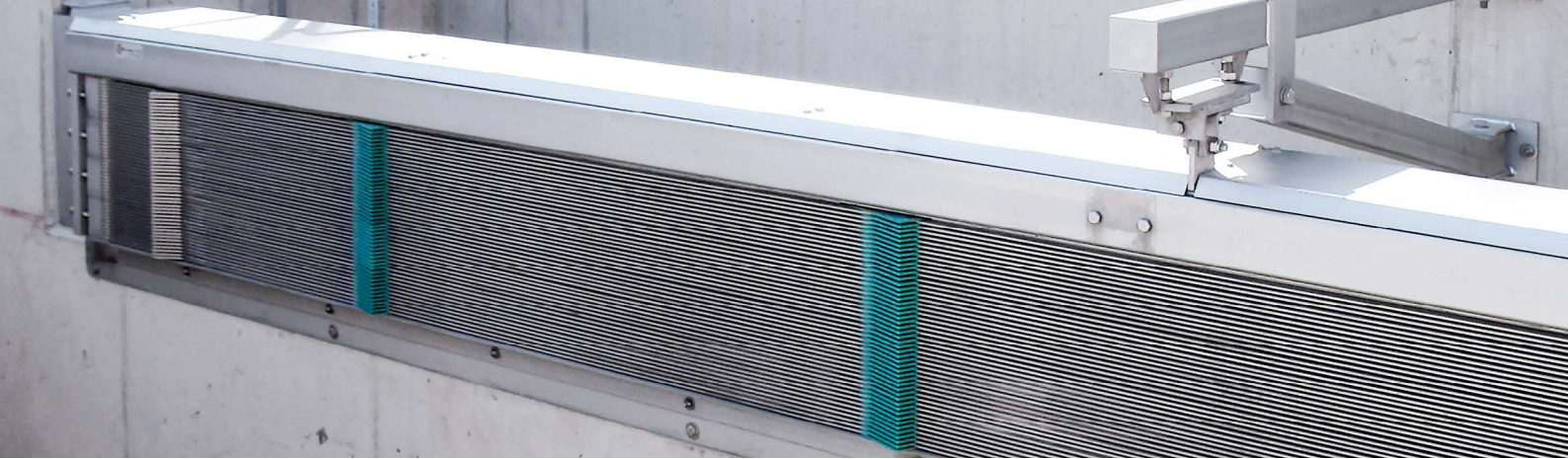




# **COMBINED SEWAGE OVERFLOW SCREENS AND MORE. FROM ROMAG.**

New with Remote Control System.



## COMBINED SEWAGE OVERFLOW SCREENS FOR ECONOMIC, ENVIRONMENTALLY FRIENDLY RAINWATER DISCHARGE



In the event that it rains heavily, rain discharge facilities will eventually reach their breaking point. The largest pollution amounts remain trapped in the dry area of the receiving water. They end up in the environment, instead of in the sewage treatment system. This is prevented by the latest combined sewage overflow screens from ROMAG.



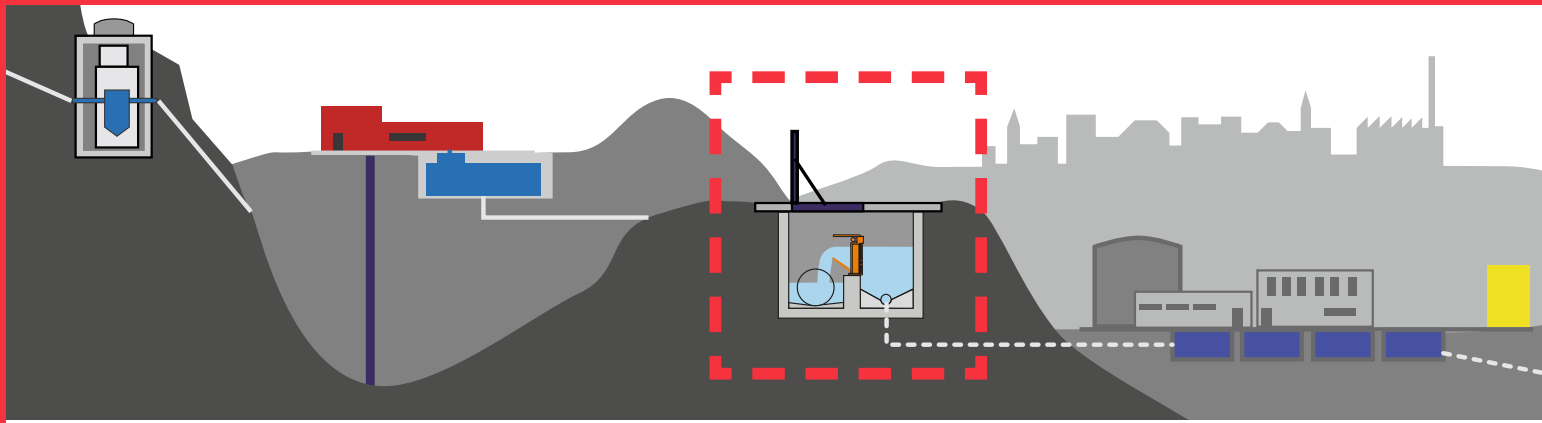
### INDIVIDUAL SOLUTIONS FOR EVERY PROBLEM

