED BALLVALVE BACKING PLATE

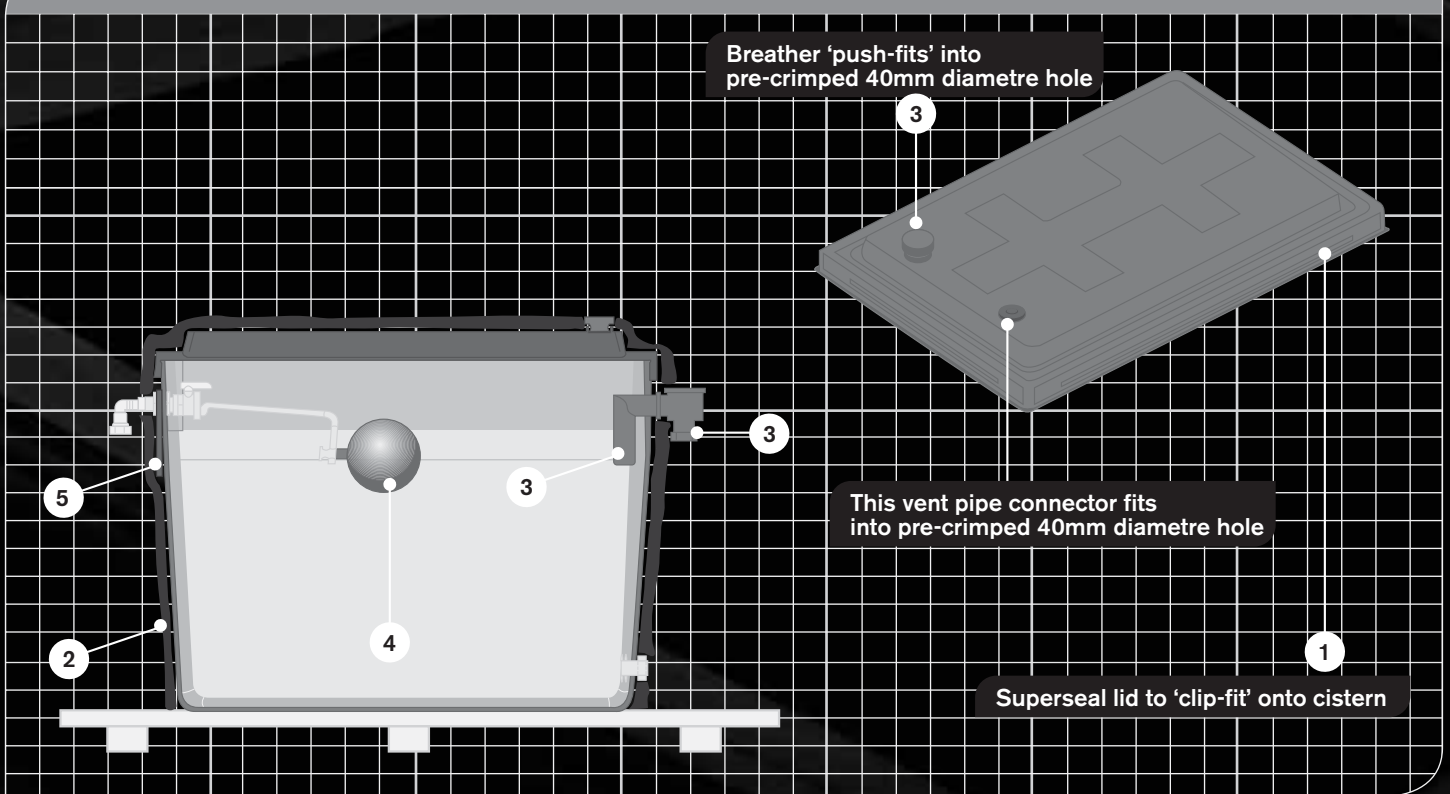
Code	Description	No. per Outer
BAPLATEL	Ball Valve Backing Plate	Singles



Davant Range of Total Tanks Pack



REPRESENTATIVE DIAGRAM OF THE COMPONENTS AND INSTALLATION



This pack contains all the required components to meet Water Regulations.

