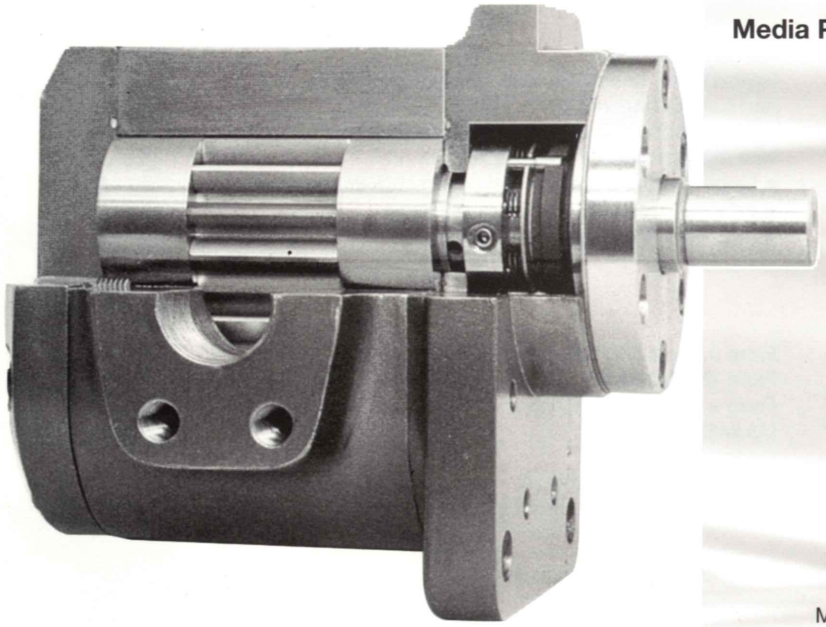
maag pump systems

Maag gear pumps for industrial applications and processes

hydrolub®
refinex®



Media Pumped

Fats and oils
Diathermic oils
Emulsified oils
Fats
Fuel oils
Glycerin
Lubricating oils
Soap products

Organic and inorganic products
Acids
Additives
Alcohol
Amines
Detergents
Esters
Fat acids
Formaldehyde and derivates
Glycols
Hardeners
Isocyanates
Molten sulfur
Phenols
Plasticizers
Polyol
Silicones

Paints and pigments
Epoxy resins
Inks
Pastes
Pigments in solvents
Pigments in water
Varnishes

Polymers
Cellulose derivates
Epoxy resins
Phenolic resins
Plastificizers
Polymers
Prepolymers

Miscellaneous
Additives
Bitumen
Gelatines
Slurries
Petroleum jelly

Efficient pumps for metering, transfer and pressure boosting for a wide range of fluids in industrial applications

Maag gear pumps can be found in many unique applications.

The high precision of the machining and the many choices of construction materials give **Maag** gear pumps metering, reliability, and durability that are unmatched in the industry.

Maag gear pumps are suitable for pumping a great variety of liquids with very distinct characteristics: from the lubricant to the abrasive product, with viscosity from 0.3 to 4.000,000 mPa s, with temperatures from - 30 to 320°C and with pressures up to 350 bar.

Maag has always been synonymous with high quality and is certified **ISO 9001**.

industrial

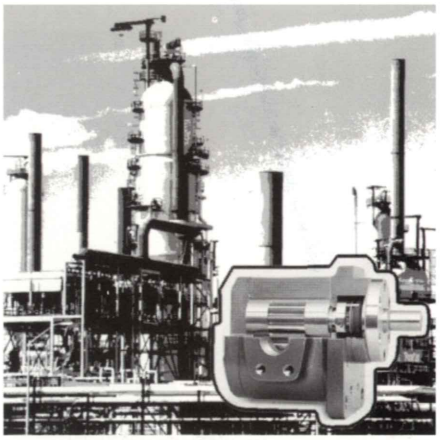
TEXTRON

maag pump systems

hydrolub® refinex®

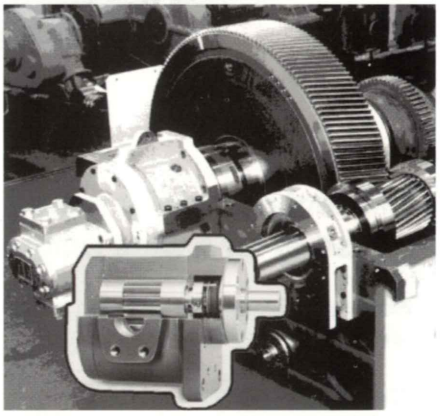
Construction characteristics

Pump housing	hydrolub®	Cast iron
	refinex®	Carbon steel
Gears		Helical teeth, or straight teeth in various materials and surface treatments
Bearings		Journal bearings in different materials and with different surface treatments
Shaft seals		• Single or double mechanical seal in different materials • Available also with magnetic coupling
Connections		• SAE, and ANSI, and CETOP flanges

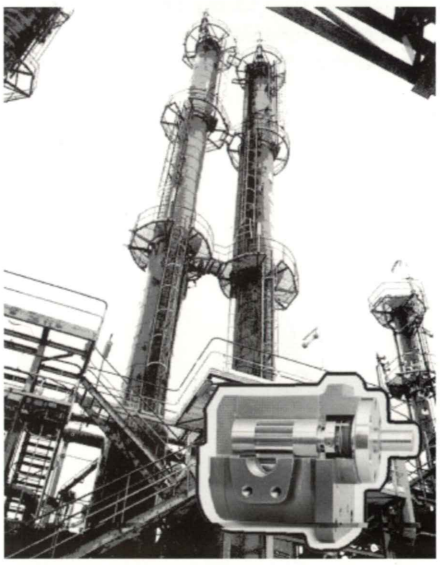


Technical data

Viscosity		From 0.3 to 4,000,000 mPa s
Temperature		From -30 to 320°C
Suction pressure		From a few mbar to 60 bar
Discharge pressure	hydrolub®	Up to 120 bar
	refinex®	Up to 350 bar
Capacity		From a few l/h to 103 m^3/h
		Higher capacities in special executions



Size	Model	Capacity l/min at the pressure of 0 bar at the speed of:			
		750 rpm	1000 rpm	1500 rpm	3000 rpm
22/6	NP	0.96	1.28	1.92	3.84
22/13	NP	2.08	2.78	4.17	8.34
22/22	NP-RX	3.52	4.70	7.05	14.1
22/28	NP	4.48	5.98	8.97	17.9
28/28	NP-RX	7.65	10.2	15.3	30.6
28/36	NP	9.82	13.1	19.6	39.3
36/28	NP	14.9	19.9	29.8	59.7
36/36	NP-RX	19.2	25.6	38.4	76.8
36/45	NP	24.0	32.0	48.0	96.0
45/45	NP-RX	34.7	46.3	69.4	139
45/56	NP	43.3	57.7	86.5	173
56/56	NP-RX	69.4	92.6	139	
56/70	NP	87.0	116	174	
70/70	NP-RX	132	176	264	
70/90	NP	170	227	340	
90/90	NP-RX	278	371	556	
90/110	NP	340	453	679	
110/90	NP	439	585		
110/110	NP-RX	537	716		
110/140	NP	683	911		
140/110	NP	790	1054		
140/140	NP-RX	1006	1342		
140/180	NP-RX	1294	1725		



The technical data shown are indicative of the pumps displacement and can change in consequence of the different characteristics of the fluids or of the different pumps configurations that can be achieved.

We can supply particular constructions, motor-pumps, complete motorization groups and systems on skid.

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