ROMAG solutions are cost-effective, economic, and can be used with every project thanks to a large number of types and sizes. The latest high powered combined sewage overflow screen system – developed over many years – is modular. The basic construction meets all requirements and can be adapted to suit local conditions. ROMAG combined sewage overflow screens can be integrated into any existing system.

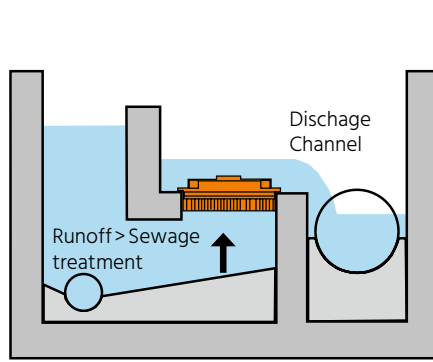


### NO NEED TO BUILD EXPENSIVE RESERVOIRS

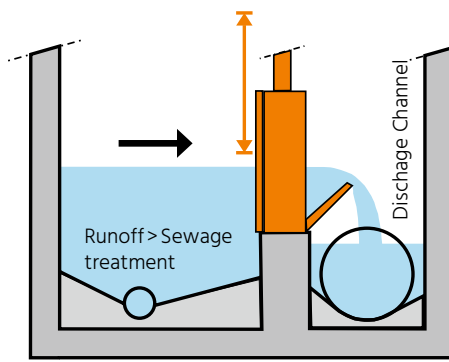
Combined sewage overflow screens are part of the plans for almost all new buildings. Expensive construction of reservoirs is unnecessary, or the reservoirs are much smaller. Existing systems can be upgraded to include a combined sewage overflow screen very simply and economically – with no need to add extra building space. This matches well with the regulations laid out by the environmental agency responsible for these systems. They have significantly reduced the required reservoir space per drainage area in the basin when mechanical cleaning is in use, depending on the quality of the receiving water. For new or existing systems, when using a combined sewage overflow screen, the necessary investments are significantly reduced.



# ROMAG HAS THE RIGHT SYSTEM FOR EVERY LOCATION AND EVERY BUILDING



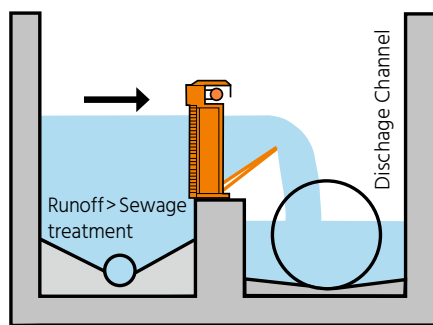
RSU, from bottom to top



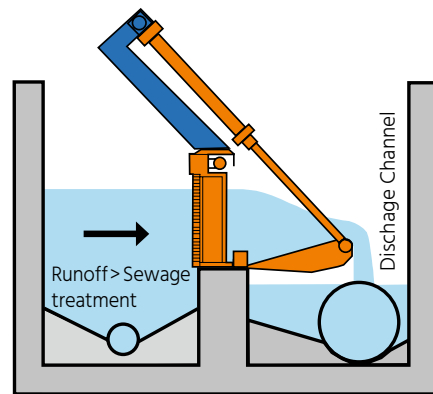
RSS, smaller model

## SIMPLE, EFFICIENT FUNCTIONS

All combined sewage overflow screens work on the same principle: waste water flows from the discharge channel through the combined sewage overflow screen and into the overflow channel. The pollution is held back by the rake and cleared away with a combing movement. The shape of the comb is critical. The pollution caught in this manner moves with the waste water to the sewage treatment area.



