

# Pneumatic & Hydraulic Hand Pumps

## Model's WICP-L100, WICP-M500, WICP-H10K

WIKA Datasheet WICP-x

### Features

- Generate both pressure and vacuum
- Generate -27 "Hg to 100 or 600 psi, model-dependent
- Generate hydraulic pressure from 0 to 10,000 psi
- Completely isolated vernier prevents heat transfer from hand
- Precision valve for bleed control
- Pneumatic pumps include user-friendly, field serviceable, and replaceable check valves
- Ergonomic design makes it easy to pump, even at high pressure

### Description

WIKA pneumatic and hydraulic test pumps are high performance hand operated pumps that allow the user to generate both pressure and vacuum for precise testing of pressure instrumentation including transmitters, pressure switches, and pressure gauges.

The pneumatic pumps allow pressures in excess of 100 or 500 psi (model-dependent) to be generated with just a few strokes of the pump. By changing the switching valve to vacuum, a range of -27" Hg is available.

The WICP-H10K Hydraulic Pressure Test Pump works with a variety of hydraulic fluids or even water to easily generate test pressures up to 10,000 psi (700 Bar). It uses a unique fully adjustable stroke control to allow for fast priming or filling of test systems, and then switching as needed to a smaller stroke for easier pumping at high pressure.

The output pressure of all pumps can be fine tuned using the vernier control. A precision needle valve allows controlled venting for exacting pressure calibration requirements.



Model WICP-L100



Model WICP-M500



Model WICP-H10K

All pumps features NPT connections for ease of use. See specifications for details.

In addition to the bare pump, all pump models are offered in kit form with a hard sided carrying case and a flexible connection hose with appropriate fittings.

## Specifications (0 °C to +50 °C, unless otherwise noted)

Parameter	Model		
	WICP-L100	WICP-M500	WICP-H10K
Operating Pressure Range	-12 to 100 psi	-12 to 600 psi	0 to 10,000 psi
Maximum Working Pressure	150 psi	750 psi	10,000 psi
Connection	1, 1/8" FNPT port	1, 1/4" FNPT (top) 1, 1/8" FNPT (side)	2, 1/4" FNPT (top and side) 1, 1/8" FNPT Port (for use w/Press. Relief Valve Only)
Compatibility	air	air	most hydraulic fluids and oils and water



WICP-L100 Pneumatic Pump Kit



WICP-H10K Pneumatic Pump Kit (shown with CPG 1000)

### CPG 1000 with Optional Pneumatic & Hydraulic Hand Pumps



CPG 1000 with Optional Pneumatic Hand Pump  
(Model WICP\_H10K)

#### Standard Features

- Quick, easy portable pressure generation and vacuum
- Generates ranges -27" Hg to 100 psi or 600 psi (depending on model)
- Hydraulic pressure 0 to 10,000 psi
- Isolated vernier prevents heat transfer from hand
- Precision valve for bleed control
- Pneumatic pumps include field replacement check valves
- Easy to pump, even at high pressures



CPG 1000 with Optional Hydraulic Hand Pump  
(Model WICP\_M500)

#### Ordering information

Pressure gauge model / Nominal size / Scale range / Size of connection / Optional extras required  
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.  
Modifications may take place and materials specified may be replaced by others without prior notice.



**WIKAI Instrument Corporation**  
1000 Wiegand Boulevard  
Lawrenceville, GA 30043  
Tel (770) 513-8200 Toll-free 1-888-WIKA-USA  
Fax (770) 338-5118  
E-Mail [info@wika.com](mailto:info@wika.com)  
[www.wika.com](http://www.wika.com)