

INSTALLATION PROCEDURE

1 - CHECKING THE DIRECTION OF ROTATION OF THE PTO

Make sure that the technical specifications between the pump and the PTO are suitable.

2 - FILLING



Fill the pump with clean oil by using the bleed screw, use the same oil as your hydraulic circuit (For the oil quality to use, please read our recommendation page 6).

3 - INSTALLATION

3.1 - PREPARATION

If there is no recommendation from the PTO manufacturer, grease the splines with graphite grease (type Molykote G-Rapid+).

3.2 - TIGHTENING

For the tightening torque, please follow the PTO manufacturer's recommendation.

Nota: use only the fixation nuts supplied with the PTO. If mounting by prop shaft, align the pump with the PTO outlet.

No axial or radial load allowed on the drive shaft.

4 - INLET FITTING ASSEMBLY

Position the inlet fitting as a function of the direction of rotation. Assemble the inlet fitting according to the diagram on the right. Make sure the o-ring is on the inlet fitting. Tighten the four screws.

In case of threaded inlet fitting maximum speed needs to be reduced (contact our technical department).

5 - OIL SUPPLY

Make sure that the hydraulic reservoir and suction line are clean and that the suction line is correctly sealed.

Connect the suction lines and pressure line to the pump.

Then open the tank isolation valve (if there is one) and fill in the hydraulic tank with a filling device including a filter. The preferably cleanliness of the hydraulic oil has to be according to our recommendation: 20/18/15 according to ISO 4406.

6 - COMMISSIONING AND PRIMING

Start-up the pump at low speed, until the pump is completely filled and no air remains.

7 - CHECKING

Check periodically that the vent tube is not clogged, and that there are no leakages nor any signs of oil in the tube.

In case of leakage, stop the vehicle immediately and check the sealing of the pump.

Check the tightening of the pump-PTO regularly, referring to the specifications given by the PTO manufacturer.

8 - CHOICE OF INLET FITTING

The inlet fitting has to be dimensioned as a function of the installation and we recommend to ensure a flow speed between 0.5 and 0.8m/s.

9 - HYDRAULIC OIL

We recommend using a mineral hydraulic oil of type HLVP according to DIN 51524-2 or HV according to ISO 11158.

Bio hydraulic oils HEES according to ISO 15380 can be used.

The recommended viscosity of the fluids is between 15 and 400 cSt.

The optimum viscosity is between 20 and 40 cSt.

A viscosity of maximum 1000 cSt is tolerated for start-up at low speed and without load.

The temperature of the fluid should not exceed 80°C.

10 - FILTRATION

Oil cleanliness for this type of pump is minimum 20/18/15 according to ISO 4406 (or class 9 according to NAS 1638).

11- STORAGE

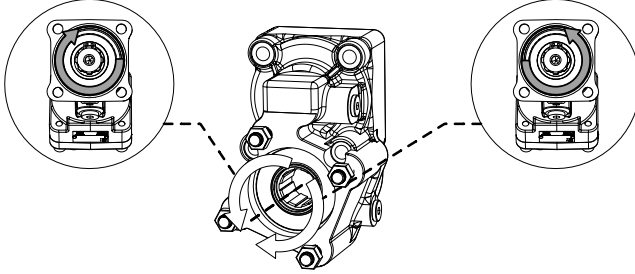
The pump can be stored for maximum 1 year in its original packing, and in a dry area. Do not expose the product to temperatures below -30 °C and above 80°C.

INSTALLATION PROCEDURE

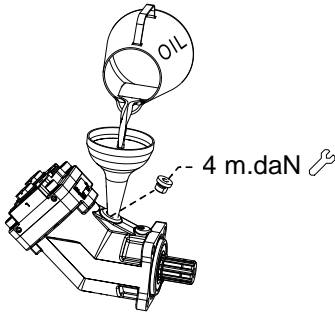
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SH / CW

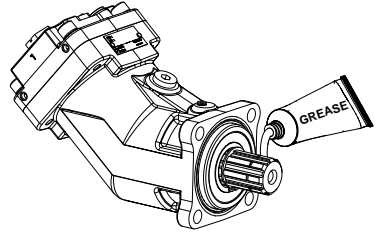
SIH / CCW



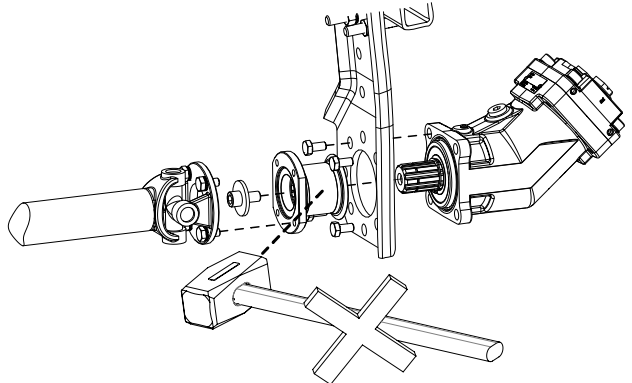
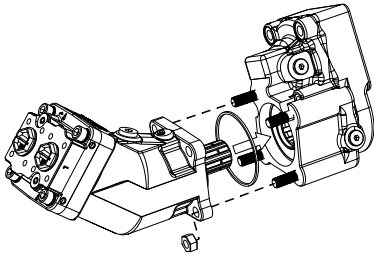
2



