

## SUBMERSIBLE GRP SERIES GRINDER PUMPS



## THE HOMA COMMITMENT

If high performance and uninterrupted, cost-effective operation are your top priorities, HOMA has the pump for you. Our knowledgeable professionals will be with you every step of the way, whether you're a homeowner, a seasoned contractor, or an engineer, we are here to assist you.

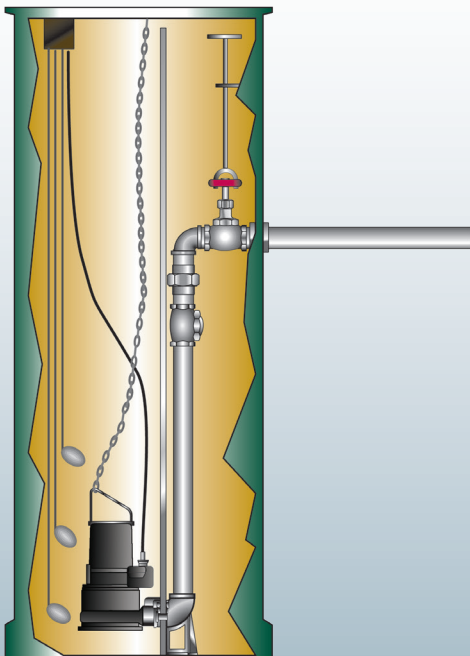
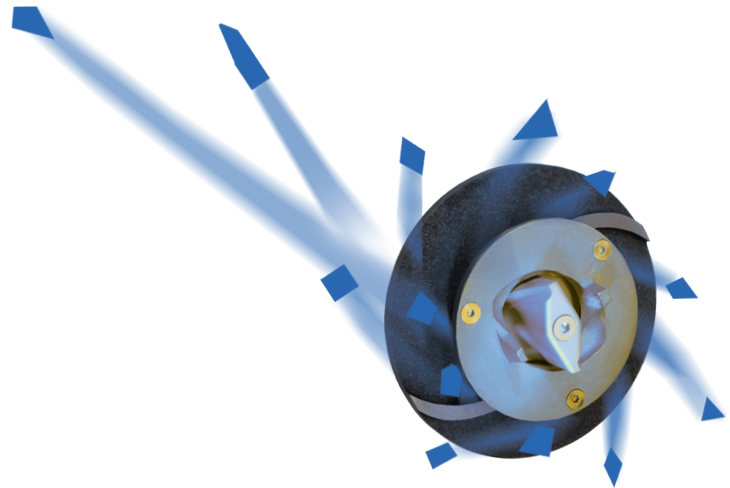
New construction or retrofit, municipal, residential, commercial, or light industrial – we will work closely with you to find the best possible solution. Once installed, HOMA systems are not just out of sight, but out of mind.

**You won't have to see it, but HOMA's unique dual-action hardened stainless steel cutter system, cuts up waste material far more efficiently than single acting cutter or shredder systems.**

## INNOVATIVE GRINDER DESIGN

Most grinder pumps compress the solids as they pass through the pump, permitting compressed stringy solids to reside in the cutting mechanism and the pump chamber when the unit is switched off.

The HOMA grinder takes a different approach. Solids are processed with a dual-action cutter system that operates outside of the pump. At the end of the pump cycle, solids fall away from the cutter mechanism, allowing the pump to start pumping with clear liquid.



### WET PIT WITH AUTOCOUPLING INSTALLATIONS

The HOMA auto-coupling system uses two guide rails with either a thread-on or bolt-on adapter guide claw to evenly guide the pump down to the base elbow. The two guide rails are spaced apart to provide stable alignment during the installation and removal process.

The guide claws are designed to utilize an inexpensive, easily replaceable resilient rubber seal, which assures a leak-free installation. This is easily replaceable should the pump be pulled for service.

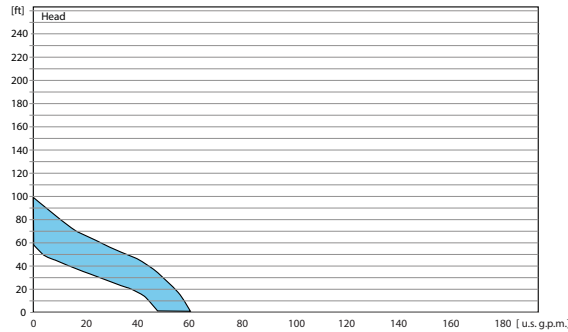
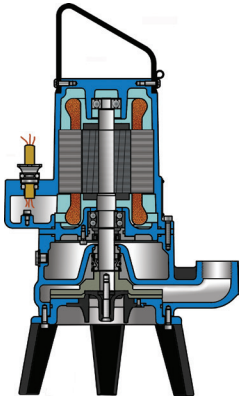
Auto-couplings are available in cast iron or 316 stainless steel for corrosive applications.