RSW, horizontal flow



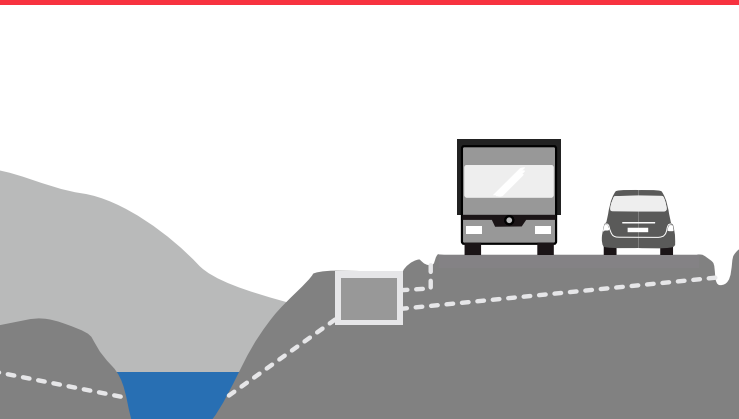
RSW-K, with regulated door

## CLEVER, TAILORED SOLUTIONS

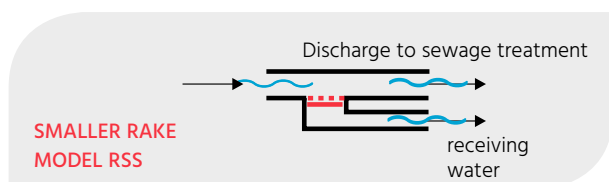
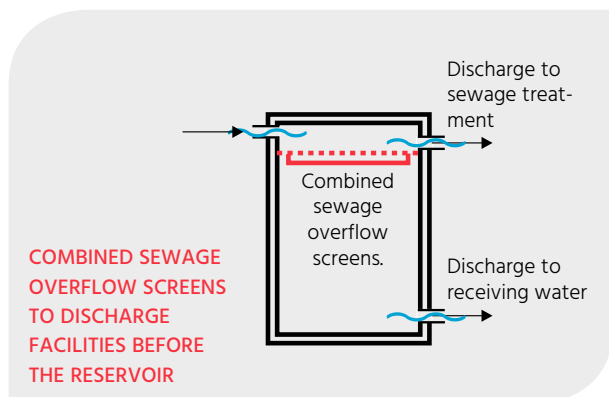
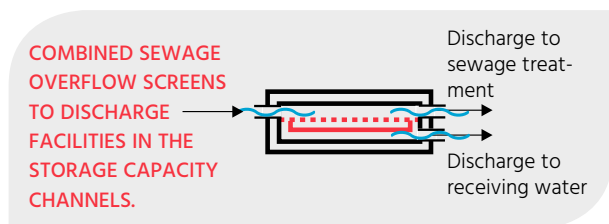
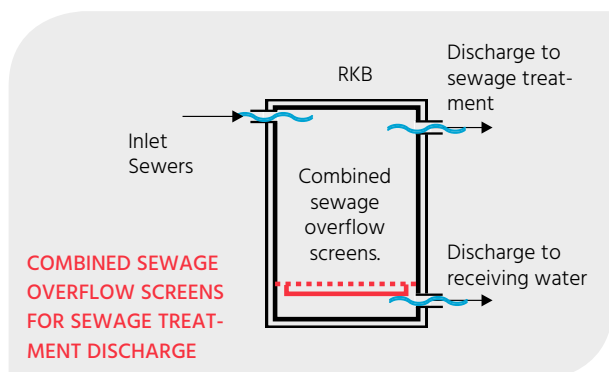
Depending on the build, water flows horizontally, from above or from below onto the rake (see sketches). What they all share is guaranteed operational reliability with low maintenance costs. The horizontal flow rake, our most used model (model RSW), can include a regulated storage door (model RSW-K). This means that existing storage volumes in an upstream system can be used with optimal efficiency. We offer a particularly small rake for smaller sewers with lateral discharge (model RSS).

