



**Product Brochure**

# GEAR PUMPS

**Experience | Excellence | Flow**



 **EMHKAM**  
PUMPS



## **Gear Pumps**

EMHKAM PUMPS produces a wide range of Gear Pumps, providing excellent reliability and durability with self priming capabilities.

The best quality materials and robust construction allow seamless operation and create top level performance, making them the top products on the market for the majority of clean liquids and viscous applications.

**chemical  
processing**



**oil and gas**



**energy**



**transport**



**food and  
beverage**



**military  
and marine**





## **RS Gear Pumps**

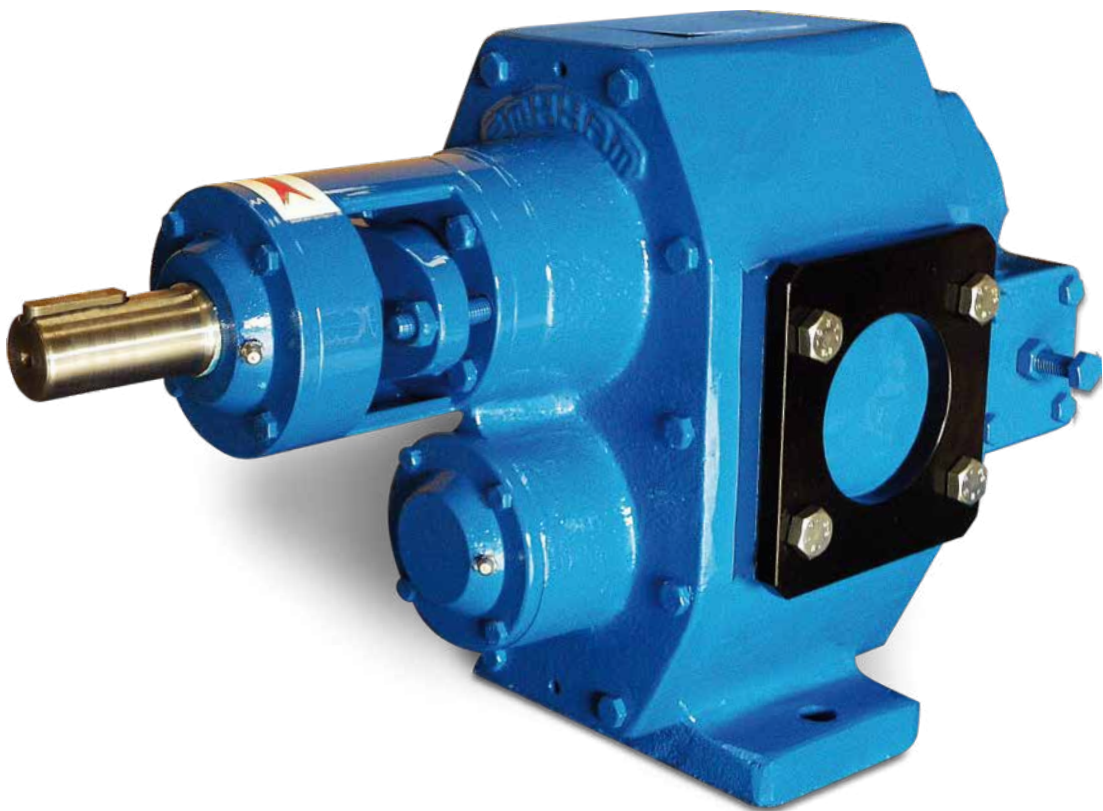
EMHKAM RS Gear pumps series are cast iron pumps, designed for high volume silent pumping operation, on tank trucks and on pump units assemblies. With self priming capabilities, they are ideal for pumping the majority of thin and viscous liquids. They are available in 1, 1.5, 3 and 4 inch port sizes and they are equipped with helical gears, top or bottom shaft and built-in adjustable by pass valve.

