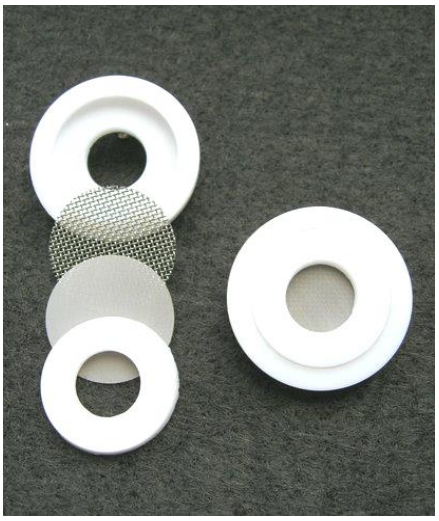
Hydraulic Grease Press

HGP

According to DIN 51813

albers engineering

Hydraulic Grease Press HGP



Sieves and holder

(The actual appearance of the Instrument may differ slightly from the illustration)

Description

Using this test apparatus the user is able to determine the amount of solid particles contaminating a grease. The method used conforms to DIN standard 51813 and is applicable to greases not containing any solid lubricants.

A certain amount of grease is pressed through a fine sieve. Particles contaminating the grease are retained in the sieve and are subject to further analysis.

Solid particles in greases cause severe problem during lubrication. They have an influence on the noise behavior of ball bearings and support wear.

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Hydraulic Grease Press

HGP

According to DIN 51813

Technical data

Operating pressure:	Up to 150 bar (2175 psi)
Test load at piston:	60-70 kN
Sample size:	0,5 kg (more on demand)
Supply voltage:	230 V AC (other on request)
Power consumption:	0,4 kW
Size:	500 x 750 x 1250 mm (W x D x H)
Weight:	ca. 70 kg

Features

- Easy to operate
- Low noise operation
- Different sample volumes and sieves available

Supplied accessories

- Wrench (size 41)
- 10 x support sieves
- 10 x sieves (25 µm)
- 2 x PTFE-holder

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Hydraulic Grease Press

HGP^{Plus}

Filterability of lubricants + and tests according DIN 51813

Hydraulic Grease Press HGP^{PLUS}

(The actual appearance of the Instrument may differ slightly from the illustration)

Description

The Hydraulic Grease Press **HGP^{Plus}** is the extended version of Hydraulic Grease Press **HGP** and offers, in contrast to the base unit, the possibility of testing the filterability of greases and other viscous substances.

This is made possible by the controlled adjustment of the flow rate at the test sieve and the pressure within the grease cartridge. The adjustment range of both parameters is based on the range of parameters present in filters used in central lubrication systems. Results of such tests indicate to the user whether a fat suitable for the respective application.

In contrast to the base unit Hydraulic Grease Press **HGP^{Plus}** has a PLC with graphic display, via which all relevant process values can be set and monitored.

Hydraulic Grease Press

HGP^{Plus}

Filterability of lubricants + and tests according DIN 51813

Technical data

Operating pressure:	Up to 150 bar (2175 psi)
Test load at piston:	60 – 70 kN
Sample size:	0,5 kg (more on demand)
Supply voltage:	230 V AC (other on request)
Power consumption:	0,4 kW
Size:	500 x 750 x 1250 mm (W x D x H)
Weight:	ca. 75 kg

Features

- adjustable flow rate at the test sieve (range 0,5 – 1,5 m/min)
- adjustable maximum filtration pressure (0 - 60 bar)
- pressure measurement at the test sieve (0 - 60 bar)
- All process values recorded and display via PLC with graphical display
- Easy to operate
- Low noise operation
- Different sample volumes and sieves available

Supplied accessories

- 10 x support sieves
- 10 x sieves (25 µm)
- 2 x PTFE-holder
- Wrench (size 41)

Options

- Higher operating pressure / higher pressure at the test sieve