

.....  
**FOR HEAT PUMP SYSTEMS**  
.....

# **BUFFER TYPE TANKS**

## **40–500L**



# NEW TANKS SERIES BAC-0 & BLS-0

## SPECIALLY DESIGNED FOR HEAT-COLD PUMPS

The new tanks BAC-0 & BLS-0 are Buffer type tanks and available in capacities from 40 to 500L. They are offered with internal ENAMEL protection for storage of Domestic Hot Water (DHW), but also without enameling to use as a Buffer Tank CC (closed circuit) for integration to the central heating system.

They are designed for heat-cold pump systems, with the option to be installed horizontally or vertically.



## BAC-0 40L (non enameled)

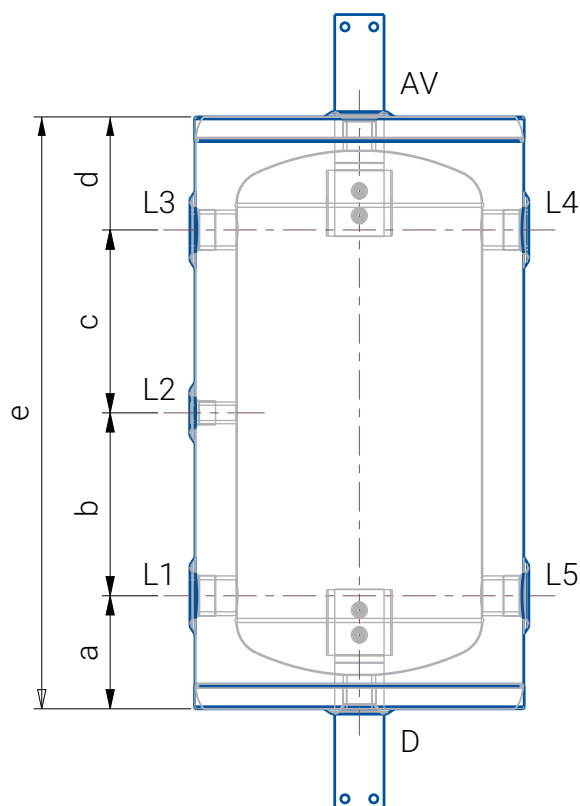
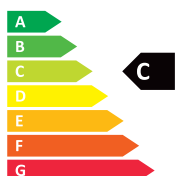
## BLS-0 40L (enameled)

Tanks from 40L to 100L can be both wall-mounted and floor-standing.

### Wall mounting method:

Suspension plate painted, 4mm thick.

(It can only be mounted vertically).



|                               |     |                                                                |
|-------------------------------|-----|----------------------------------------------------------------|
| Capacity                      | L   | 41                                                             |
| Maximum operating temperature | °C  | 95                                                             |
| Tank material                 |     | Cold rolled metal sheet 2mm (EN 10130)                         |
| Outer shell material          |     | Pre-Painted (Ral 9006) galvanized metal sheet 0.5mm (EN 10346) |
| Insulation                    |     | Polyurethane Foam 48kg / m <sup>3</sup> (DIN 53420)            |
| Maximum pressure              | bar | 6                                                              |
| Outer diameter                | mm  | Ø400                                                           |
| Inner diameter                | mm  | Ø300                                                           |
| a                             | mm  | 137.5                                                          |
| b                             | mm  | 222.5                                                          |
| c                             | mm  | 222.5                                                          |
| d                             | mm  | 137.5                                                          |
| e                             | mm  | 720                                                            |
| L1, L3, L4 & L5               |     | G 1¼"                                                          |
| L2                            |     | G ½"                                                           |
| AV (air vent)                 |     | G 1"                                                           |
| D (drain) *                   |     | G 1"                                                           |

\* Suitable to install heating element.

Specification and design are subject to change without any notice.