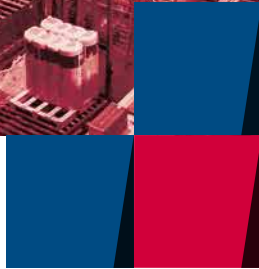




## **XT AND XTS Gear Pumps**

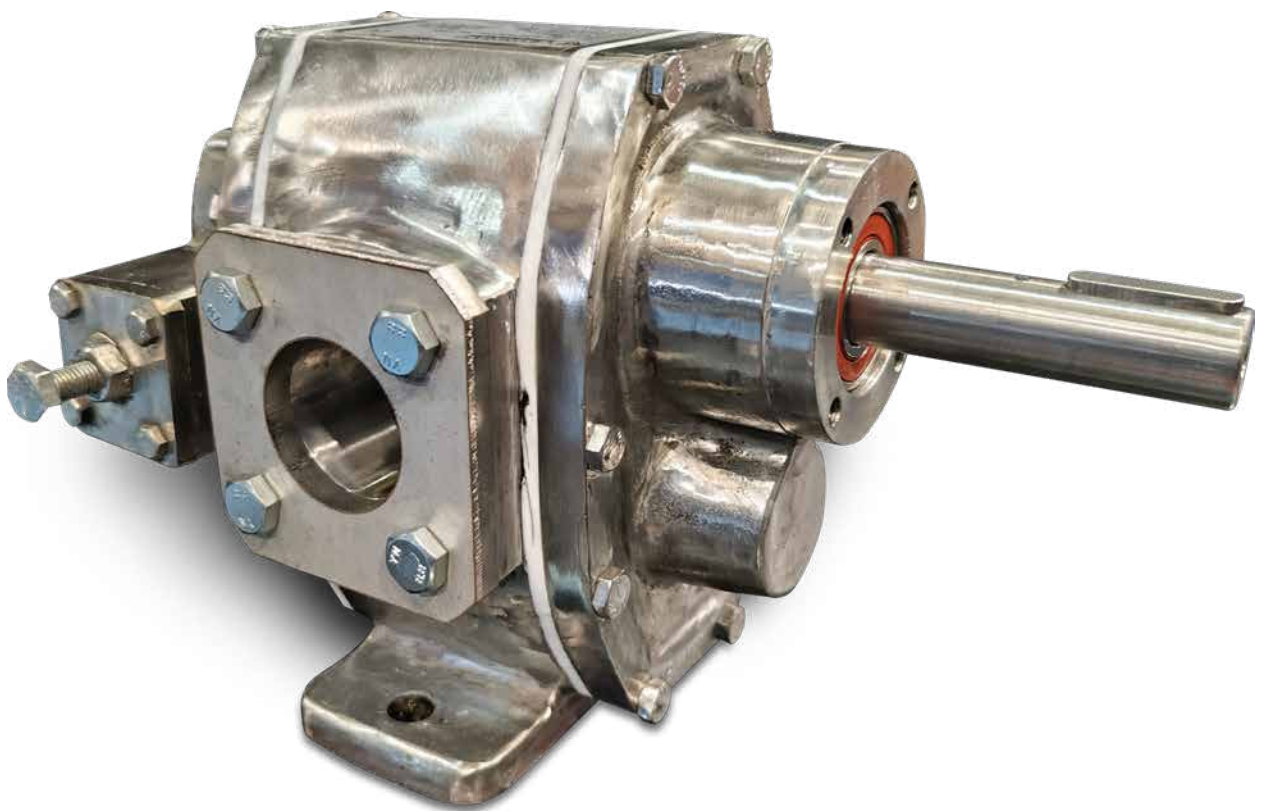
EMHKAM XT (S) series are cast iron, ductile iron and stainless steel gear pumps, designed with packing gland in several options, bush bearings and built in adjustable By-pass valve. Available in 1, 1.5, 3 and 4 inch port sizes, they are equipped with helical gears while being capable of pumping high temperature viscous and aggressive clean liquids.





## **SE Gear Pumps**

SE Gear pump series are made of stainless steel, designed with mechanical seals and bush bearings, elastomers in several options, built in adjustable By-pass valve. They are capable of pumping the majority of corrosive and viscous clean liquids, and they are available in 1, 1.5, 3 and 4 inch port sizes.

