

Калибровочные ручные насосы РНР, ННР, РСР, SPV Технические характеристики

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Combined Vacuum & Low Pressure Hand Pump

Pneumatic

PHP 2

Handheld/Table-top

Ideal tool for checking & Calibration of Low / Very Low Pressure Digital Indicators, Manometers, Inclined Manometers, Analog (Capsule) Gauges, Draft Gauges, Differential Pressure Transmitters, Pneumatic Loops etc.

Generates Low / Very Low Pressure / Vacuum with High Resolution / Sensitivity achieved thro' Fine Adjustment Vernier & built-in Volume Chamber.

SALIENT FEATURES

Compact, Light Weight, Hand Operated
Combined Vacuum & Low Pressure Pump with Pressure / Vacuum Changeover option
Generation (Range) of Pressure Upto 2 Bar; Vacuum Upto 0.9 bar
High Sensitivity / Resolution
Fine Adjustment Vernier with built-in Volume Chamber to realize High Resolution / Sensitivity of around 0.05 mBar (0.5 mmWC)
Very Low Leakage rate
Flexible Nylon Hose (1 Meter) with Swivel Adaptor to connect devices under test

SPECIFICATIONS

Range	-0.9 bar Vacuum to 2 bar Pressure
Medium	Air
Sensitivity / Resolution	0.05 mbar / 0.5 mmWC
Gauge / Indicator Connection Port	3/8" (F) BSP
Test Connection Port	1/4" (F) BSP
Instrument Dimension	230 x 220 x 70 mm (H x W x D)
Instrument Weight (approx.)	1.1 Kg.

STANDARD INCLUSIONS

- Basic Pump
- Nylon Hose (1 Meter)
- Set of Seals
- Conformance Certificate
- Instruction Manual
-

OPTIONAL (ADD-ON) ITEMS

- Carrying Case (Soft/Hard)
- Analog / Digital Pressure Gauges
- Quick Connector
- Spare Seal Kit
- Set of Adaptors

1/8" BSP(F) X 1/4" BSP (M)	}	BSP
1/4" BSP(F) X 1/4" BSP (M)		
3/8" BSP(F) X 1/4" BSP (M)		
1/4" NPT(F) X 1/4" BSP (M)	}	NPT
1/4" NPT(F) X 1/4" BSP (M)		
1/2" NPT(F) X 1/4" BSP (M)		
3/8" NPT(F) X 1/4" BSP (M)		



Typical Photo; Final Product look may vary

Vacuum & Pressure Hand Pump

Pneumatic

PHP 10/20/25/35/40
Handheld/Table-top

Ideal tool for checking & Calibration of Pneumatic Digital Indicators, Manometers, Pressure Transducers / Transmitters, Pneumatic Loops etc.

Generates (Pneumatic) Pressure / Vacuum thro' convenient Scissor action / minimum effort, Fine Adjustment Vernier.

SALIENT FEATURES

- Compact, Light Weight, Hand Operated
- Combined Vacuum & Pressure Pump with Pressure/Vacuum Changeover option
- Fine Adjustment Vernier to realize upto 1 mbar Resolution/Sensitivity
- Very Low Leakage rate
- Flexible Nylon Hose (1 Meter) with Swivel Adaptor to connect devices under test

SPECIFICATIONS

Range	-0.9 bar Vacuum to 10 / 25 / 35 / 40 bar Pressure
Medium	Air
Sensitivity / Resolution	Upto 1 mbar
Gauge / Indicator Connection Port	3/8" (F) BSP
Test Connection Port	1/4" (F) BSP
Instrument Dimension	230 x 140 x 65 mm (L x B x H)
Instrument Weight (approx.)	750 gms.

STANDARD INCLUSIONS

- Basic Pump
- Nylon Hose (1 Meter)
- Set of Seals
- Conformance Certificate
- Instruction Manual

OPTIONAL (ADD-ON) ITEMS

- Carrying Case (Soft/Hard)
- Analog / Digital Pressure Gauges
- Quick Connector
- Spare Seals Kit
- Set of Adaptors
 - 1/4" BSP(F) X 1/4" BSP (M)
 - 1/2" BSP(F) X 1/4" BSP (M)
 - 3/8" BSP(F) X 1/4" BSP (M)
 - 1/4" NPT(F) X 1/4" BSP (M)
 - 1/4" NPT(F) X 1/4" BSP (M)
 - 1/2" NPT(F) X 1/4" BSP (M)
 - 3/8" NPT(F) X 1/4" BSP (M)



Typical Photo; Final Product look may vary

Combined Vacuum & Pressure Hand Pump

Pneumatic

PHP 60
Handheld/Table-top

Ideal tool for checking & Calibration of Pneumatic Digital Indicators, Manometers, Pressure Transducers / Transmitters, Pneumatic Loops etc.