By fitting all of those components to the correct cistern as detailed below you will meet requirements of the Water Regulations.

Total Tank pack contains:

- 1 Lid
- 2 Insulation jacket
- 3 Either Byelaw 30 or 60 kit
- 4 Ballvalve Kit
- 5 Galvanised Ballvalve Backing Plate

The above should be fixed onto the cistern and cover in your required positions. An example is illustrated. The ball valve inlet and tank connector outlet are at opposite ends of the cistern to create a flow of water inside the cistern to avoid stagnation. It is essential that the outer extremities of the pipe connection washer are clear of the cistern corner radii. Support each hole when cutting. Do not use hot copper pipes to burn holes. **The cistern must be installed as per the instructions on the cistern label.** It must be stressed that no paste, putty or sealing compound is to be used in the installation of plastic cisterns or components. If joints need to be sealed, PTFE tape should be used. When assembling the insulation jacket - you must not cover the breather filter with the jacket.

All installations should be in accordance with BS6700. If you have any doubts or queries re the installation, you should contact your local water company.

All tank pack codes and prices are on pages 12 & 13.

Page 12 for Byelaw 30.

Page 13 for Byelaw 60.

Davant Range of Total Tanks Packs to meet Byelaw 30

TOTAL TANK PACK 1 - BYELAW 30 (Rectangular)

Code	Tank Type
BM4RTK(30)	RECTANGULAR
BM15RTK(30)	RECTANGULAR
BM20RTK(30)	RECTANGULAR
BM25RTK(30)	RECTANGULAR
BM40RTK(30)	RECTANGULAR
BM50RTK(30)	RECTANGULAR

TOTAL TANK PACK 1 - BYELAW 30 (Circular)

Code	Tank Type
B25CTK(30)	CIRCULAR
B50CTK(30)	CIRCULAR
B100CTK(30)	CIRCULAR

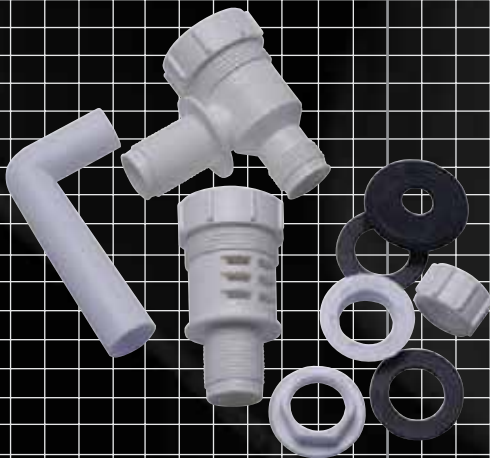
* When placing orders please indicate Byelaw pack preference in brackets:
e.g. BM4RTK(30)
BM4RTK(60)

TOTAL TANK PACK 1 - BYELAW 30 (Loft)

Code	Tank Type
B25XTK(30)	LOFT
B50XTK(30)	LOFT
B100XTK(30)	LOFT

TOTAL TANK PACK 1 - BYELAW 30 (Galvanised)

Code	Tank Type
B241717TTK(30)	GALV REP
B241524TTK(30)	GALV REP
B272020TTK(30)	GALV REP
B202020TTK(30)	GALV REP



1
BYELAW 30 FITTINGS KIT
(Water Byelaw Requirement)

This pack contains all the required components to meet Water Regulations.

By fitting all of those components to the correct cistern as detailed below you will meet requirements of the Water Regulations.

