

ROMOLD DN1000 energy compensation chambers for stormwater or pressure sewer discharge.

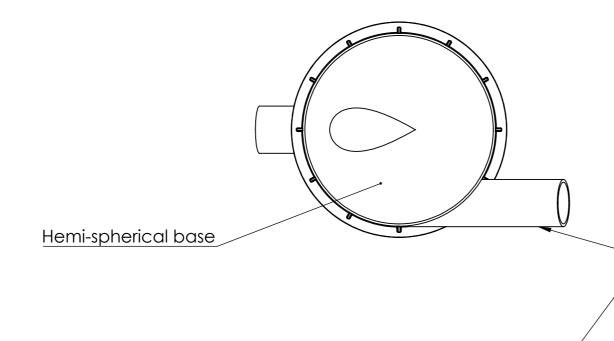
Maximum depth to invert is 5m.

Maximum groundwater height is 4m.

Suitable for Class D traffic loading (meeting HN-HO-72).

Bases are fabricated to meet project requirements with spigots at inlet and outlet.

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TOLERAN LINEAR	TOLERANCES: LINEAR: ANGULAR:						EDGES	GENERAL LAYOUT						
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DRAWN	S.McDonald			10.04.24										
CHK'D										<u> </u>				
APPV'D														
MFG														
Q.A					MATERIAL: Polyprop		rlene	ROMOLD ECC Chamber Drawings			А3			
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Inlet spigot at angle and grade

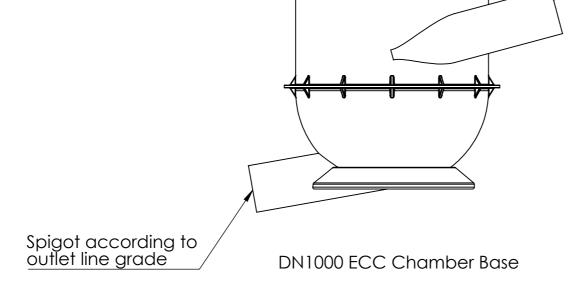
Inlet is tangential to the chamber setting up rotation and turbulence within the hemi-spherical base. Turbulence dissipates energy from the flow. Outlet velocity is then driven by the head in the chamber, resetting the velocity of the pipeline.

Additional inlets, such as from sumps, can be added to the base. Typically these are discharged toward the centreline of the base with the main line being tangent to the chamber wall.

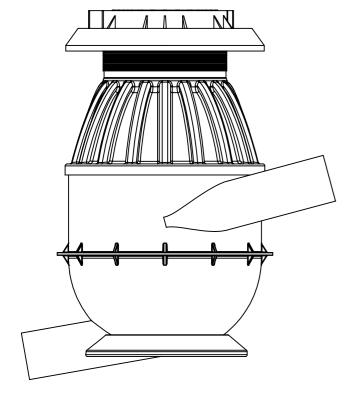
In order to keep the inlet within the PE base there are height constraints.

Energy compensation chambers are typically designed in collaboration with the engineer so the design constraints of the product and project site can be taken into consideration.

Calculations are available to estimate the outlet discharge velocity and any risk of surcharge within the chamber.



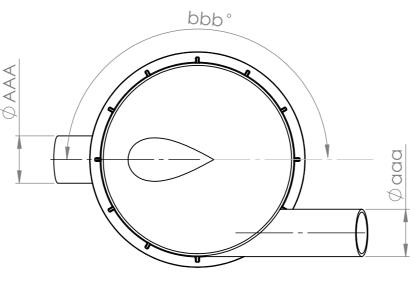
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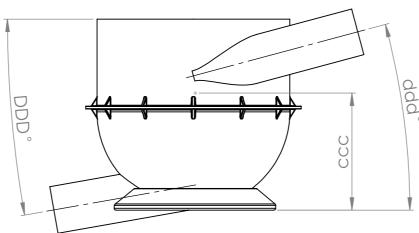


ROMOLD DN1000 Energy Compensation Chamber with polyethylene Round-Bottom (RB) base.

Inlet and outlet spigots sized to suit connection to pipeline.

Fabricated in New Zealand.

