

Supplier: REINEKE

Identifier	Description	Manufacturer	Type
10/20MAX01AP011	Double Gear Pump	BAIER+KÖPPEL	FL65A+0,35A-Viton
10/20MAX01AP012	Double Gear Pump	BAIER+KÖPPEL	FL65A+0,35A-Viton

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Class: Restricted

Technical description

BE-72-50-114

Double Gear Pump

Type:
FL .. A + 0,35 A

Installation

The gear pump is installed in vertical position. For directdrive operation the pump is equipped with an elastic clutch. When installing the pump, the piping assembly connected to it has to be taken into account. Tensions due to incorrectly installed tubes or to misalignment of the drive motor should be avoided. Any misalignment of the shaft should not exceed 0,2 mm. Even if some manufacturers of drive clutches state that a greater misalignment can be compensated by the clutch, the restoring force of the clutch generates some radial load on the shafts to be connected, and this may result in damages to the pump. Impacts on the shaft end are not acceptable at all, as they might result in serious damage to the pump.

Fluid quantity – fluid temperature

Pre-requisite for a long service life and highest operational safety is a fluid, clean and non-corrosive fluid, which is in any case free of hard additions. The fluid quantity required in the storage tank depends on the conditions of operation. In case of intermittent operation, a quantity will be satisfactory which corresponds to two times the total flow rate per minute of the pump. For continuous operation, a quantity of fluid of 3 or 4 times that reserve has to be provided. The operating temperature of the fluid should be in the range from -10° to +80° C. The ideal range of temperature is from 30° up to 50° C. A fluid cooler is installed in order to keep the temperature within certain limits.

Range of viscosity

The viscosity of the fluid should be between 25 and 750 mm²/s. The degree of contamination of the fluid has to be measured acc. to ISO 4406 and should be within 21/19/17.

Clutch

The diameter tolerance of the shaft end is j6. The diameter tolerance of the clutch hub should be in accordance to H7.

Start-up operation

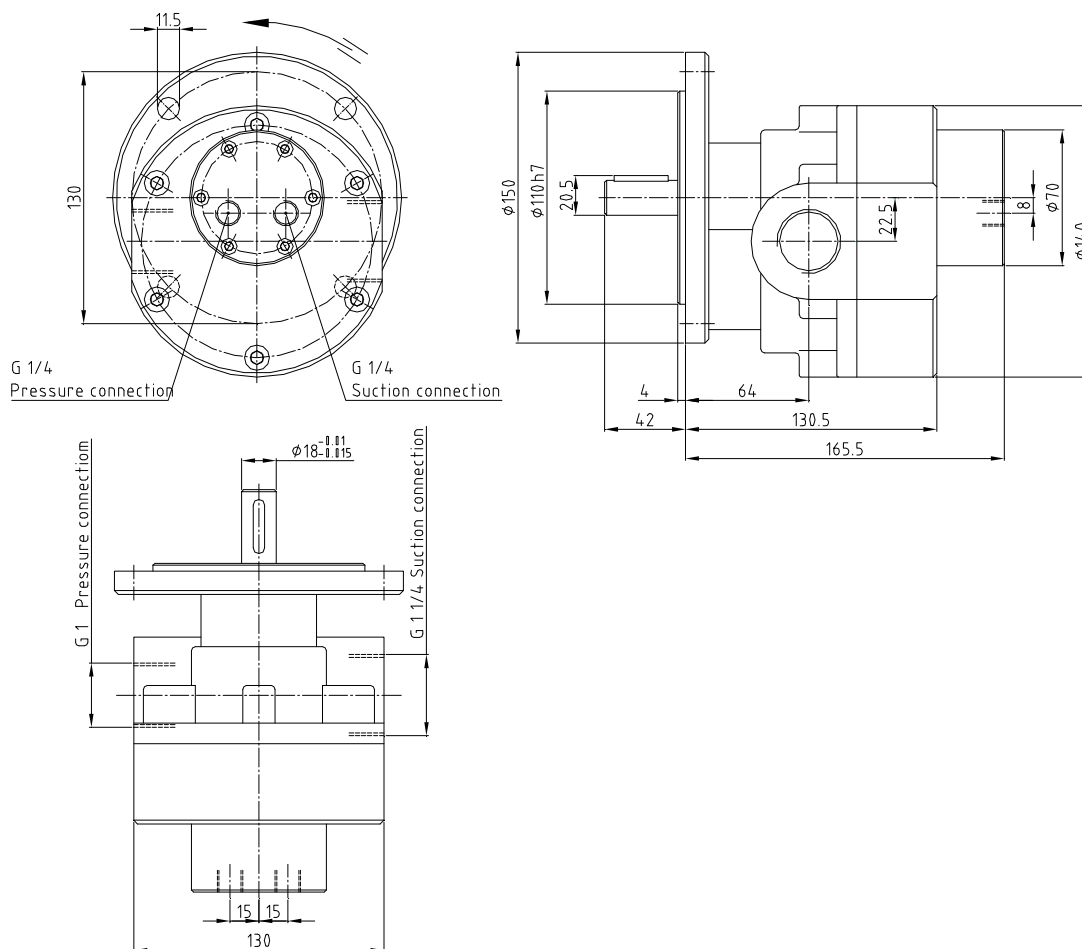
It will be usefull to fill the pump and the suction with pressure fluid by manual rotation, before putting the motor into operation. After that, the pump should be set to "supply" condition, by turning the motor "ON". In doing so, watch the fluid level in the tank until bleeding of the system is positively finished, in order to make sure that the fluid level does not decrease to an amount less than the minimum suction limit. After the first start-up operation (in depressurized condition), the system should be turned "OFF" again, in order to allow separation of air dissolved in the oil. Operation of the pump in pressurized condition is acceptable only if the pressure fluid does not contain any bubbles.

