

### **Automobile Pump Accessories Housing**

Our company, OEM/ODM supplier, produces METALLECA® Automobile Pump Accessories Housing for automobile needs. This kind of housing is asked to show high specifications in appearance, performance, assembly and other aspects. There is a rigorous production process from blank to machining process. In the casting process, we focus on mold design, pouring temperature, pouring speed, aluminum clarity (exhaust gas, slag removal), blank surface treatment. In the manufacturing process, we also consider the rationality and stability of fixture design, the machining precision of critical dimensions, the rationality of turnover (method, protection, etc.), surface treatment method, the standard packaging and pallet methods to the final shipment.



### **Product Description**

You can rest assured to buy customized METALLECA® Automobile Pump Accessories Housing from us. We look forward to cooperating with you, if you want to know more, you can consult us now, we will reply to you in time! Due to our focused approach, timely delivery and ethical business policy, we have been able to gain tremendous success in this domain.

### **Automobile Pump Accessories Housing with Quotation**

To frequently enhance the management process by virtue of your rule of "sincerely, good religion and good quality are the base of company development", we greatly absorb the essence of associated solutions internationally, and regularly produce new goods to meet the needs of shoppers for Free sample for China Aluminum Die Casting RV Motor Gear Box Housing, We welcome new and old prospects from all walks of everyday living to get hold of us for future company relationships and mutual achievements! Free sample for China Aluminum Gear Box, Aluminum Die Casting, Whether selecting a current product from our catalog or seeking engineering assistance for your application, you can talk to our customer service center about your sourcing requirements. We can provided good quality with competitive price for you.

### **Automobile Pump Accessories Housing Introduction**

The METALLECA® Automobile Pump Accessories Housing is the main body of the pump.

It plays a role of permanent support and is connected with the mounting bracket for the bearing that function is to enclose the impeller in a certain space.

When the impeller sucks in and presses out the liquid, the pump casing becomes volute shapes, so called volute.

The runner cross-sectional area of the pump casing flow gradually expands, which will cause high-speed liquid thrown from around the impeller gradually reduces the flow rate and effectively converts part of the kinetic energy into static energy.

The pump casing not only collects the liquid thrown out by the impeller, but also an energy conversion device.

The automobile pump casing is manufactured by using four production processes: sand casting, gravity casting, low pressure casting, and die casting. Our company are more than 10 engineers in a team.

While retaining the function, we optimize the manufacturability of castings. The team not only provides suggestions on material structure, but also finds a balance between design, cost, and component performance.

Finally, a reasonable production process is selected according to the customer's technical standards and needs.

### Automobile Pump Accessories Housing Parameter (Specification)

Production process	Material	Strength	Application
Sand casting	ASTM A356.2	Weight loss and energy saving Good thermal conductivity Superior formability Resistant to rust and high temperature	Automobile (oil pump, water pump, brake pump, air pump, booster pump, etc.)
Gravity casting	ZL104 ZL102		
Low pressure casting			
Die casting	ADC12/A380		

### Automobile Pump Accessories Housing Feature And Application

According to different usage and functional requirements of automobiles, the types of pump casing are as follows:

1. Engine oil pump
2. Brake master cylinder, brake sub-cylinder
3. Car power steering has steering oil booster pump
4. Gas pump
5. Some passenger and freight cars have air brakes. These cars have clutch booster pumps, clutch cylinders, air pumps, brake master cylinders (air), and brake cylinders (air)
6. Automotive air suspension systems have air pumps.

### Product Details

Production Process: gravity casting/ low pressure casting/ die casting + machining + surface treatment

Materials: aluminum alloy ASTM A356.2/ZL102/ZL104/ADC12

Surface treatment: shot blast, spray paint, oxidation

Surface requirements: customize

### Product Qualification

Matching photos:



Product photo:



**Deliver, Shipping And Serving**

Transportation: by sea, by rail, by air

Shipping: pallets (plywood or fumigated wood), wooden case + lid + carton + corner protector + PE film

Delivery: FOB Ningbo or Shanghai recommend

Workshop photos: Machining equipment, Pouring & Die Casting