# BAC-0 60L (non enameled)

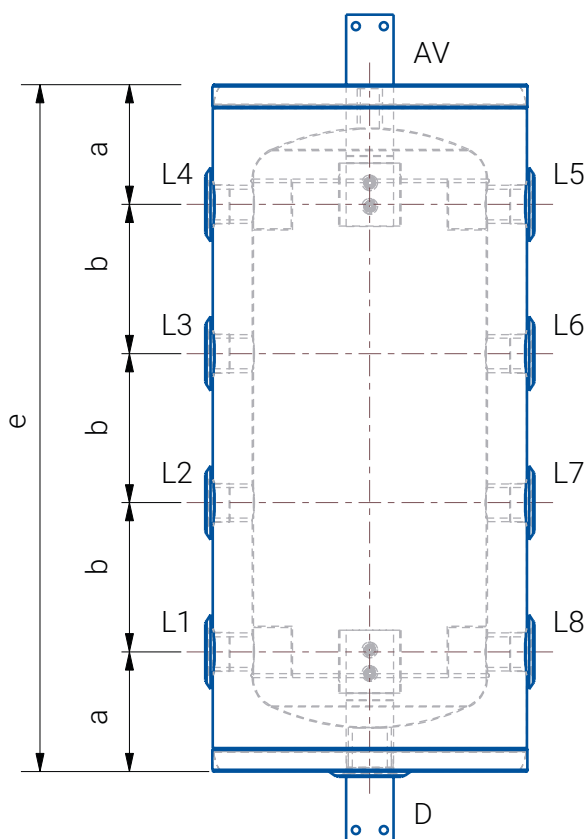
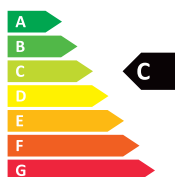
# BLS-0 60L (enameled)

Tanks from 40L to 100L can be both wall-mounted and floor-standing.

## Wall mounting method:

Suspension plate painted, 4mm thick.

(It can only be mounted vertically).



|                               |     |                                                               |
|-------------------------------|-----|---------------------------------------------------------------|
| Capacity                      | L   | 52                                                            |
| Maximum operating temperature | °C  | 95                                                            |
| Tank material                 |     | Cold rolled metal sheet 2mm (EN 10130)                        |
| Outer shell material          |     | Pre-Painted (Ral 9006) galvanized metal sheet 0.5mm (EN10346) |
| Insulation                    |     | Polyurethane foam 48kg / m <sup>3</sup> (DIN 53420)           |
| Maximum pressure              | bar | 6                                                             |
| Outer diameter                | mm  | Ø400                                                          |
| Inner diameter                | mm  | Ø300                                                          |
| a                             | mm  | 152.5                                                         |
| b                             | mm  | 190                                                           |
| e                             | mm  | 875                                                           |
| L1,L2, L3, L4,L5,L6,L7 & L8   | mm  | G 1¼"                                                         |
| AV (air vent)                 | mm  | G 3/4"                                                        |
| D (drain) *                   |     | G 1½"                                                         |

\* Suitable to install heating element.

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## BAC-0 80L (non enameled)

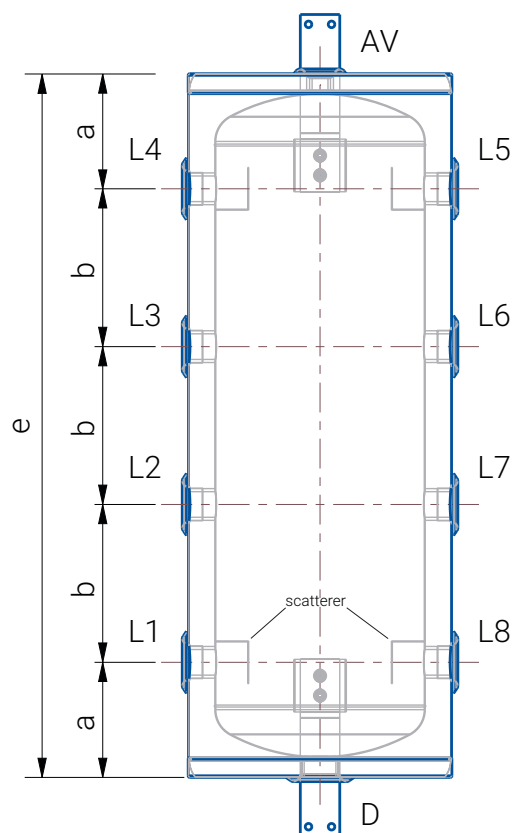
## BLS-0 80L (enameled)

Tanks from 40L to 100L can be both wall-mounted and floor-standing.

### Wall mounting method:

Suspension plate painted, 4mm thick.

