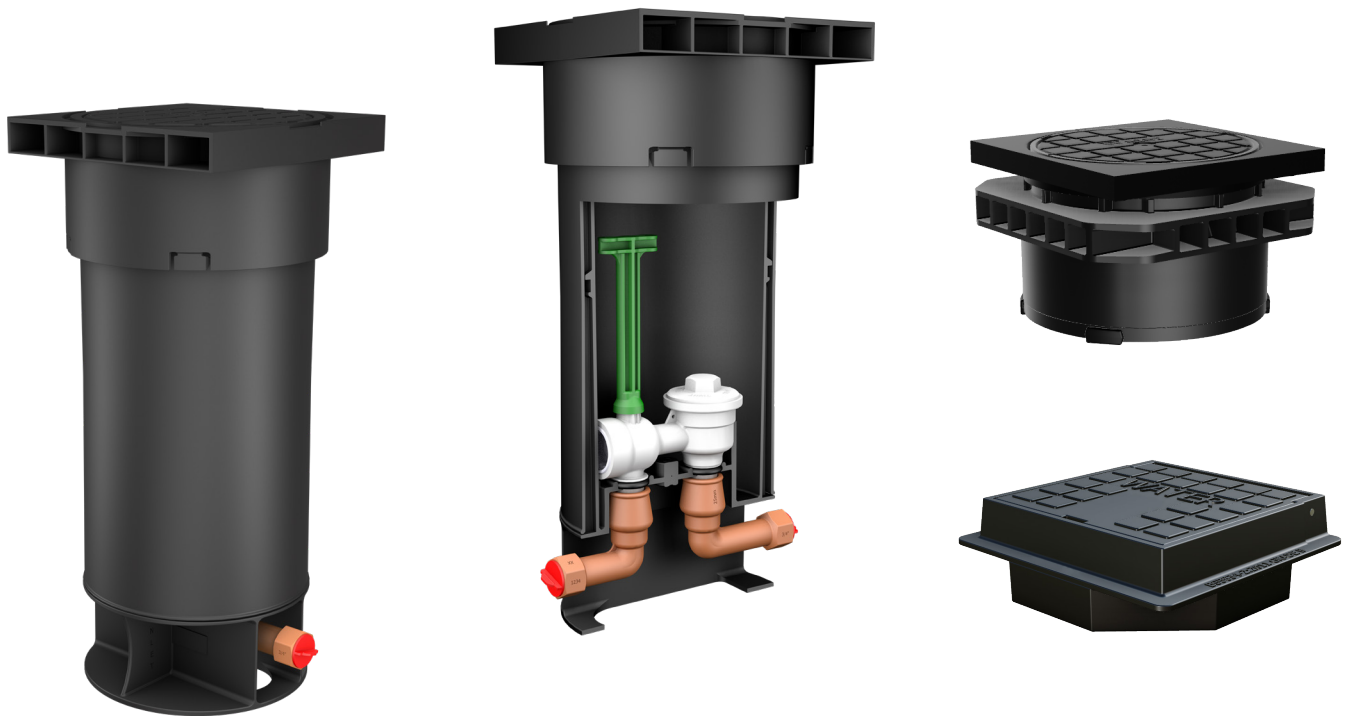


MATRIX PLUS BARRIER BOX FOR CONTAMINATED GROUND
BELOW GROUND BOUNDARY BOX
SEALED TELESCOPIC PLASTIC RAISED MANIFOLD

Class 1 or 2. 16 Bar pressure rating Grade B or Grade C load bearing
 Approved for contaminated ground to BS 5834-1:2017 and tested and certified to BS8588:2017



PRODUCT CODE	SURFACE BOX	CLASS	GUARD TUBE SHAPE	CONNECTION	SHUT OFF
E11971	Plastic Grade C	1.N.SBC.T	Matrix Plus R - Round	¾" BSP Female	¼ Turn
E11972	Plastic Grade B	1.N.SBB.T	Matrix Plus R - Round	¾" BSP Female	¼ Turn
E11973	Ductile Iron Grade B ***	2.N.SBB.T	Matrix Plus R - Round	¾" BSP Female	¼ Turn

* Lid marked 'WATER' and incorporates metal detector plate
 ** Available with beige guard tube on request
 *** Unsealed with Ductile Iron surface box



Matrix Plus Below Ground Boundary Box

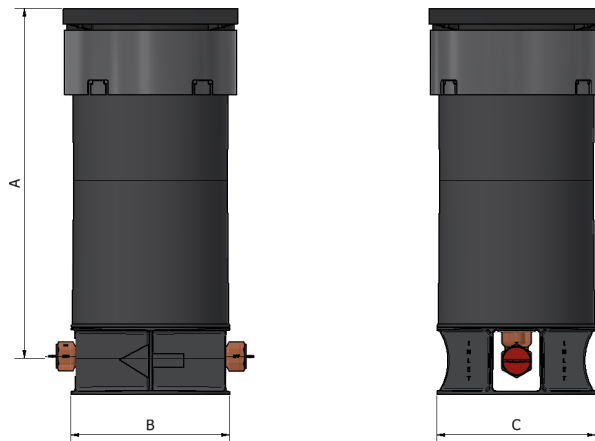
MATRIX PLUS BARRIER BOX BELOW GROUND BOUNDARY BOX

Class 1 or 2. 16 Bar pressure rating Grade B or Grade C load bearing

Approved for contaminated ground to BS 5834-1:2017 and tested and certified to BS8588:2017

Feature	Specification
Frame and Cover	Grade C: Glass filled polypropylene. Universal 8° tilt. Pluck lid with square frame. Lid tether as standard. Grade B (polymer): Glass filled polypropylene. Universal 8° tilt. Pluck lid with square swivel plate. Lid tether as standard. Grade B (DI): Ductile iron. Minimal tilt. Square frame. Unsealed & hinge opens over 90° to allow for free standing. Load bearing according to BS 5834-2:2011
Guard Tube Material	Recycled Polypropylene
Guard Tube Profile	Round profile with diameter 194mm opening (Matrix Plus R)
Height Adjust (apr)	See below dimension table
Frost Protection	As standard in accordance with BS 5834-1:2017
Water Tightness	Sealed Class 1 (Unsealed Class 2 with ductile iron surface box)
Shut Off Device	¼ turn spherical valve. Green key as visual identifier of contaminated ground manifold.
Check Valve	In accordance with BS EN 13959: 2004 Family E Type B. (Double check valve also available)
Manifold	Raised style in Plastic (Acetyl Co-Polymer)
Meter Connection	1½" BSP concentric meter to BS EN ISO 4064; Q3 4.0
Head Loss	< 3 metres @ 25 l/min flow rate with meter
Inlet	¾" BSP Female
Outlet	¾" BSP Female
Blank Plugs	Full Flow (standard), Trickle Flow (optional), No Flow (optional). 27/28 mm tapered A/F hexagonal upstand
Product Weight (apr)	Standard Box: 4 kg
Pallet Quantity	40 per pallet
Tools	BOP77011-28: 28mm socket for meter plug & NRV BOP77008: Short T bar 400mm long BOP77009: T bar extension 500mm long

The technical data and performance may be modified without prior notice depending on the technical advances.



Box	A (min/max)	B	C	D	E
Matrix Plus R	460-845mm (Grade C) 500-880mm (Grade B)	206mm	206mm	227mm	173mm