JINGJIANG GEAO AUTOMOTIVE TECHNOLOGY CO., LTD.

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PRODUCT DATASHEET

1.6 L Power Steering Reservoir Assembly

Hanger-type power steering reservoir | Part No. HZ-10000



PRODUCT MODEL

HZ-10000

NOMINAL CAPACITY

1.6 L (1.6 dm^3)

Filtration **20 µm / ≥99%**

Relief valve **0.1 – 0.18 MPa**

Filler port **M80×4**

Mounting **Hanger, 4-φ10×20**

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PRODUCT OVERVIEW

The power steering reservoir stores, filters and tops up the hydraulic fluid of the steering system. It takes the return flow from the steering gear, traps wear particles and supplies clean oil to the pump. This hanger-type assembly is built for mainstream bus and coach platforms: 1.6 L nominal capacity, a 20 µm high-efficiency element and a built-in relief valve. MAX / MIN marks on the body make daily level checks straightforward.

KEY FEATURES

1.6 L capacity

1.6 dm^3 nominal volume leaves enough thermal headroom for continuous bus duty.

High-efficiency filtration

A 20 µm element at ≥99% efficiency protects the steering pump and control valve.

Double protection

The relief valve opens at 0.1 – 0.18 MPa when the element clogs, so oil flow is never cut off.

Hanger mounting

Four φ10×20 holes on a steel bracket; bolts to the frame or behind the cab.

Proven fitment

Dimensioned against mainstream bus and commercial-vehicle steering systems.

Series supply

Made under IATF 16949; volume production for buses and construction machinery.

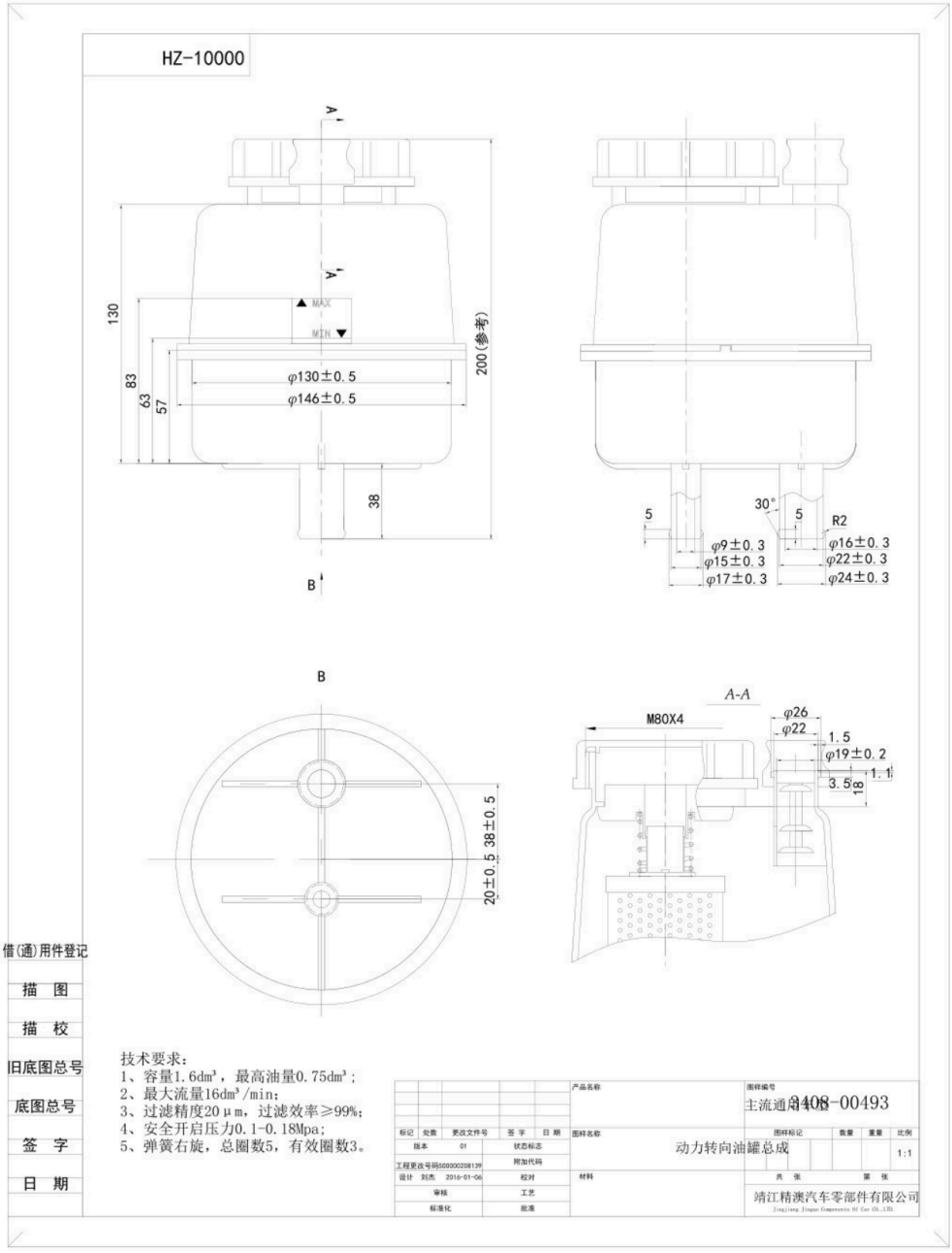


Fig. 1 — Power steering reservoir assembly (HZ-10000), scale 1:1. Main view, right view, B view and A-A section.

1. Nominal capacity 1.6 dm³, maximum oil level 0.75 dm³;
2. Maximum flow 16 dm³/min;
3. Filtration rating 20 µm, filtration efficiency ≥99%;
4. Relief valve opening pressure 0.1 – 0.18 MPa;
5. Spring right-hand wound, 5 total coils, 3 active coils.

TECHNICAL SPECIFICATIONS

POWER STEERING RESERVOIR · HZ-10000

ITEM	SPECIFICATION
Product model	HZ-10000 (power steering reservoir assembly)
Type	Hanger-type power steering reservoir assembly
Nominal capacity	1.6 dm^3 (1.6 L)
Max. oil level	0.75 dm^3
Max. flow	16 dm^3/min
Filtration rating / efficiency	20 μm / ≥ 99%
Relief valve opening pressure	0.1 – 0.18 MPa (spring RH, 5 coils total, 3 active)
Filler port	M80×4
Body outer diameter	φ130±0.5 mm (collar φ146±0.5 mm)
Overall length (reference)	200 mm
Overall width	230 mm
Base mounting holes	4-φ10×20

Values above are taken from the HZ-10000 drawing and technical requirements.

OPERATING & SERVICE NOTES

Fluid filling

Fill the steering fluid specified by the bus manufacturer through the M80×4 filler port. Do not exceed the 0.75 dm^3 maximum level.

Filtration & service

Check the filter element condition and fluid cleanliness at each service interval; replace the element or fluid per the fleet maintenance schedule.

Installation

Bolt the 4-φ10×20 base holes to the frame. Inlet, outlet and drain connections must be leak-free — air ingress must be avoided.

Custom support

Port sizes, overall dimensions and capacity can be adapted to customer requirements, with sample verification before series supply.