(It can only be mounted vertically).



|                               |     |                                                                |
|-------------------------------|-----|----------------------------------------------------------------|
| Capacity                      | L   | 80                                                             |
| Maximum operating temperature | °C  | 95                                                             |
| Tank material                 |     | Cold rolled metal sheet 2mm (EN 10130)                         |
| Outer shell material          |     | Pre-Painted (Ral 9006) galvanized metal sheet 0.5mm (EN 10346) |
| Insulation                    |     | Polyurethane Foam 48kg / m <sup>3</sup> (DIN 53420)            |
| Maximum pressure              | bar | 6                                                              |
| Outer diameter                | mm  | Ø460                                                           |
| Inner diameter                | mm  | Ø360                                                           |
| a                             | mm  | 172,5                                                          |
| b                             | mm  | 190                                                            |
| e                             | mm  | 915                                                            |
| L1,L2, L3, L4,L5,L6,L7 & L8   | mm  | G 1¼"                                                          |
| AV (air vent)                 | mm  | G ¾"                                                           |
| D (drain) *                   |     | G 1½"                                                          |

\* Suitable to install heating element.

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# BAC-0 100L (non enameled)

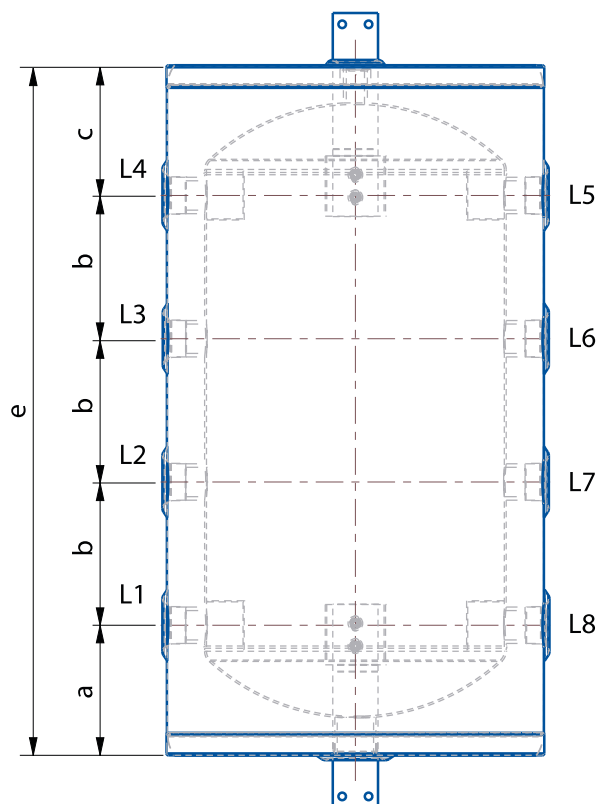
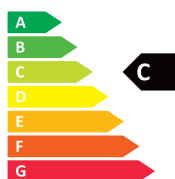
# BLS-0 100L (enameled)

Tanks from 40L to 100L can be both wall-mounted and floor-standing.

## Wall mounting method:

Suspension plate painted, 4mm thick.

(It can only be mounted vertically).



