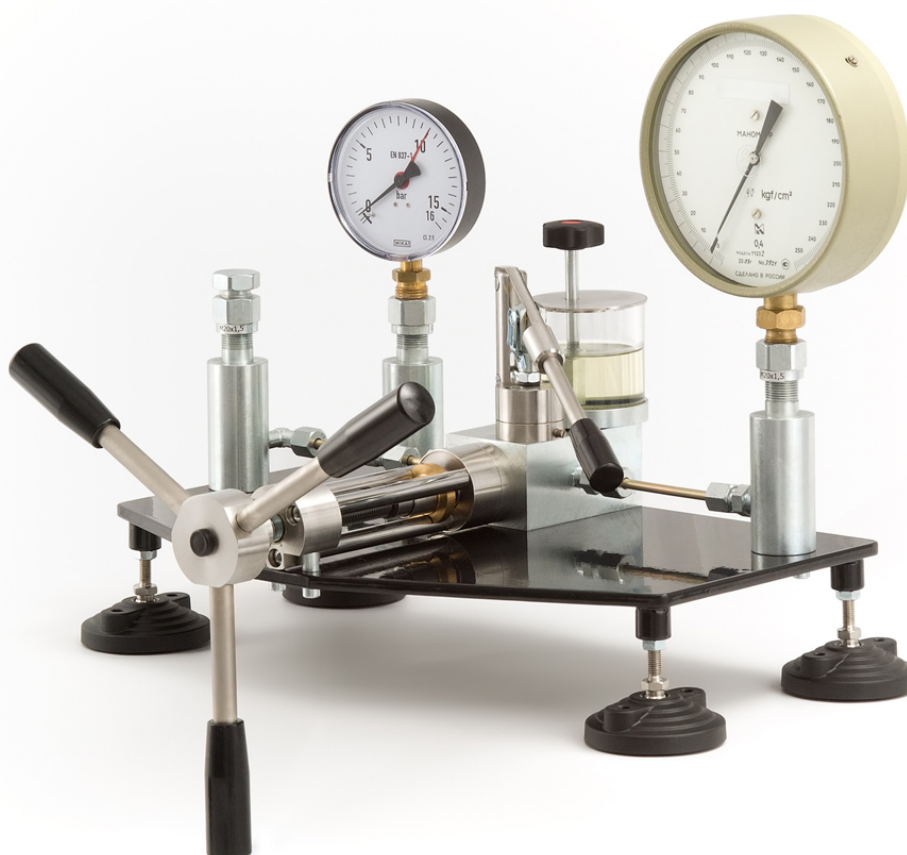


Comparison pump GUSK



Intended use

Verification and calibration of gauge pressure measuring instruments: pressure measuring transducers (sensors), reference and industrial pressure gauges Verification and calibration of pressure measuring instruments operating in clean media (oxygen, medical, food, etc.).

Highlights

Reference pressure generating range is from 0¹ to 100 MPa.

Oil, water, alcohol can be used as a working medium². When supplied as a standard delivery pack, it is degreased for calibration of oxygen measuring instruments.

Convenient hydraulic system for creating pressure, including a pre-filling pump (pre-pressure pump) and a screw press..

Transparent bowl for monitoring the level of working medium contamination.

Improved ergonomic features, reduced mass and dimensional characteristics.

The standard supply includes a set of connecting nuts for easy installation of devices on test, a set of modern seals that allow tightening without using wrenches (by hand) on pressures up to 100 MPa, repair kit.