Type: FL45A + 0,35A

Technical data

Installation position:	optional, preferably horizontal
Painting:	without
Pump type:	displacement pump
Output rate:	1. delivering cycle 45 l/min at 1400r/min 2. delivering cycle 0,35 l/min at 1400r/min
Sense of rotation:	right
Conveying direction:	right
Intake connection:	1. delivering cycle G 1 ¼ 2. delivering cycle G ¼
Pressure connection:	1. delivering cycle G 1 2. delivering cycle G ¼
Model:	A (without pressure relief valve)
Operating pressure:	max. 10 bar
Viscosity:	25 - 750 mm²/s
Ambient temperature:	- 20°C to + 80°C
Rotary shaft seal:	FKM (Viton)

Dimensions



Technical alterations reserved

edit: 24/05/2016 Krä.

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Von-Ebner-Eschenbach-Straße 5

Double Gear Pump

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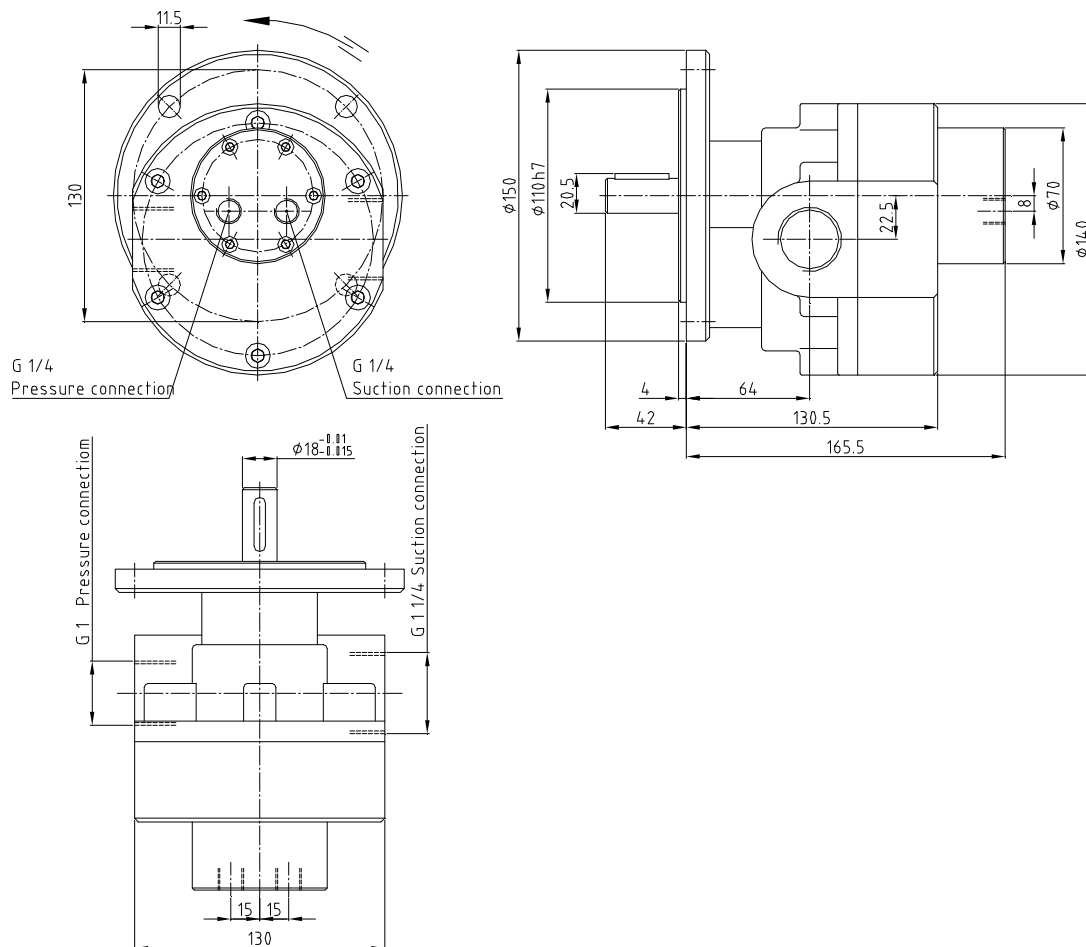
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Type: FL65A + 0,35A

Technical data

Installation position:	optional, preferably horizontal
Painting:	without
Pump type:	displacement pump
Output rate:	1. delivering cycle 65 l/min at 1400r/min 2. delivering cycle 0,35 l/min at 1400r/min
Sense of rotation:	right
Conveying direction:	right
Intake connection:	1. delivering cycle G 1 ¼ 2. delivering cycle G ¼
Pressure connection:	1. delivering cycle G 1 ¼ 2. delivering cycle G ¼
Model:	A (without pressure relief valve)
Operating pressure:	max. 10 bar
Viscosity:	25 - 750 mm²/s
Ambient temperature:	- 20°C to + 80°C
Rotary shaft seal:	FKM (Viton)

Dimensions



Technical alterations reserved

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