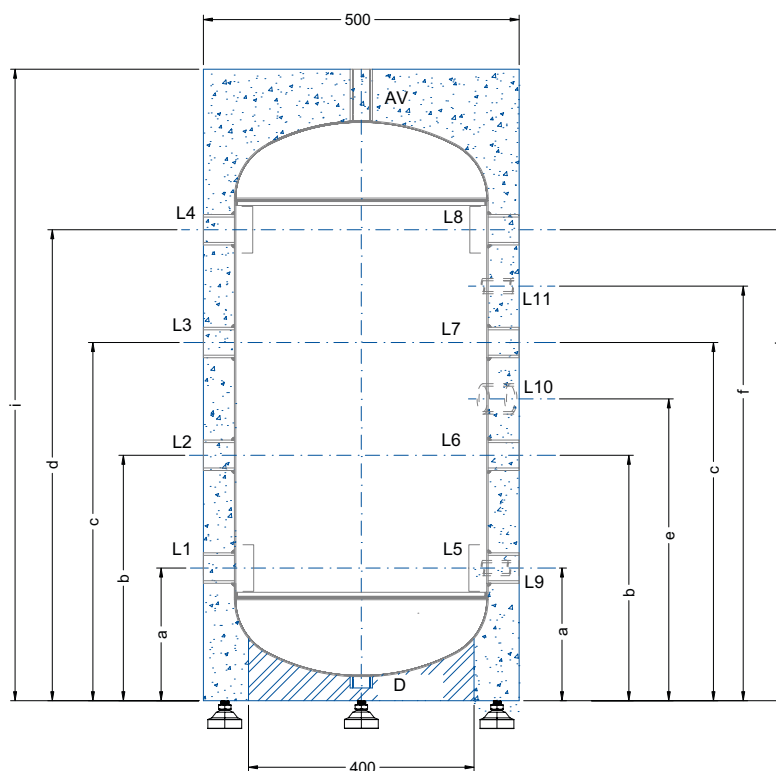
|                               |     |                                                                |
|-------------------------------|-----|----------------------------------------------------------------|
| Capacity                      | L   | 92.5                                                           |
| Maximum operating temperature | °C  | 95                                                             |
| Tank material                 |     | Cold rolled metal sheet 2,5mm (EN 10130)                       |
| Outer shell material          |     | Pre-Painted (Ral 9006) galvanized metal sheet 0.5mm (EN 10346) |
| Insulation                    |     | Polyurethane Foam 48kg / m <sup>3</sup> (DIN 53420)            |
| Maximum pressure              | bar | 6                                                              |
| Outer diameter                | mm  | Ø 500                                                          |
| Inner diameter                | mm  | Ø 400                                                          |
| a                             | mm  | 215                                                            |
| b                             | mm  | 190.0                                                          |
| c                             | mm  | 215                                                            |
| e                             | mm  | 1000                                                           |
| L1, L2 ,L3, L4,L5, L6, L7& L8 |     | G 1 ¼"                                                         |
| AV (air vent)                 |     | G ¾"                                                           |
| D (drain) *                   |     | G 1 ½"                                                         |

\* Suitable to install heating element.

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# BAC-0 150L (non enameled)

# BLS-0 150L (enameled)

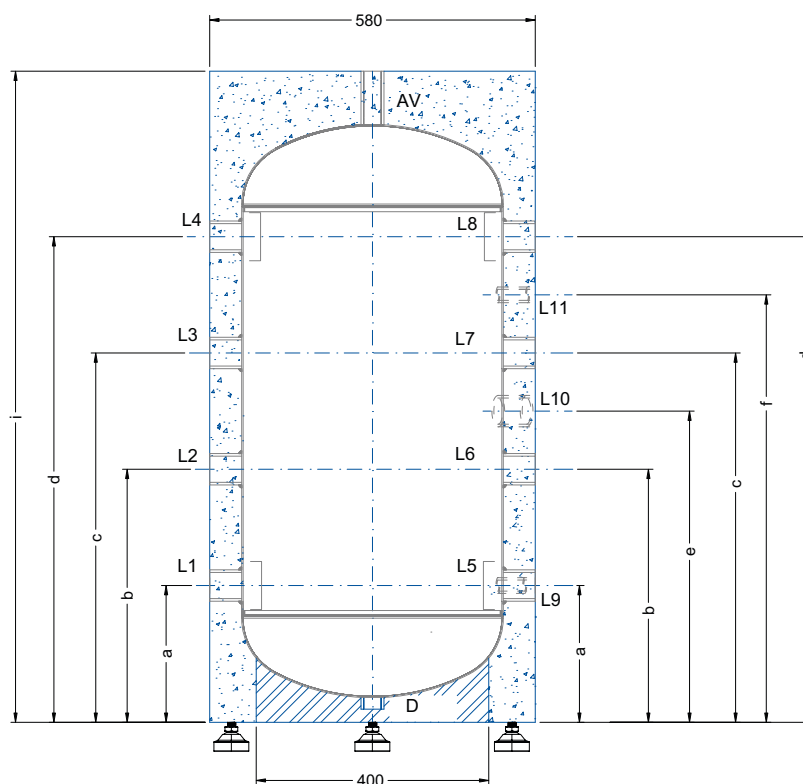
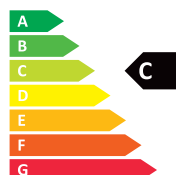