This Total Tank pack contains for a Byelaw 30 Pack:

- 1 Lid
- 2 Insulation jacket
- 3 Byelaw 30 kit
- 4 Ballvalve Kit
- 5 Galvanised Ballvalve Backing Plate

The above should be fixed onto the cistern and cover in your required positions. An example is illustrated. The ball valve inlet and tank connector outlet are at opposite ends of the cistern to create a flow of water inside the cistern to avoid stagnation. It is essential that the outer extremities of the pipe connection washer are clear of the cistern corner radii. Support each hole when cutting. Do not use hot copper pipes to burn holes. **The cistern must be installed as per the instructions on the cistern label.** It must be stressed that no paste, putty or sealing compound is to be used in the installation of plastic cisterns or components. If joints need to be sealed, PTFE tape should be used. When assembling the insulation jacket - you must not cover the breather filter with the jacket.

All installations should be in accordance with BS6700. If you have any doubts or queries re the installation, you should contact your local water company.

REFER TO THE DIAGRAM ON PAGE 11.

Davant Range of Total Tanks Packs to meet Byelaw 60



TOTAL TANK PACK 2 - BYELAW 60 (Rectangular)

Code	Tank Type
BM4RTK(60)	RECTANGULAR
BM15RTK(60)	RECTANGULAR
BM20RTK(60)	RECTANGULAR
BM25RTK(60)	RECTANGULAR
BM40RTK(60)	RECTANGULAR
BM50RTK(60)	RECTANGULAR

TOTAL TANK PACK 2 - BYELAW 60 (Loft)

Code	Tank Type
B25XTK(60)	LOFT
B50XTK(60)	LOFT
B100XTK(60)	LOFT

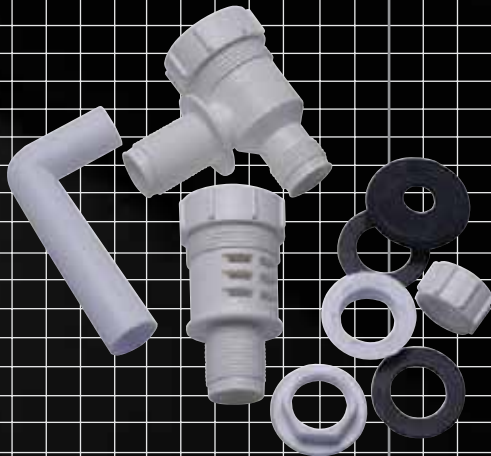
TOTAL TANK PACK 2 - BYELAW 60 (Circular)

Code	Tank Type
B25CTK(60)	CIRCULAR
B50CTK(60)	CIRCULAR
B100CTK(60)	CIRCULAR

TOTAL TANK PACK 2 - BYELAW 60 (Galvanised)

Code	Tank Type
B241717TTK(60)	GALV REP
B241524TTK(60)	GALV REP
B272020TTK(60)	GALV REP
B202020TTK(60)	GALV REP

* When placing orders please indicate Byelaw pack preference in brackets:
e.g. BM4RTK(30)
BM4RTK(60)



1
BYELAW 60 FITTINGS KIT
(Water Byelaw Requirement)

This pack contains all the required components to meet Water Regulations.

By fitting all of those components to the correct cistern as detailed below you will meet requirements of the Water Regulations.

This Total Tank pack contains for a Byelaw 60 Pack:

- 1 Lid
- 2 Insulation jacket
- 3 Byelaw 60 kit
- 4 Ballvalve Kit
- 5 Galvanised Ballvalve Backing Plate

The above should be fixed onto the cistern and cover in your required positions. An example is illustrated. The ball valve inlet and tank connector outlet are at opposite ends of the cistern to create a flow of water inside the cistern to avoid stagnation. It is essential that the outer extremities of the pipe connection washer are clear of the cistern corner radii. Support each hole when cutting. Do not use hot copper pipes to burn holes. **The cistern must be installed as per the instructions on the cistern label.** It must be stressed that no paste, putty or sealing compound is to be used in the installation of plastic cisterns or components. If joints need to be sealed, PTFE tape should be used. When assembling the insulation jacket - you must not cover the breather filter with the jacket.

All installations should be in accordance with BS6700. If you have any doubts or queries re the installation, you should contact your local water company.

REFER TO THE DIAGRAM ON PAGE 11.

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