### Approximate data (different for each model)

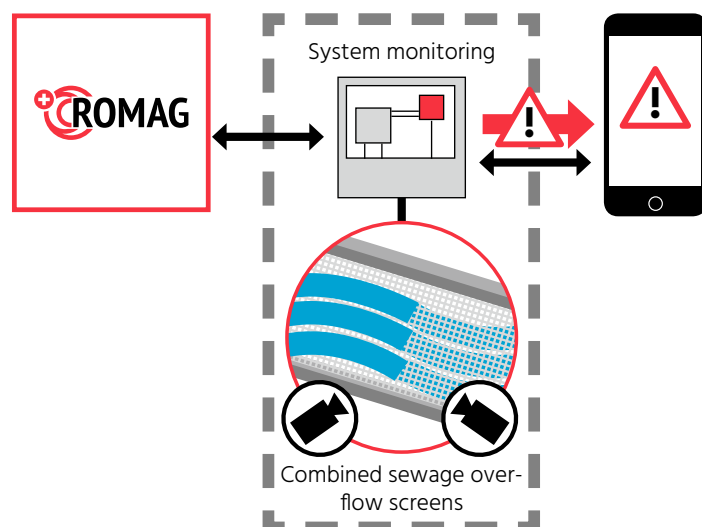
Length	0.3–9 m
Height	0.35–1.48 m
Flow capacity	52–7550 l/s
Connected values	400 V, 1.5–7.5 kW



# ROMAG'S LATEST INNOVATION REMOTE CONTROL SYSTEM – CENTRAL MONITORING 24/7



ROMAG is a pioneer of water management. The innovative company was founded in the early 90s, and had installed 160 combined sewage overflow screens in a variety of countries within 6 years. By the end of the year 2000, the number had grown to almost 600. And today we can look back at over 1,400 successful installations around the world.



ROMAG's remote control system guarantees the best operational reliability. Installations can be monitored and analysed simply and easily. React to irregularities at any time from outside the system, or access the system controls directly. The intuitive controls for the process control system make it simple to regulate or adjust operational processes or maintenance plans. Visual system monitoring via cameras provides additional security.

The combined sewage overflow screens are durable, all control elements are installed in a dry room, and moveable parts use hydraulic cylinders, all of which adds up to extremely low maintenance requirements. Despite all our technical and monitoring solutions, we still recommend periodic on-site visual inspections.

# PROFITABLE INVESTMENTS FOR RESTORATIONS AND NEW DEVELOPMENTS

Combined sewage overflow screens are a particularly good investment – during restoration or for new construction.



Combined sewage overflow screens are an even better investment now that the responsible environmental protection agencies have reduced the legally mandated storage space for drainage areas. Investment facilitation is only possible when using mechanical cleaning in conjunction with a combined sewage overflow screen.

## COMBINED SEWAGE OVERFLOW SCREENS REDUCE COSTS

These days, combined sewage overflow screens are included in practically every new project. They eliminate the need for expensive storage reservoirs (or significantly reduce the size of the reservoir required). It is also extremely cost efficient to add a combined sewage overflow screen to existing facilities. There is no additional building area required, for restorations or new developments, which is another important advantage.

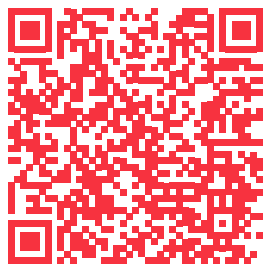
## MORE THAN 20 YEARS OF EXPERIENCE

Installing a combined sewage overflow screen is worth it. The required installation and operational costs are very small as compared to systems without this type of mechanical cleaning. With more than 20 years of experience, ROMAG is the perfect partner for all rainwater technology. Together with our customers, we develop innovative solutions, tailor made for local conditions.



Order more detailed information! We have detailed documentation for every system and its matching controls.

# EXPERIENCE FROM MORE THAN 1,400 INSTALLATIONS – A VARIETY OF PROFESSIONAL WATER MANAGEMENT SOLUTIONS



- Drinking water treatment and distribution
- Surplus works in combined and separate sewer systems
- Tailored solutions for flood protection of buildings
- Systems for eliminating micro-pollution in sewage water at the WWTP outlet
- Shaft covers and floor gates
- Techno-SABA / Road rain water treatment plant

## Comprehensive consultation:

ROMAG offers A-Z support, in all areas of water management. From the assessment of initial requirements to project management to the optimal solution and system. Thanks to our extensive knowledge and experience, we are always able to find the best installation methods, particularly for existing systems. Our top qualified employees take care of installation and construction. We have years of experience and countless projects behind us, to help us develop and install the best possible solution for you. Ask us for our references



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