JINGJIANG GEAO AUTOMOTIVE TECHNOLOGY CO., LTD.

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PRODUCT DATASHEET

2.0 L Power Steering Reservoir (ZF-type)

Hanger-type power steering reservoir | Part No. JO-8098



PRODUCT MODEL

JO-8098

NOMINAL CAPACITY

2.0 L (2 dm³)

Filtration **30 µm / ≥95%**

Relief valve **0.1 – 0.18 MPa**

Filler port **M80×4**

Max. flow **24 dm³/min**

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PRODUCT OVERVIEW

A 2.0 L hanger-type reservoir that matches the ZF-type mounting envelope, so it drops into existing installations without rework. The larger 24 dm³/min flow capacity suits heavier steering systems on coaches and trucks. Fluid enters through IN, passes a 30 µm element at ≥95% efficiency and leaves through OUT toward the pump suction; the integral relief valve bypasses at 0.1 – 0.18 MPa if the element blocks.

KEY FEATURES

2.0 L capacity

2 dm³ nominal volume for larger steering circuits and higher heat rejection.

ZF-type replacement

Mounting pattern and envelope match the ZF-type reservoir for direct replacement.

30 µm filtration

≥95% efficiency removes wear debris while keeping pressure drop low at 24 dm³/min.

Relief valve

Opens at 0.1 – 0.18 MPa on element clogging, maintaining supply to the pump.

Compact footprint

208 mm overall length with a 180 mm body section fits tight engine-bay layouts.

Series supply

IATF 16949 production, consistent batches for fleet and aftermarket programmes.

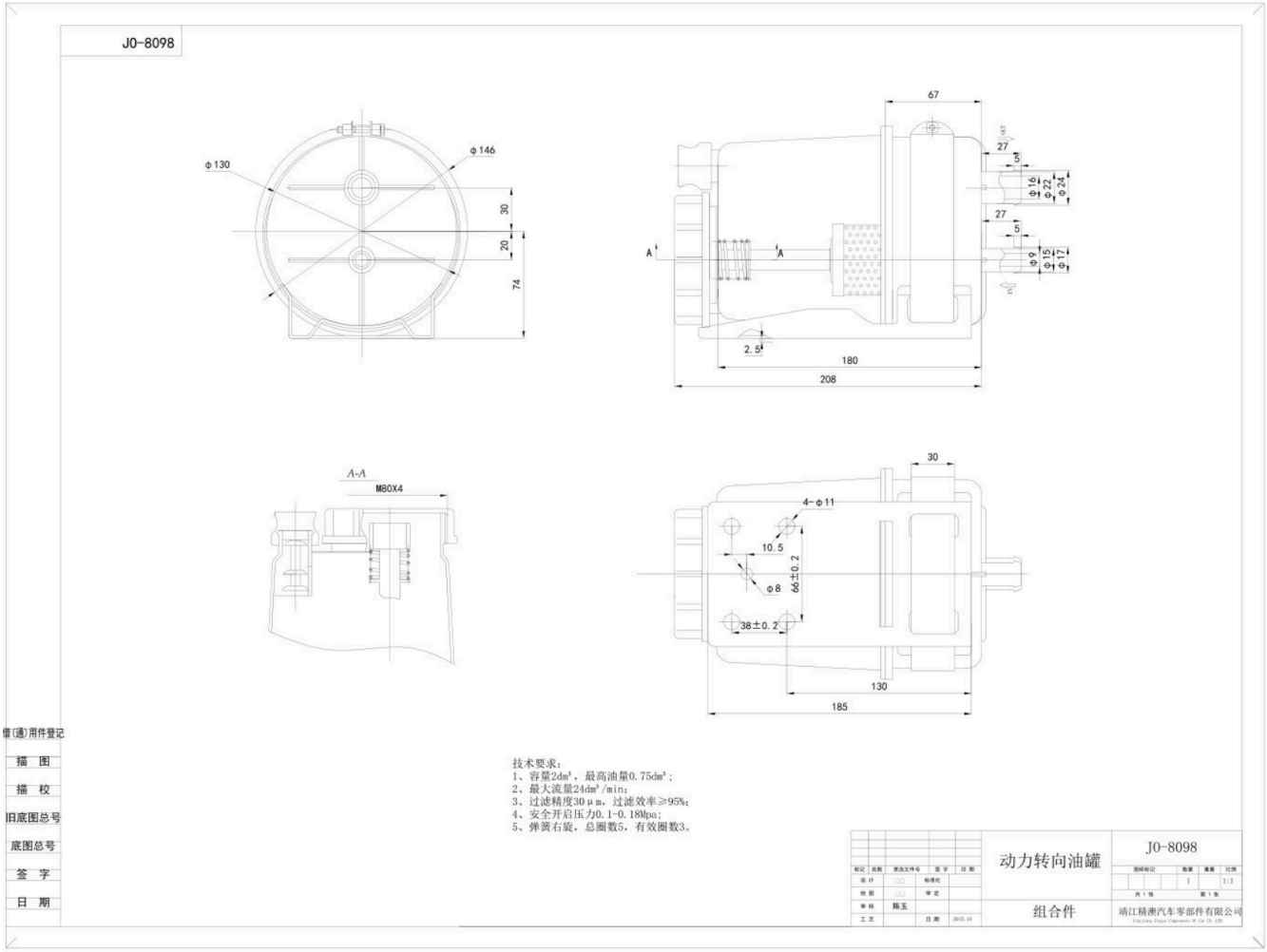


Fig. 1 — Power steering reservoir assembly (JO-8098), scale 1:1. Main view, top view and section views.

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 · JO-8098

ITEM	SPECIFICATION
Product model	JO-8098 (power steering reservoir assembly)
Type	Hanger-type power steering reservoir (ZF-type replacement)
Nominal capacity	2 dm^3 (2.0 L)
Max. oil level	0.75 dm^3
Max. flow	24 dm^3/min
Filtration rating / efficiency	30 μm / ≥ 95%
Relief valve opening pressure	0.1 – 0.18 MPa (spring RH, 5 coils total, 3 active)
Filler port	M80×4
Body outer diameter	φ130 mm
Overall length / body section	208 mm / 180 mm
Overall width (top view)	185 mm
Base mounting holes	4-φ11, pitch 66±0.2 mm and 38±0.2 mm

Values above are taken from the JO-8098 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.