3.1



3.2

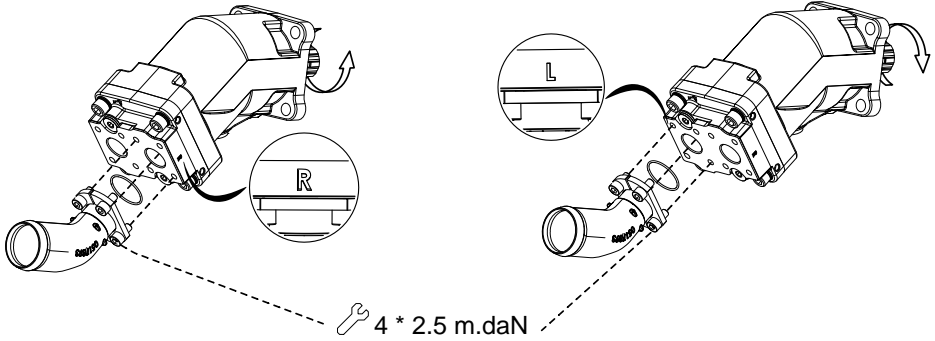


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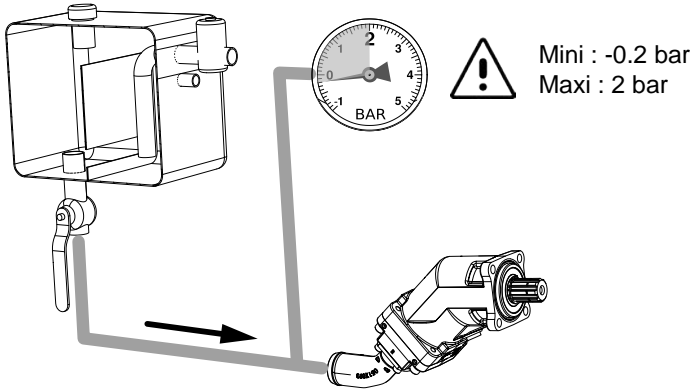
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SH / CW

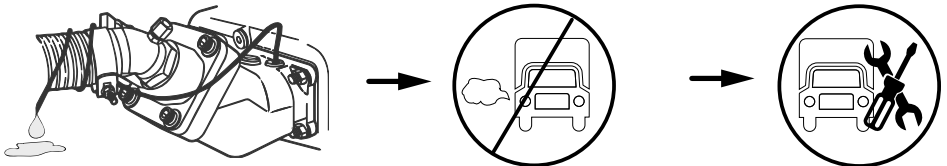
SIH / CCW



5 - 6

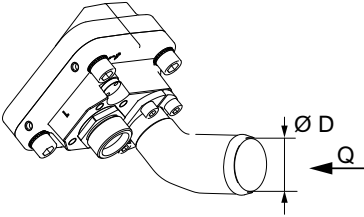


7



INSTALLATION PROCEDURE

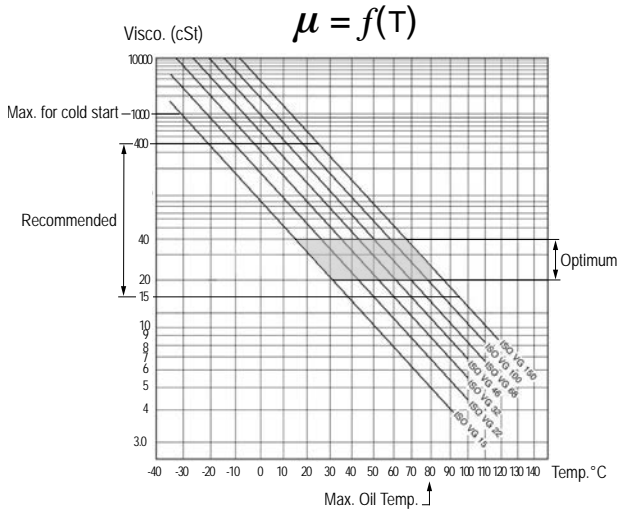
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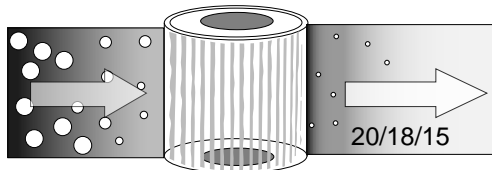
Ø D	Q Max*.
1½" (39.1 mm)	60 l/min
2" (50 mm)	120 l/min
2½" (63.5 mm)	150 l/min

* Qmax. recommandé/Qmax. recommended / Qmax. Empfohlen

9



10



Complete Product Range

Piston Pumps

Piston Motors

DIN

DIN 5462 / ISO 14
8x32x35
8x32x36
DIN 6885



A8PD



A9MD

ISO

ISO 3019-2 (4 BOLTS)
DIN 5480 -W25,30,35,40,45
DIN 6885 -Ø20,25,30,35,40,45



A8PO



A9MO

SAE

SAE B2 C4 - SAE D
SAE J498b
SAE J 744



A8PS



A9MS

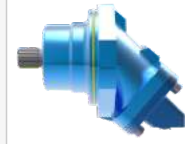
M2

Fixed Plug-in

DIN 5480 / ISO 3019-2
W30 - W35 - W40
M21 - M22 - M23



A8PL - Dual Flow



A9MF - Semi integrated

A4

DIN ISO 14
8x32x36



A4PP Single Flow



A4PL Dual Flow

A6

P2 Connection M8x125
Woodruff key 3x6,5 NF E
27-653 NF R 124-04
(2 BOLTS)



A6HP - High Pressure



**A7GP - Gear Pump
A7GM - Gear Motor**

Contact



Gold Hydraulics, Ltd.

2019® Catalogue

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www.goldhydraulics.com

For more details and other catalogs,
please send email to our team.

Hydraulic Bent Axis Piston Pumps
Bent Axis Motors
Dual Flow Piston Pumps and Gear Pumps...

Sales Team

info@goldhydraulics.com

Order

order@goldhydraulics.com

Management

mail@goldhydraulics.com



www.goldhydraulics.com