|                                 |     |                                                                       |
|---------------------------------|-----|-----------------------------------------------------------------------|
| Capacity                        | L   | 144                                                                   |
| Maximum operating temperature   | °C  | 95                                                                    |
| Tank material                   |     | Cold rolled metal sheet 2,5mm (EN 10130)                              |
| Outer shell material            |     | Pre-Painted (Ral 9006) galvanized metal sheet 0.5mm (EN 10346) or PVC |
| Insulation                      |     | Polyurethane Foam 48kg / m <sup>3</sup> (DIN 53420)                   |
| Maximum pressure                | bar | 8                                                                     |
| Outer diameter                  | mm  | Ø 500                                                                 |
| Inner diameter                  | mm  | Ø 400                                                                 |
| a                               | mm  | 242                                                                   |
| b                               | mm  | 487                                                                   |
| c                               | mm  | 732                                                                   |
| d                               | mm  | 977                                                                   |
| e                               | mm  | 535                                                                   |
| f                               | mm  | 735                                                                   |
| i                               | mm  | 1250                                                                  |
| L1, L2, L3, L4, L5, L6, L7 & L8 |     | G 1½"                                                                 |
| L8, L9 & L10                    |     | G ½"                                                                  |
| AV (air vent)                   |     | G ¾"                                                                  |
| D (drain)                       |     | G 1½"                                                                 |

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# BAC-0 200L (non enameled)

# BLS-0 200L (enameled)

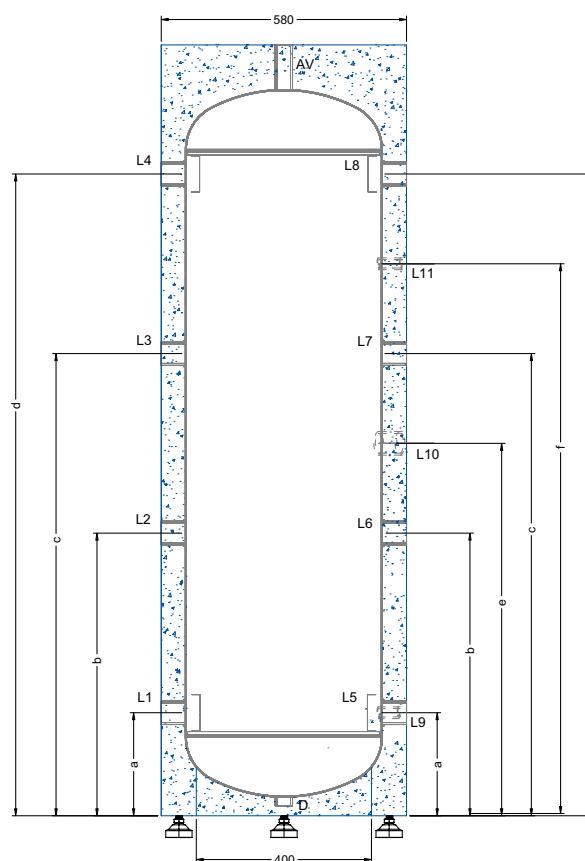


|                                      |     |                                                                       |
|--------------------------------------|-----|-----------------------------------------------------------------------|
| Capacity                             | L   | 204                                                                   |
| Maximum operating temperature        | °C  | 95                                                                    |
| Tank material                        |     | Cold rolled metal sheet 2,5mm (EN 10130)                              |
| Outer shell material                 |     | Pre-Painted (Ral 9006) galvanized metal sheet 0.5mm (EN 10346) or PVC |
| Insulation                           |     | Polyurethane Foam 48kg / m <sup>3</sup> (DIN 53420)                   |
| Maximum pressure                     | bar | 8                                                                     |
| Outer diameter                       | mm  | Ø580                                                                  |
| Inner diameter                       | mm  | Ø400                                                                  |
| a                                    | mm  | 242                                                                   |
| b                                    | mm  | 487                                                                   |
| c                                    | mm  | 732                                                                   |
| d                                    | mm  | 977                                                                   |
| e                                    | mm  | 535                                                                   |
| f                                    | mm  | 735                                                                   |
| i                                    | mm  | 1250                                                                  |
| L1, L2, L3, L4, L5, L6, L7, L8 & L10 |     | G 1½"                                                                 |
| L9 & L11                             |     | G ½"                                                                  |
| AV (air vent)                        |     | G ¾"                                                                  |
| D (drain)                            |     | G 1½"                                                                 |

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## BAC-0 300L (non enameled)

