

TRAVELING BRIDGE

Grit & Grease Removal System



The highly reliable Traveling Bridge Grit & Grease Removal system is available in a variety of designs to meet plant specific needs. Kusters Water is the leader in Traveling Bridge Grit & Grease Removal technology.

Features

- Rugged galvanized or stainless steel construction
- Ease of maintenance
- Indoor or outdoor installation
- Fully automatic operation
- Flexible designs to meet any plant specific needs
- Festooning power supply

Benefits

- High reliability
- Low maintenance costs
- Low energy consumption
- Effective Grit & Grease removal
- Manufactured in the USA

Removal Efficiencies

Grit removal efficiency depends on the design dimensions and design peak flow rate. At maximum design flow, the grit removal efficiency will be:

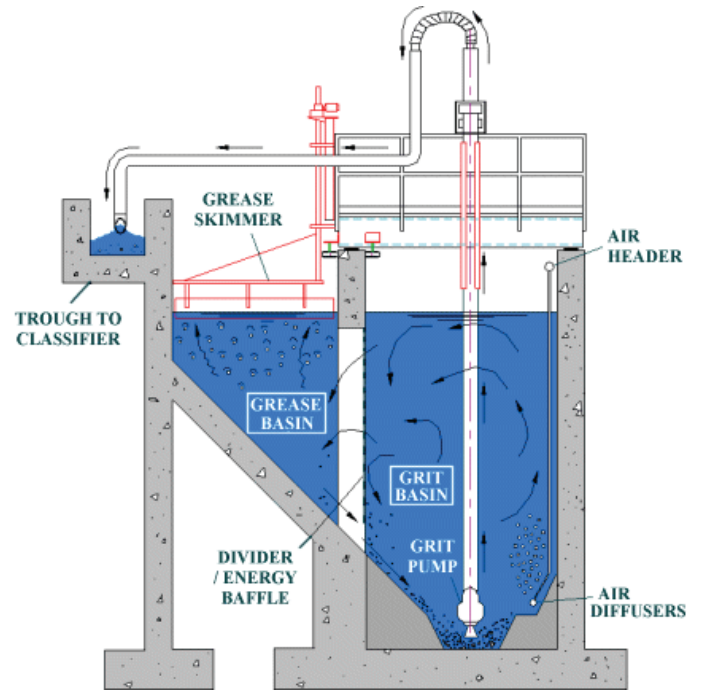
- 95% of grit greater than, or equal to, 65 mesh in size
- 85% of grit greater than, or equal to, 70 mesh in size
- 80% of grit greater than, or equal to, 100 mesh in size
- 60% of grit greater than, or equal to, 150 mesh in size



Bridges can be fitted with scrapers and/or pumps for grit removal.



Grit Washer for exceptionally clean and dry grit.



PRINCIPLE OF OPERATION

The traveling bridge system utilizes a dual basin configuration consisting of an aerated grit chamber and grease collection chamber. The energy baffles contain the grit and promote settling in the grit basin floor. The grit is then collected via a submerged grit pump attached to the traveling bridge. The grit slurry is fed to a grit classifier, or grit washer, for further cleaning prior to discarding. The grease accumulates within the quiescent grease zone and is positively collected along the entire basin via a skimmer mechanism and pushed into a grease pit or removed via a screw conveyor. The system is fully automated and operates intermittently, run times can be easily adjusted by plant personnel.



For more information:

 864.576.0660

 info@kusterswater.com

 KustersWater.com

KUSTERS WATER DIVISION

 **zima**
Jagenberg Group