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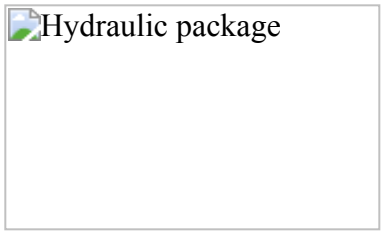
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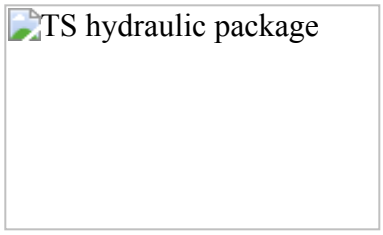
Find the *Fine-Sinter TS-04PLI-3H-G380* at our website: *Click HERE*

Hydraulic Package-TS Hydraulic Package

- TS hydraulic package
- Double rotation type
- One-way rotation type
- One-way rotation combination type

New series in pursuit of quietness and ease of use

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The TS hydraulic package integrates all necessary equipment such as motors, pumps, valves, and tanks. It is a unit product that can easily complete a hydraulic system just by connecting it to an actuator. It is a highly reliable product that is compact and lightweight , realizes low noise and low vibration operation, and immediately meets the needs of production sites.

Immediately respond to new needs at the forefront of production sites. Achieves epoch-making noise reduction with a newly developed pump. It has become easier to use with a wider range of options. Necessary equipment is integrated. We will deliver a compact hydraulic system according to the application.

The needs of the times have changed rapidly, and production equipment has been required to be flexible. We believe that the Fine Sinter hydraulic package, which is as compact as possible, easy to handle, and low cost, can fully meet your needs.

- Rotation type / format list
- Characteristic table
- option
- Fan cooler 0.4kW drawing
- Fan cooler 0.4kW CAD drawing
- Fan cooler 1.5kW, 2.2kW Drawing
- Fan cooler 1.5kW, 2.2kW CAD drawing
- Tank drawing (vertical type)
- Tank drawing (horizontal type)

Features of TS hydraulic package

Easy handling
: All necessary equipment such as motors, pumps, valves, and tanks are integrated, so you can easily complete a hydraulic system simply by connecting it to an actuator.

Small and lightweight

A miniaturized design is adopted for each part such as the pipeless manifold structure. The installation space is small and it can be incorporated into the device.

Low noise, low vibration

The ideal type of gear pump, the inscribed method, is used for all models. Due to the small pulsation and confinement, low noise and low vibration operation is realized.

High reliability

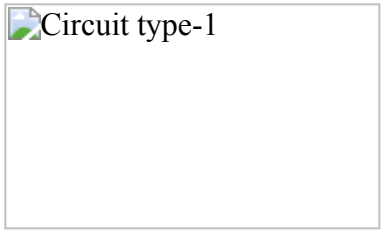
The track record of being active in many mass production lines confirms the high reliability of hydraulic packages.

Types and features of circuit types

Double rotation method

This method is based on the unique idea of changing the direction of motion of the actuator by turning the motor forward and backward without using an electromagnetic switching valve. With one actuator, it is ideal for simple circuits that do not require complicated control.

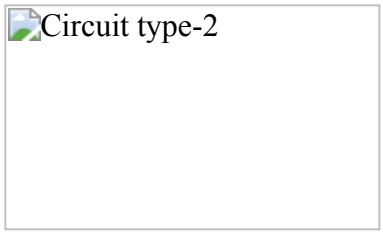
Circuit type-1



The direction of movement of the actuator can be changed by the forward / reverse rotation of the motor without using the electromagnetic switching valve. It can be used for single rod cylinders, double rod cylinders, rocking motors, and hydraulic motors. Equipped with two relief. For Forward Rotation Valves And Reverse Rotation. To Hold The Load When The Motor Is Stopped, Use A Pilot Check Valve Or Lock It Mechanically. This Circuit Type Is Suitable For Applications Where The Actuator Is Simply Reciprocated.

Double rotation type circuit method-1 Details

Circuit type-2

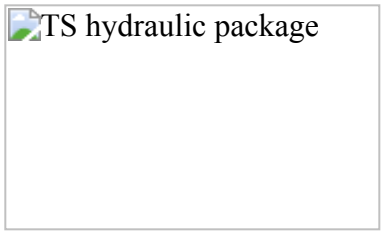


Similar to circuit type 1, the direction of movement of the actuator is changed by the forward / reverse rotation of the motor, but since the pilot check valve is built in, it is possible to hold the pressure in the stopped state. Suitable for presses And Lifters. In Addition, A One-Way Diaphragm Is Attached To The B Port To Prevent Knocking Due To Self-Propelled Cylinders To Some Extent.
The Suction Check Valve Is A Double Check Valve With A Unique Structure To Prevent The Generation Of Back Pressure peculiar to both rotating circuits.

Double rotation type circuit method-2 Details

One-way rotation method

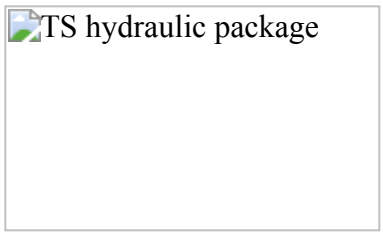
It is suitable for circuits that use a general electromagnetic switching valve and operate multiple cylinders or frequently by controlling the actuator. In addition, it can be easily combined with various valves, and complicated control is possible.



The most basic circuit is a packaged motor, hydraulic pump, guide piston type relief valve, and oil tank.
Since the motor rotates in one direction, the direction of movement of the actuator can be changed by switching the electromagnetic switching valve. Select this type Electromagnetic switching valves and other control valves can be installed according to the instructions. When reciprocating frequently or when instant stop is required
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One-way rotation details

One-way rotation method combination type



Equipped with two pumps, low pressure large capacity and high pressure small capacity, while the load is small, it is fast forwarded with a large discharge amount that is the sum of the large capacity and the small capacity, and when the load becomes large, The unload valve works and the high pressure small capacity It is a combination type that only works.
As with circuit type 3, the rotation is unidirectional, so the electromagnetic switching valve controls the direction of movement of the actuator.
Electromagnetic switching valves and other control valves can be installed as instructed.

One-way rotation combination type details

Application example of hydraulic package

- Molding press (rubber, powder product)
- Adhesive, crimp press
- Sheet metal press (bending, spreading, punching, caulking)
- Rubber extrusion press
- Press-fit press
- Clamping device (mold, work, jig)
- Deburring, chamfering press
- Feeding device (workpiece, drill, etc.)
- Dimension correction press
- Switchgear (mold, door)
- Marking press (stamping machine)

- Lifter device

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