## BLS-0 300L (enameled)

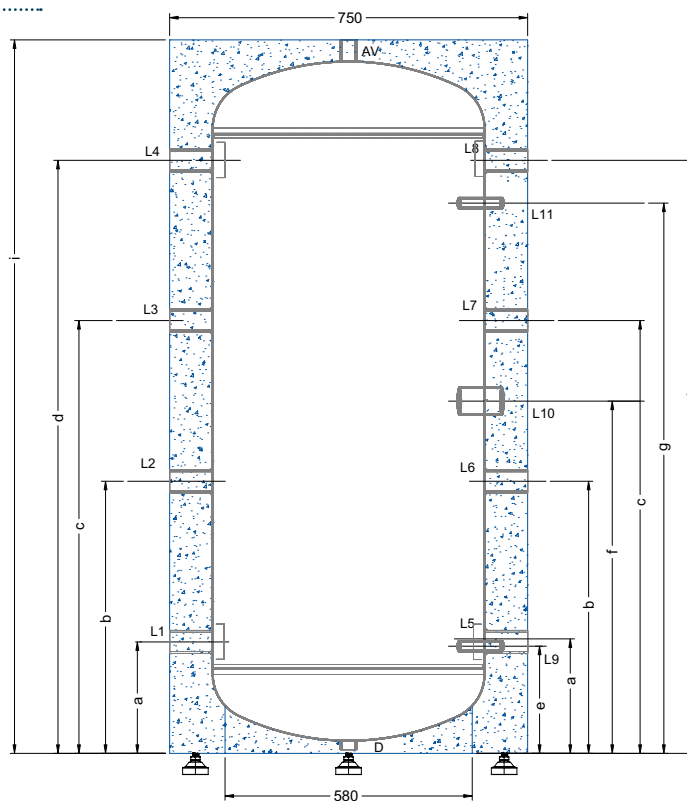


|                                 |     |                                                                       |
|---------------------------------|-----|-----------------------------------------------------------------------|
| Capacity                        | L   | 298                                                                   |
| Maximum operating temperature   | °C  | 95                                                                    |
| Tank material                   |     | Cold rolled metal sheet 2,5mm (EN 10130)                              |
| Outer shell material            |     | Pre-Painted (Ral 9006) galvanized metal sheet 0.5mm (EN 10346) or PVC |
| Insulation                      |     | Polyurethane Foam 48kg / m <sup>3</sup> (DIN 53420)                   |
| Maximum pressure                | bar | 8                                                                     |
| Outer diameter                  | mm  | Ø580                                                                  |
| Inner diameter                  | mm  | Ø480                                                                  |
| a                               | mm  | 242                                                                   |
| b                               | mm  | 652                                                                   |
| c                               | mm  | 1062                                                                  |
| d                               | mm  | 1472                                                                  |
| e                               | mm  | 857                                                                   |
| f                               | mm  | 1267                                                                  |
| i                               | mm  | 1760                                                                  |
| L1, L2, L3, L4, L5, L6, L7 & L8 |     | G 2"                                                                  |
| L9 & L11                        |     | G 1 ½"                                                                |
| AV (air vent)                   |     | G ¾"                                                                  |
| D (drain)                       |     | G 1 ½"                                                                |
| L10                             |     | G 1 ½"                                                                |

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## BAC-0 500L (non enameled)

## BLS-0 500L (enameled)



|                                 |     |                                                                       |
|---------------------------------|-----|-----------------------------------------------------------------------|
| Capacity                        | L   | 478                                                                   |
| Maximum operating temperature   | °C  | 95                                                                    |
| Tank material                   |     | Cold rolled metal sheet 3,0mm (EN 10130)                              |
| Outer shell material            |     | Pre-Painted (Ral 9006) galvanized metal sheet 0.5mm (EN 10346) or PVC |
| Insulation                      |     | Polyurethane Foam 48kg / m <sup>3</sup> (DIN 53420)                   |
| Maximum pressure                | bar | 8                                                                     |
| Outer diameter                  | mm  | Ø750                                                                  |
| Inner diameter                  | mm  | Ø640                                                                  |
| a                               | mm  | 261                                                                   |
| b                               | mm  | 638                                                                   |
| c                               | mm  | 1015                                                                  |
| d                               | mm  | 1391                                                                  |
| e                               | mm  | 251                                                                   |
| f                               | mm  | 826                                                                   |
| g                               | mm  | 1291                                                                  |
| i                               | mm  | 1674                                                                  |
| L1, L2, L3, L4, L5, L6, L7 & L8 |     | G 3"                                                                  |
| L9, L10 & L11                   |     | G ½"                                                                  |
| AV (air vent)                   |     | G 1½"                                                                 |
| D (drain)                       |     | G 1½"                                                                 |

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