Generates (Pneumatic) Pressure / Vacuum thro' convenient Scissor action / minimum effort, Fine Adjustment Vernier.

SALIENT FEATURES

Compact, Light Weight, Hand Operated
Combined Vacuum & Pressure Pump with Pressure/Vacuum Changeover option
Fine Adjustment Vernier to realize upto 1 mbar Resolution/Sensitivity
Very Low Leakage rate
Flexible Nylon Hose (1 Meter) with Swivel Adaptor to connect devices under test

SPECIFICATIONS

Range	-0.9 bar Vacuum to 60 bar Pressure
Medium	Air
Sensitivity / Resolution	Upto 1 mbar
Gauge / Indicator Connection Port	3/8" (F) BSP
Test Connection Port	1/4" (F) BSP
Instrument Dimension	240 x 160 x 65 mm (H x W x D)
Instrument Weight (approx.)	1 Kg

STANDARD INCLUSIONS

- Basic Pump
- Nylon Hose (1 Meter)
- Set of Seals
- Conformance Certificate
- Instruction Manual

OPTIONAL (ADD-ON) ITEMS

- Carrying Case (Soft)
- Analog / Digital Pressure Gauges
- Quick Connector
- Spare Seals Kit
- Set of Adaptors

1/4" BSP(F) X 1/4" BSP (M)	}	BSP
1/2" BSP(F) X 1/4" BSP (M)		
3/8" BSP(F) X 1/4" BSP (M)		
1/4" NPT(F) X 1/4" BSP (M)	}	NPT
1/4" NPT(F) X 1/4" BSP (M)		
1/2" NPT(F) X 1/4" BSP (M)		
3/8" NPT(F) X 1/4" BSP (M)		

Typical Photo; Final Product look may vary

OEM



Hand Pump

Hydraulic

HHP Series

Handheld

Ideal tool for checking & Calibration of Digital / Analog Pressure Gauges / Indicators, Pressure Transmitters / Transducers & Hydrostatic Pressure Testing etc.

Generates High Pressure thro' convenient Scissor action / minimum effort Fine Adjustment Vernier & Open / Close Release Valve facilitates small Incremental Pressure adjustments

SALIENT FEATURES

Compact & Hand Operated
Suitable for High Pressure Applications
Fine Adjustment Vernier with Open / Close Release Valve for small incremental Pressure readings
Aluminium Body

SPECIFICATIONS

Ranges	Upto 200 / 350 / 400 bar
Gauge / Indicator Connection Port	1/4" (F) BSP
Test Connection Port	1/4" (F) BSP
Medium	Oil / (Water : Optional)
Oil Reservoir Material	Transparent Acrylic
Reservoir Capacity	100 cc
Instrument Dimension	240 x 185 x 95 mm (H x W x D)
Instrument Weight (approx.)	1.26 Kg.

STANDARD INCLUSIONS

- Basic Pump
- Hydraulic Oil : 100 cc
- Set of Seals
- Conformance Certificate
- Hydraulic Hose with end fittings (Length : 1 Meter)
- Instruction Manual

OPTIONAL (ADD-ON) ITEMS

- Carrying Case (Soft/Hard)
- Analog / Digital Pressure Gauges
- Quick Connector
- Spare Seals Kit
- Water operated Hand Pump
- Set of Adaptors

1/8" BSP(F) X 1/4" BSP (M)	} BSP
1/2" BSP(F) X 1/4" BSP (M)	
3/8" BSP(F) X 1/4" BSP (M)	
1/4" NPT(F) X 1/4" BSP (M)	} NPT
1/4" NPT(F) X 1/4" BSP (M)	
1/2" NPT(F) X 1/4" BSP (M)	
3/8" NPT(F) X 1/4" BSP (M)	

OEM



Typical Photo; Final Product look may vary

Technical Datasheet

Hand Pump Hydraulic

HHP Series Handheld

Ideal tool for checking & Calibration of Digital / Analog Pressure Gauges / Indicators, Pressure Transmitters / Transducers & Hydrostatic Pressure Testing etc.

Generates High Pressure thro' convenient Scissor action / minimum effort Fine Adjustment Vernier & Open / Close Release Valve facilitates small Incremental Pressure adjustments

SALIENT FEATURES

Compact & Hand Operated

Suitable for High Pressure Applications

Fine Adjustment Vernier with Open / Close Release Valve for small incremental Pressure readings

Stainless Steel Body

SPECIFICATIONS

Ranges	Upto 700 / 1000 bar
Gauge / Indicator Connection Port	3/8" (F) BSP
Test Connection Port	1/4" (F) BSP
Medium	Oil / (Water : Optional)
Oil Reservoir Material	Transparent Acrylic
Reservoir Capacity	100 cc
Instrument Dimension	240 x 185 x 95 mm (H x W x D)
Instrument Weight (approx.)	1.8 Kg.