## HYDRAULIC RANGE

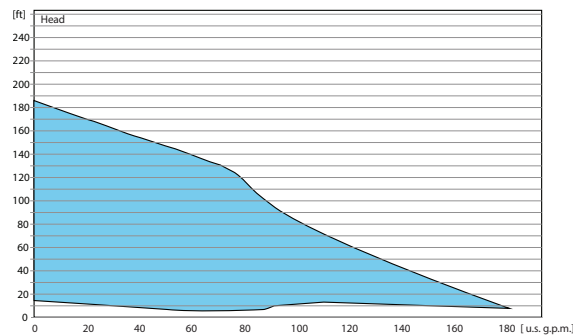
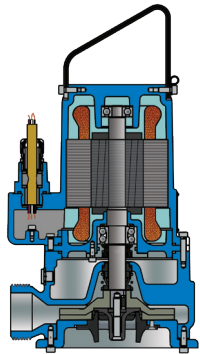
### GRP 12 & 19

- 2 HP, 1¼" vertical discharge
- Light commercial and residential applications



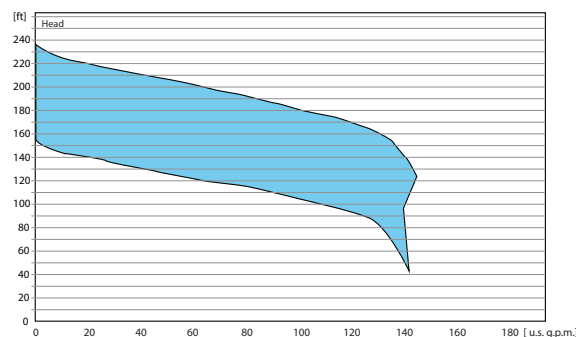
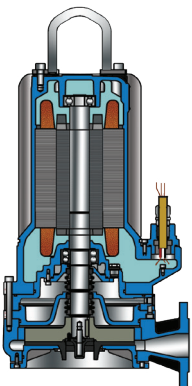
### GRP 10 – 50

- 2 HP – 7 HP, 2" horizontal discharge
- Heavy commercial and municipal applications



### GRP 59, 79, & 118

- 7.5 HP – 17 HP, 2" flanged discharge
- Municipal, industrial, and the most demanding commercial applications



### MOTOR BEARINGS

Premium grade, permanently lubricated with high temperature grease, and oversized for maximum B-10 rated life.

### STATOR

High-efficiency motor windings with Class H insulation and 1.15 service factor. Options include NEMA MG-1 Part 31 and Explosion-Proof motors for Class I, Division 1, Group C and D area classifications with FM approvals.

### MOISTURE MONITORS

Oil chamber continuously monitored for water intrusion with standard seal probe.

### MECHANICAL SEALS

Two independent mechanical seals in tandem arrangement provided as standard with hard silicon carbide seal faces to provide superior abrasion and temperature resistance. Tungsten carbide seal faces and/or Viton elastomers are optional for special applications. Pumps 2hp and less replace upper mechanical seal with Buna-N lip seal.

### HARDWARE

All exposed fasteners are 304 stainless steel for ease of disassembly after years of service. 316 stainless steel available upon request.

### HOUSING

All major castings are ASTM A48 Class 40 cast iron, epoxy-coated against corrosion, and sealed with fully captured O-rings.

### CUTTER SYSTEM

Stationary cutter ring and blade rotor manufactured in stainless steel alloyed with cobalt, vanadium, and molybdenum for a hardness of 55 Rockwell C, minimum.



## RETROFIT

Looking to retrofit your lift station?  
How about installing the reliability  
and performance of a HOMA  
pump?

HOMA offers an array of adapters  
allowing new HOMA pumps to  
easily fit a variety of existing rail  
systems. Adapters are available  
for many brands:

- Xylem (Flygt)
- Myers
- Sulzer (ABS)

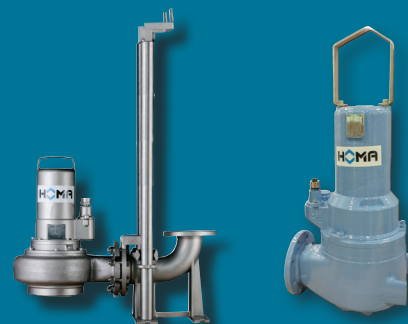


## HOMA PRODUCT RANGE

- Submersible waste water pumps
- Submersible grinder pumps
- Submersible effluent pumps
- Mixers and flow generators
- Sewage ejector pumps
- Wastewater disposal units
- Propeller pumps



FIND US ON FACEBOOK!  
[facebook.com/homapumpen](https://facebook.com/homapumpen)



## SEVERE DUTY OPTIONS

For the most demanding  
applications, HOMA can provide  
a variety of options to fit your  
needs. Including:

- Complete 316 or Duplex  
Stainless Steel castings
- Viton Elastomers
- Braided, stainless steel and  
Teflon cable sheathing
- Chemical resistant coatings
- Plasma nitride-hardened  
hydraulics

HOMA Pump Technology  
390 Birmingham Blvd. Ansonia, CT 06401  
[info@homapump.com](mailto:info@homapump.com) [www.homapump.com](http://www.homapump.com)  
Main: 203-736-8890

HOMA Pumpenfabrik GmbH  
Industriestraße 1 53819 Neunkirchen-Seelscheid  
Telefon: +49(0)2247/702-0 Fax: +49(0)2247/702-44  
e-Mail: [info@homa-pumpen.de](mailto:info@homa-pumpen.de) Internet: [www.homa-pumpen.de](http://www.homa-pumpen.de)

We reserve the right to alter our specifications without notice!

Pictures S2 = © photollurg- Fotolia.com I © Homa Pumpenfabrik Viton is a registered trademark of Dupont