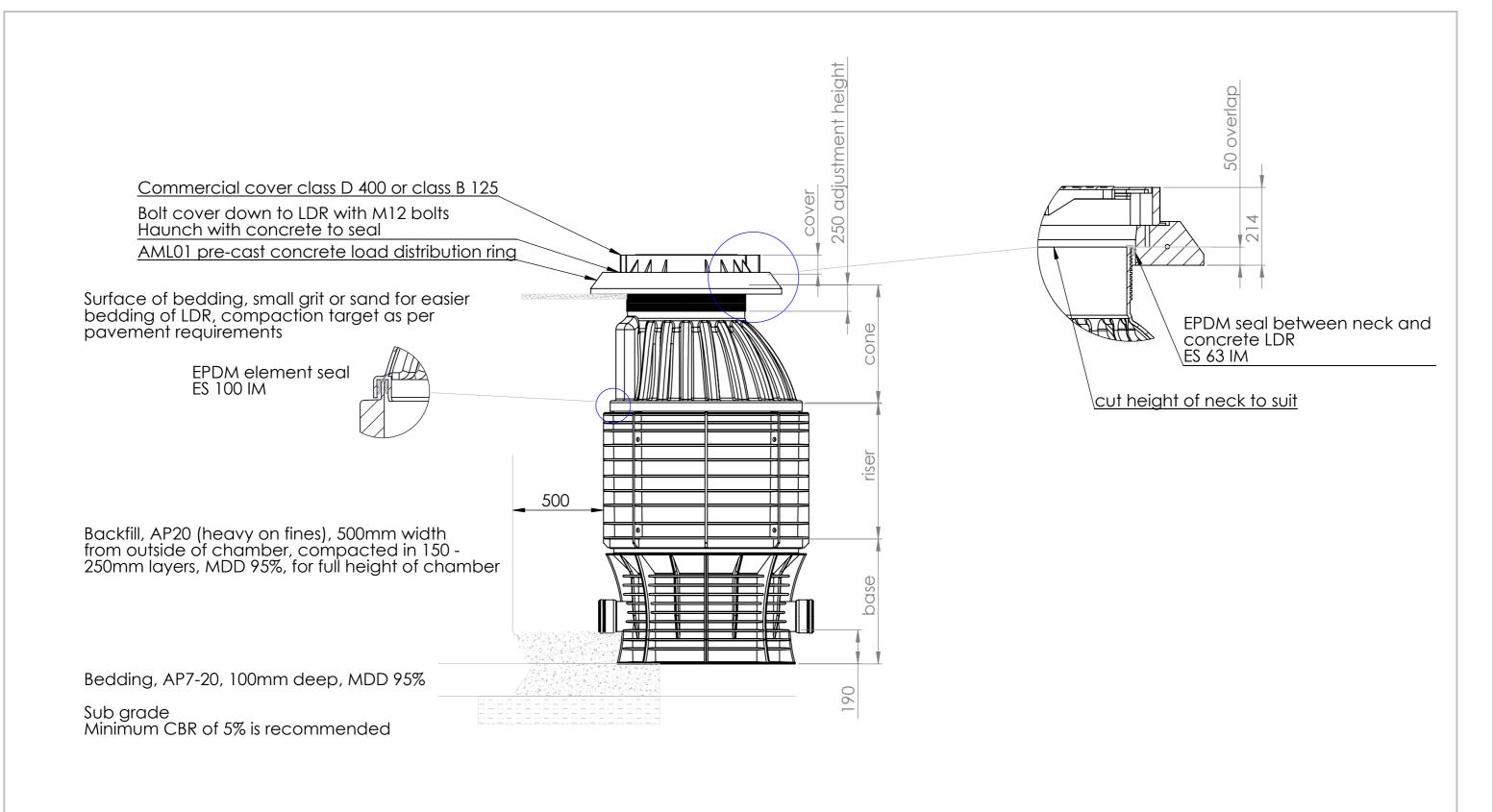




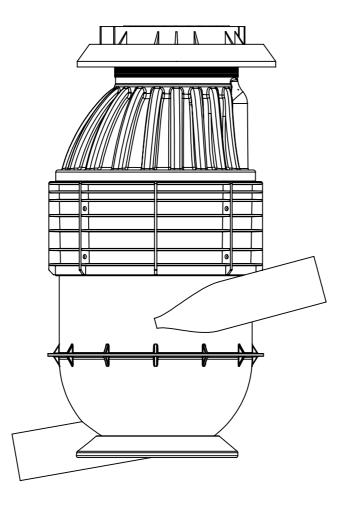
Discharge Ch	amber Base Specification								
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Manhole Number									
Outlet									
Grade									
Main Line Inlet									
Pipe type, size, SDR									
Angle									
Invert level									
Grade									
	Inlet 2								
Pipe type, size, SDR									
Angle									
Invert level									
Grade									

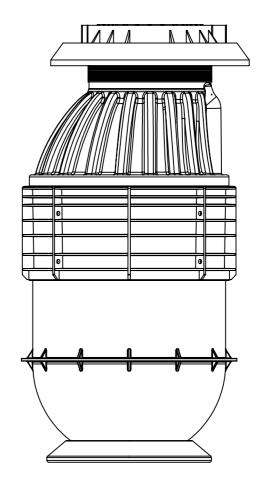
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Contact us to learn more.



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