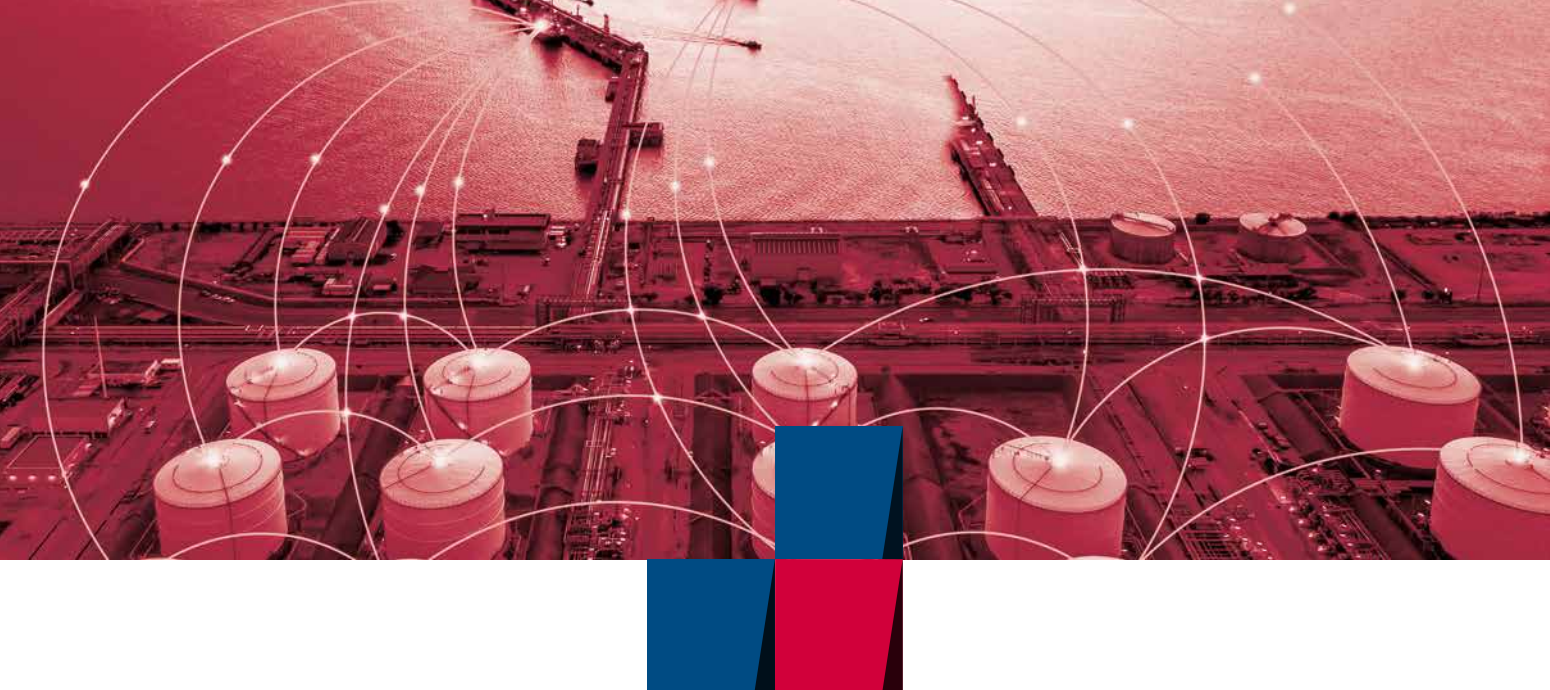




## **FX Gear Pumps**

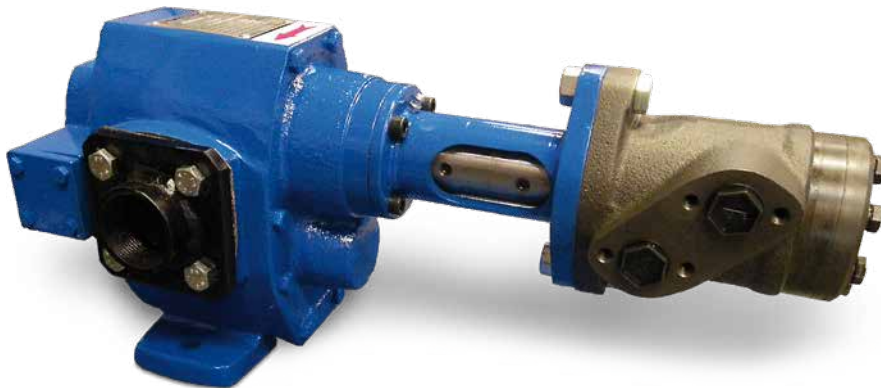
EMHKAM FX series are cast iron gear pumps , designed with rotary lip seals and ball bearings out of the liquid, built in adjustable By-pass valve. They are capable of pumping the majority of viscous clean liquids. Out of the liquid ball bearings are providing excellent reliability and stability while pumping high viscosity liquids. FX Gear Pumps are available in 1, 1.5, 3 and 4 inch port sizes.





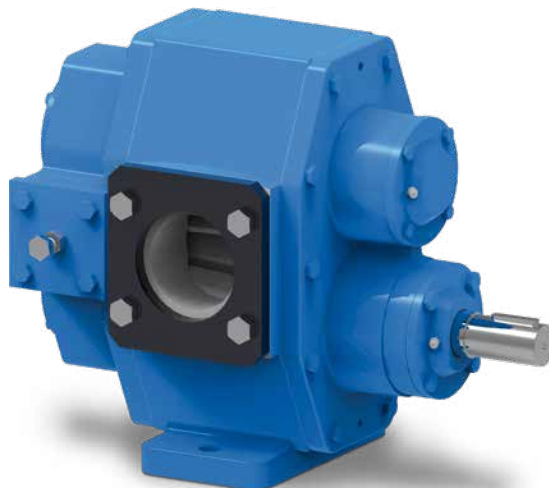
### **Hydraulic Drive | option**

RS, SE and FX Gear pumps are produced with an adapter for hydraulic motors. The hydraulic drive adapter is for SAE flange connection, providing excellent alignment between the shafts of the pump and the hydraulic motor. The construction materials are ductile iron GGG40 and stainless steel SS316.



