

Comparison of Dimensions/ Installation Instructions



EIPS 2

Comparison of the Dimensions

| Counterclockwise rotating | clockwise rotating | | A | B | C | D | E |
|---------------------------|----------------------|---------------------------|------|-------|-----|-----|-----|
| EIPS 2-16 644 | EIPS 2-16 144 | Eckerle from 2001 | 85 | 105 | 112 | 117 | 7,7 |
| 1PF2GF3-1X/016LC20MP | 1PF2GF3-1X/016RC20MP | Rexroth (1993 - 1994) | 85 | 105 | 112 | 110 | 7,4 |
| IPF 3-16 644 | IPF 3-16 144 | Eckerle (1985 - 1993) | 85 | 105 | 110 | 110 | 7,4 |
| IPSF 3-16 644 | IPSF 3-16 144 | Eckerle/Wabco 1980 - 1985 | 85 | 105 | 116 | 111 | 7,4 |
| IPM 3-16 645 | IPM 3-16 145 | Wabco | 83,5 | 103,5 | 114 | 116 | 7,4 |

Replacement pump 1 PF2GF2-2X on request from year of manufacturing 1994 on

Installation Instructions

Oil purity

The essential factor for a trouble free operation of hydraulic equipment is the purity of the oil!

For the ECKERLE internal gear pump the pollution class 9 according to NAS 1638 is permissible!

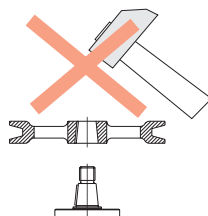
In order to guarantee a trouble free operation also the tank should be cleaned together with the replacement of the pump and the filter be changed. Also a regularly oil change should be performed.

Vacuum Filter

If your equipment is provided with a vacuum filter in no case a vacuum filter with smaller screen aperture may be used. Danger of cavitation!

Pump Drive

Never use extensive force or pressure on for connecting clutches or pulleys! The pump must be installed on the drive shaft without axial load.



First Time Operation

The first time operation of the pump shall be made by a hydraulic expert.

Remove all plastic plugs. The pump may only be started after it has been filled with oil on the suction side.

If the pump does not immediately deliver oil the flow check valve in the pressure line must be checked. Bleed the pressure line upstream of the flow check valve.

Belt Tension

Please observe the following information of the permissible belt tension according to the maintenance instructions for your vehicle.

The shaft bearing of the pump may be damaged at overload.

Dimensions of counterclockwise rotating Pump EIPS2-1 6 644

