



# Gear Pump 1"

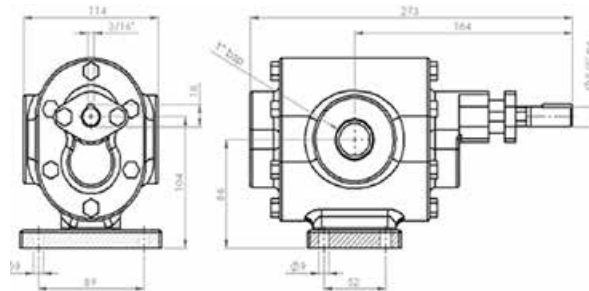
## AMB1X100

*Amboretto  
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# Gear Pump 1" AMB1X42



## Dimensional Drawing



## CAPACITY

- Maximum Flow: 7,000 liters/hour
- Maximum Pressure: 22-bar
- Maximum Rotation: 1750-RPM
- Viscosity: From 0,5 up to 200,000 cSt
- Maximum Temperature: Up to 350°C

## CHARACTERISTICS

- Threaded suction and retaining nozzles Ø 1" BSP;
- Gears helical teeth or spurs;
- Gasket or mechanical seal;
- Sliding bearings in self-lubricating bushings;
- Construction in cast iron, stainless steel, carbon steel or special materials for applications according to customer specification.

## APPLICATIONS

- Pumping and transfer of fluids in general;
- Lubrication systems;
- Filtration systems;
- Supply units;
- Fluid circulation and recirculation systems;
- Loading and unloading of tank trucks;
- Feeding systems for lines, machinery and equipment;
- Dosing in industrial processes;
- Drainage of fluids;
- Systems of refrigeration of machinery and equipment;
- Hydraulics machinery and equipment in general;

## OPTIONAL

- Integrated relief valve; Bearing housings;
- Construction in special materials for specific applications  
Coupling; Motor-Pump Set;

## FLOW TABLE

RPM, FLOW AND POWER		BOOSTER PRESSURE (KG/CM <sup>2</sup> )												
		0	2	4	6	8	10	12	14	16	18	20	22	
1750 RPM	FLOW	liters/hour	7000	6990	6985	6975	6965	6955	6955	6945				
		liters/minute	116.7	116.5	116.4	116.3	116.1	115.9	115.9	115.8				
		HP	2.00	2.00	2.00	3.00	3.00	4.00	5.00	5.00				
1150 RPM	FLOW	liters/hour	4900	4893	4884	4875	4863	4857	4842	4833	4825	4812	4808	4790
		liters/minute	81.7	81.6	81.4	81.3	81.1	81.0	80.7	80.6	80.4	80.2	80.1	79.8
		HP	2.00	2.00	2.00	3.00	3.00	4.00	5.00	5.00	7.50	7.50	10.0	10.0
850 RPM	FLOW	liters/hour	3400	3390	2283	3376	3364	3357	3343	3332	3324	3310	3301	3290
		liters/minute	56.7	56.5	56.4	56.3	56.1	56.0	55.7	55.5	55.4	55.2	55.0	54.8
		HP	2.00	2.00	2.00	3.00	3.00	4.00	5.00	5.00	7.50	7.50	10.00	10.00



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