STANDARD INCLUSIONS

- Basic Pump
- Hydraulic Oil : 100 cc
- Set of Seals
- Conformance Certificate
- Instruction Manual

OPTIONAL (ADD-ON) ITEMS

- Carrying Case (Soft/Hard)
- Analog / Digital Pressure Gauges
- Quick Connector
- Spare Seals Kit
- Hydraulic Hose with end fittings (Length : 1 Meter)
- Water operated Hand Pump
- Set of Adaptors
 - 1/4" BSP(F) X 1/4" BSP (M)
 - 1/2" BSP(F) X 1/4" BSP (M)
 - 3/4" BSP(F) X 1/4" BSP (M)

} BSP

 - 1/8" NPT(F) X 1/4" BSP (M)
 - 1/4" NPT(F) X 1/4" BSP (M)
 - 1/2" NPT(F) X 1/4" BSP (M)
 - 3/4" NPT(F) X 1/4" BSP (M)

} NPT

OEM



Typical Photo; Final Product look may vary

Pneumatic Hand Pump

PCP 160
Handheld

Useful for checking Pressure Measuring Devices / Master Devices / Test Gauges.

SALIENT FEATURES

Budget solutions

Very Low Maintenance Cost

Compact & Easy to carry for Lab & Field use

Primary Pump with Fine Adjustment Vernier for Incremental Pressure Generation



SPECIFICATIONS

Range	-0.95 to 160 bar
Test Port	M20X1.5, 1/4NPT/BSP, 1/2NPT/BSP
Weight	7 kg approx.
Pump Dimension	470 mm x 260 mm x 170 mm

STANDARD INCLUSIONS

- Basic Instrument
- Set of Seals
- Conformance Certificate
- Instruction Manual

Pneumatic Low Pressure Pump

Pneumatic

PCP 40-HP

Handheld/Table-top

Ideal tool for checking & Calibration of Low / Very Low Pressure Digital Indicators, Manometers, Inclined Manometers, Analog (Capsule) Gauges, Draft Gauges, Differential Pressure Transmitters, Pneumatic Loops etc.

Generates Low / Very Low Pressure / Vacuum with High Resolution / Sensitivity achieved thro' Fine Adjustment Vernier & built-in Volume Chamber.

SALIENT FEATURES

Compact, Light Weight, Hand Operated

Combined Vacuum & Low Pressure Pump with Pressure / Vacuum Changeover option

Generation (Range) of Pressure Upto 40 bar; Vacuum Upto 0.95 bar

High Sensitivity / Resolution

Fine Adjustment Vernier with built-in Volume Chamber to realize High Resolution / Sensitivity

Very Low Leakage rate

SPECIFICATIONS

Pressure Range	-0.95 - 40 bar / -14 - 600 psi
Quick Connector	M20 x 1.5
Dimension	298 × 179 × 154 mm
Net weight	2.6 Kg
Media	Air

STANDARD INCLUSIONS

- Basic Pump
- Sealing Ring 10 pcs.
- Plug (M20x1.5) – 2 pcs.
- Conformance Certificate
- Instruction Manual

OPTIONAL (ADD-ON) ITEMS

- Carrying Case (Soft/Hard)
- Analog / Digital Pressure Gauges
- Connector : ¼ NPT, ¼ BSP, ½ NPT, ½ BSP, M20x1.5F optional



Typical Photo;
Final Product look may vary

SCREW PUMP VERNIER

Portable / Handheld

SPV-48*Ideal for Low pressure applications***SALIENT FEATURES**

- Compact, Light Weight, Hand Operated
- Fine Adjustment of
 - Pressure : 1000 mbar (1 bar)
 - Vacuum : 300 mbar (-0.3 bar)



*Typical Photo.
Final Product Look May Vary.*

SPECIFICATIONS

Maximum Range	1 bar
Medium	Air
Weight (approx.)	0.525 Kg.
Instrument Dimension (H x W x D)	206 x 48 x 26 mm
Material of construction	Brass - Electroless Ni plating
Test Connection Port	4 mm push fit hose to ¼" BSP (F)
Master Connection	4 mm Hose

STANDARD INCLUSIONS

- Swivel Adapter (4 mm legris to ¼" BSP (F))
- 4 mm PUT Hose (1 meter)

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