

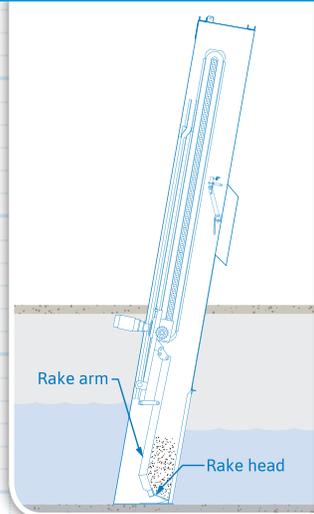
Mechanical bar screen selection must include a careful analysis of the specific application to arrive at the correct type and manufacturer. With over 40 years of experience and 2,500 installations worldwide, Vulcan Industries' has the knowledge to help guide your screening selection. From 12-foot wide and 100-foot deep screens to 12-inches wide and 12" deep, each application has challenges that

must be considered to ensure a screen will last for 25+ years. Lastly, do not forget that once the screenings have been removed from the flow, the work has just begun; don't let the screenings handling become an afterthought. Consider Vulcan's EWP Washing Press or our many other handling options, just as thousands of installations before you have.



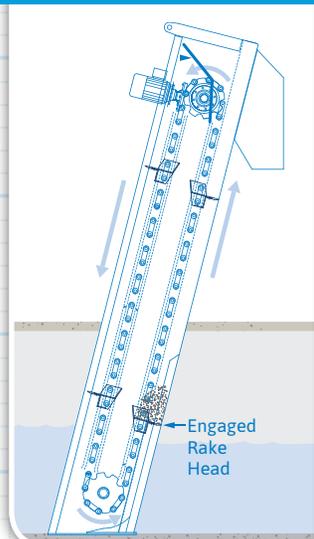
## Mensch Severe Duty™ Bar Screen

Leading the way is the **Mensch Severe Duty™ Bar Screen**. Ideally suited for severe-duty applications including CSO's, pump stations, and deep gravity flow sewer systems; the single rake mechanism is designed to power through the heaviest debris. Large cross-section structural framework, heavy duty bar racks, severe-duty rake assemblies and rugged pin rack and cogwheel drive systems are standard features on all Mensch bar screens. The available submersible drive is able to continue to operate during flooding, withstanding water levels up to 30'. In addition, pin rack components are available in hardened stainless steel with a heat cured dry lubricant system to minimize maintenance in deep or submerged applications. If your plant is subject to freezing conditions, Vulcan offers heat tracing systems and full weather enclosures to combat the elements.



## Model VMR Multi-Rake Screen

Next in line is the Vulcan **Model VMR Multi-Rake Bar Screen**. The VMR is a positive engagement, multiple rake bar screen that is well equipped to handle high capacity screening applications, including deep sanitary sewers, as well as plants that are subject to heavy leaf loads during rain events. With rigid self-supporting frames, heavy-duty curved lower bar racks, rugged stainless steel chain and sprocket or static engagement system, multiple rakes and variable speed drives, the VMR was designed with maximum screenings capacity in mind. Options include stationary or pivoting frames, lower sprockets or static guides, sectional bar racks, full odor control enclosures and freeze protection systems.

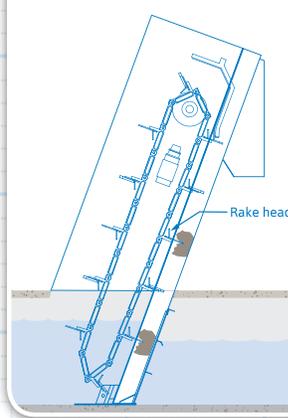


# Vulcan Bar Screens



## Model VKR Knuckle-Rake Bar Screen

The **Model VKR Knuckle-Rake Bar Screen** uses a unique knuckle chain link that bends only in one direction. This allows engagement of the rake teeth into the bar rack without the use of a lower turn-around sprocket or static guide. The VKR non-positive engagement multiple rake screen relies on the force of gravity to keep the rake heads engaged in the bar rack, thus the importance of the links that are 33% heavier than the competition. The gravity engagement allows the rake heads to disengage and grip a large object such as a log or tire. Most commonly, this screen is applied in budget conscious applications in low to medium flow scenarios.

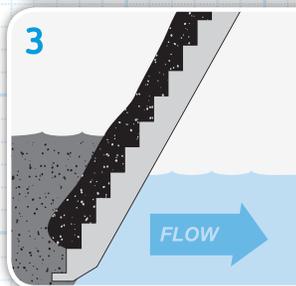
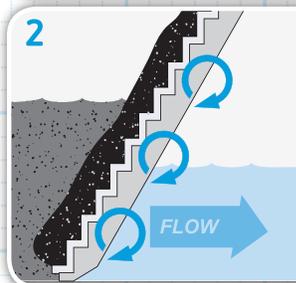
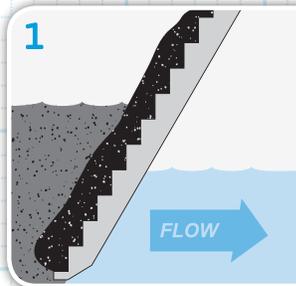


## Model ESR Stair Screen

If high screenings capture is your greatest concern, look no further than the Vulcan line of stair screens. Well suited for gravity and pumped flow sanitary sewers as well as sludge screening the **Model ESR Stair Screens** are all equipped with heavy duty, pivoting side frames, fixed drive units, self-adjusting, heavy-duty chain drives, positive screenings discharge and full odor control enclosures. Designed to operate intermittently, the ESR and ESR-S stair screens provide high filtration due to the mat of screenings that are allowed to build on the stair shaped lamella surface. Some options include screen openings of 3mm or 6mm, automatic chain lubricators and odor control connections.

### Vulcan: The Proven Screen Choice

In addition to the screens featured above, Vulcan offers the LFS/LFP Rotary Drum Screens for pumped flow applications and the Model SS static screen for smaller pumped flow applications. For personalized service and recommendations on your screening needs, contact us to help you make the right choice.



Find more product information at:  
[vulcanindustries.com](http://vulcanindustries.com)

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