### **Down Shaft | option**

All models of Gear pumps can be produced with down shaft mounting for easier installation.

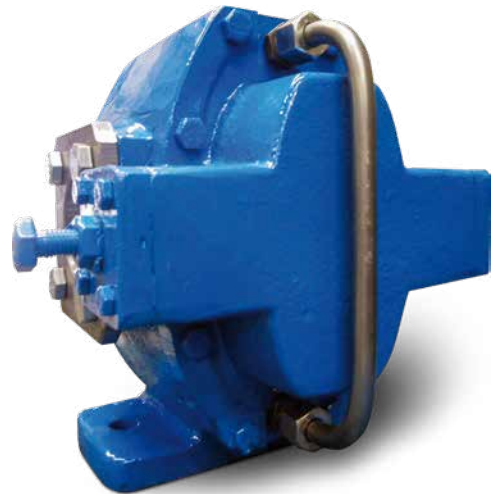
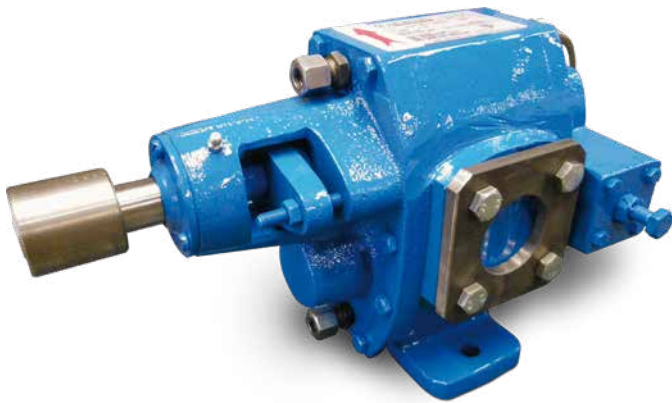






### **Internal Heating System | option**

Gear pumps are available with internal heating system with hot oil and water. The construction philosophy is to built a reliable system that is easy to install in limited available space. The system is available for FX, RS and XT series.



Innovative internal construction



### **T-type Strainer | option**

T-Type strainer is available for EMHKAM Gear pump models in 2, 2.5 and 3-inch sizes. It can be installed directly on the pump or be mounted in any piping area. The construction materials are cast iron, ductile iron, and stainless steel.

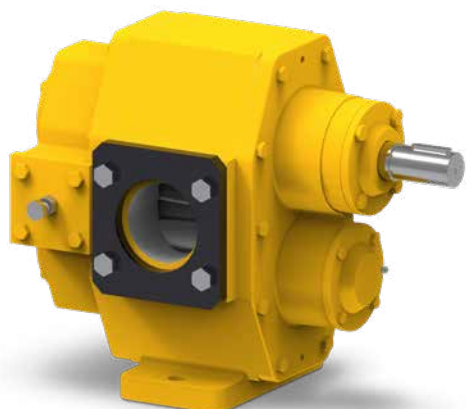


### **Flange | option**

Flange connections available are weld, ANSI/ASME adaptors, NPT and BSPP.

### **Spring | option**

Spring options according to the set-up of the pump and flow/pressure requirements.



### **Paint Systems | option**

Paint systems are applied according to the requirements for offshore and corrosive environments.



## Certifications & Services

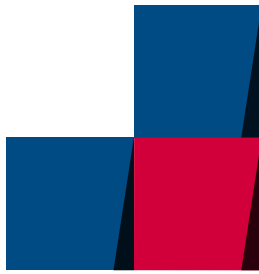
At EMHKAM PUMPS we produce highly reliable precision engineered products, applying a management system throughout the company, meeting and exceeding the customer's expectations and securing the construction of high quality reliable and durable products.

The organization's main vision is to ensure the introduction of EMHKAM PUMPS's products to the international market through a global network, providing excellent quality services and focusing to a continuous developing procedure.

The below certifications and services are following our products:

- BS EN ISO 9001:2015 Quality management systems.
- Directive 2014/34/EU - equipment and protective systems intended for use in potentially explosive atmospheres (ATEX)
- Directive 2006/42/EC - machinery directive
- PMI (Positive Material Identification)
- EN 10204 Inspection certificate 3.1
- Flow Test with Test Report
- Hydrostatic Test with Test Report
- NPSH Test
- Relief Valve Testing
- Pressurized Leak Tests
- General Arrangement (GA)/CAD Drawings
- In-Plant Inspection





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