



A brand of
Aqseptence Group

Vacuum Sewer System Roediger® Collection Chamber Type „G“

Product Description



Conventional sewage systems are installed inside the buildings of a settlement.

The wastewater flows through **gravity house lines** into the **collection chamber** located at the property line. Only now, the wastewater is admitted into the vacuum system by means of a pneumatic vacuum valve.

No vacuum technology inside the building and no electric energy supply for the collection chamber is required.

The wastewater retained in the collection sump generates a sensor pressure and opens the vacuum valve through a pneumatic compact controller. Due to the pressure difference the sewage is evacuated from the chamber into the vacuum network.

The watertight **chamber body** made of polyethylene comprises the **compact controller**, the **vacuum valve** and the **chamber interruption plug**. The sewage collection sump is separated from this dry, clean and frost-resisting valve chamber.

Our chamber system consists of ideally coordinated components: *Chamber + vacuum valve + controller* = resulting from over 40 years of experience and more than 2000 reference systems installed around the world that are currently in operation

Advantages

Cost saving due to reduced excavation process

The collection chamber is customized for the required installation depth on site; this offers **maximum installation flexibility** and thus reduces dramatically the excavation work to be carried out.

Versatile – the optimum solution for every situation

Roediger collection chambers are available in **pedestrian, flood-safe and traffic load designs**. Each collection chamber is combined with **vacuum valve devices in three different sizes** – i.e. we have the perfect collection chamber for every application.

Completely water- and sewage-proof with a separate valve chamber

Self-cleaning sump and retaining pressure pipe

No clogging thanks to the integrated "bottleneck"

Better than standard compliance

The absolute separation between the vacuum valve system and the sump containing the sewage provides a clean zone for key components and a **hygienic and safe working** environment.

The horizontal positioning of the vacuum pipe and the incline of the sump versus the vacuum pipe guarantee that the **sump is drained completely** during the vacuum phase. Consequently, no residual sewage remains in the sump; therefore, there is **no** sediment or **foul odor development** in the collection chamber.

If a larger particle is received in the collection chamber sump, the integrated "bottleneck" will stop it and thereby protects the remaining system from clogging. A simple suction lancet can be used to **quickly and easily remove such particles** from the sump.

Our products deliver maximum **functional safety** and **energy savings**! Whilst all meet the requirements of DIN EN1091 and ATV 116-1, many parameters exceed these standards because of our high performance standards.

Characteristics:	Collection Chamber Type G [®] Roediger [®]	Collection Chamber Type Z [®] Roediger [®]	Concrete chambers standard	Plastic chambers Single cylinders
NO third party water infiltration	+	+	-	+
NO sewage ex-filtration into the soil	+	+	-	+
Sewage water free valve zone – "dry and hygienic"	+	+	-	-
Self-cleaning retaining pressure pipe	+	+	-	-
Self-cleaning retaining capacity	++	++	-	-
Installs quickly and easily; no lifting crane required	+	+	-	+
Quickly assembled thanks to pre-mounted parts	+	++	-	-
Bottleneck principle in the retaining capacity	+	+	-	-
Flexible installation/in-feed depth customization	++	+	+	-
Complete drainage	+	+	-	-
Hydrostatic uplift resistant	+	++	++	-
Optimized air in-feed thanks to the Roediger [®] Controller	++	++	-	-
Available in pedestrian, drivable and floodable versions	+	+	-	-
Double valve chamber with separate in-feeds	+	-	-	-
User friendly; valve device is close to the surface	+	+	-	-
Quick stopper principle w/wear and tear resistant stoppers				

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