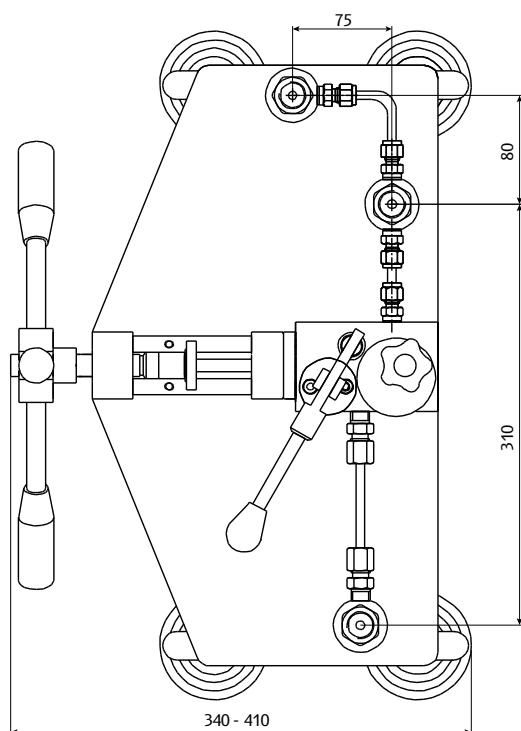
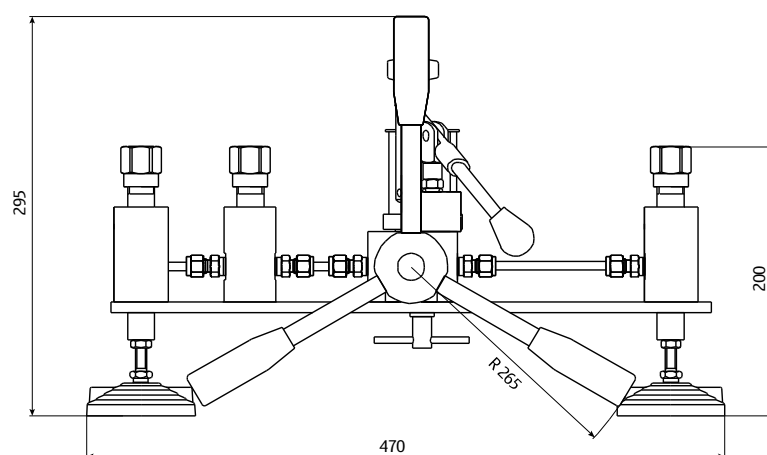
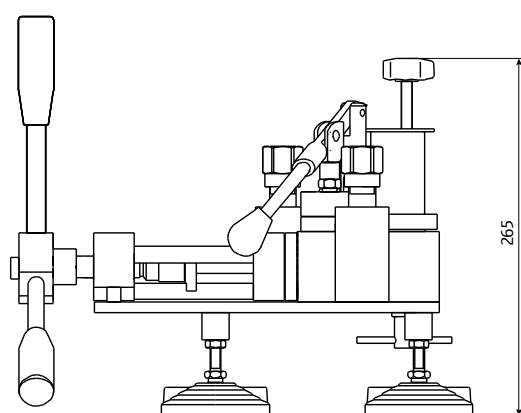
¹ It is not recommended to use GUSK with pressure measuring devices with an upper limit of less than 0.1 MPa.

² When ordering GUSK, indicate the need to use alcohol (complete with additional equipment).

Main technical and operational characteristics

	GUSK
Pressure generation range, MPa	0...100
Number of places for pressure measuring instruments on test, pcs.	2
Weight of the device, kg	18
Volume of the bowl for the working medium, ml	130
Working medium	oil, water, alcohol

Overall dimensions



On request, comparison pump «GUSK» can be equipped with different medium separators, high pressure hoses and other auxiliary equipment.

Medium separators

The Oil/Water Separator RGB is designed for calibration and verification of pressure measuring devices that are sensitive to contamination by oil (including oxygen version). The separator is installed directly on the hydraulic device, filled with working medium and ready for operation, does not require an additional source of pressure creation. Maximum pressure of 70 MPa.



The Liquid/Gas Separator RPG is designed for calibration and verification of pressure measuring devices that are sensitive to contamination by liquid (including food, oxygen and special versions). The separator is installed directly on the hydraulic device and requires connection to a power supply (compressed gas cylinder or compressor). Maximum pressure of 25 MPa.



Digital reference pressure gauges DM5002M - A

As compared with pointer reference pressure gauges the advantage of pressure gauges DM5002M-A is:

- multi-range feature: each digital pressure gauge DM5002M-A features several switchable measurement sub-ranges with assuring the same accuracy class in each sub-range. *Due to this feature one pressure gauge DM5002M-A can replace four pointer reference pressure gauges;*
- switching between different units of measurement: MPa, kgf/cm², one more — optional: psi, mm Hg, etc.;
- high accuracy class: 0.25; 0.15; 0.1 & 0.06.

The most commonly used instrumentation for GUSK includes three digital pressure gauges DM5002M-A of accuracy class 0.1 and upper measurement limit:

- 100 MPa (measurement sub-ranges 0...100 MPa, 0...60 MPa, 0...40 MPa and 0...25 MPa);
- 16 MPa (measurement sub-ranges 0...16 MPa, 0...10 MPa, 0...6 MPa and 0...4 MPa);
- 2.5 MPa (measurement sub-ranges 0...2.5 MPa, 0...1.6 MPa, 0...1 MPa and 0...0.6 MPa).



This set allows calibrating most types of popular pressure gauges: with measurement range from 0.6 MPa (6 kgf/cm²) to 100 MPa (1000 kgf/cm²) and accuracy class 0.4 and lower.

Filters and bowls

The filter for measuring instruments on test is used to prevent contamination of the installation and reference measuring instruments.

Stainless steel bowl is used in case of using alcohol as working medium, as well as in case of severe contamination of measuring devices on test with substances aggressive to acrylic glass.



Test pressure devices are not subject to mandatory certification.

Standard package:

- basement with pressure generator;
- set of fittings for connection of measuring devices on test with threads M20*1.5 (3 pcs.); M12*1.5 (2 pcs.); G1/2 (2 pcs.); G1/4 (2 pcs.).
- set of rubber-metal sealing rings;
- spare tools and accessories kit;
- passport.

Options:

- reference pressure gauges;
- stainless steel bowl;
- filters for measuring instruments on test;
- fittings for connection of measuring devices on test with device-specific threads.

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