

**FUEL VALVE TEST PUMP UNIT****HDP1100-D2**

Injector test bench is mainly used for measuring the spray condition of modern high-power marine diesel engine. It is an indispensable testing tool for high-power diesel engines. It is suitable for Mann 35-90 host.

**Main technical data**

1. Output pressure: Max. 80MPa at 0.7MPa air input.
2. Air consumption: 12 Liters/cycle at 0.7MPa air input.
3. Max. flow of fuel oil: 40ML/cycle at an air input of 0.4Mpa
4. Pumping speed: 30cycle/Min at 0.4MPa air input (no output pressure).
5. Tank capacity: 8L
6. Dimension: 700x450x1120mm
7. Weight: 77kg

Pneumatic hydraulic pump

(Brief introduction)

Pneumatic hydraulic pumps have three series depending on the pressure

1、AHP1500 pneumatic hydraulic pump

The technical parameters are as follows:

OUTPUT PRESSURE(Bar):	MAX,1500 BAR AT8.0 BAR AIR INPUT.
	MAX,1050 BAR AT5.5 BAR AIR INPUT.
TANK CAPACITY (L) :	APPROX.3.5 LITRES.
PUMPING SPEED:	APPROX.550 CYCLES/MIN.AT8.0 BAR AIR INPUT.
AIR CONSUMPTION:	500 LITRED/MIN.AT 8.0 BAR AIR INPUT.
MAX,FLOW AT NO PRESSURE:	APPROX. 0.35 LITRES/MIN.AT 8.0 BAR AIR INPUT.
	APPROX. 0.20 LITRES/MIN.AT 5.5 BAR AIR INPUT.
DISPLACEMENT PER CYCIE:	0.45CM <sup>3</sup> .
WEIGHT (Kg)	16 KILOS EMPTY
DIMENSIOND (mm)	340*320*380MM
AIR ACCESS PORT	1/2B.S.P.STANDARD INTERNAL THREAD
HIGH-VOLTAGE OUTPUT	1/4B.S.P.STANDARD INTERNAL THREAD



(AHP1500)

## 2、AHP2500 pneumatic hydraulic pump

The technical parameters are as follows:

OUTPUT PRESSURE(Bar):	MAX,2250 BAR AT8.0 BAR AIR INPUT.
TANK CAPACITY (L) :	APPROX.6 LITRES.
PUMPING SPEED:	APPROX.450 CYCLES/MIN.AT8.0 BAR AIR INPUT.
AIR CONSUMPTION:	500 LITRED/MIN.AT 8.0 BAR AIR INPUT.
MAX,FLOW AT NO PRESSURE:	APPROX. 0.35 LITRES/MIN.AT 8.0 BAR AIR INPUT.
	APPROX. 0.20 LITRES/MIN.AT 5.5 BAR AIR INPUT.
DISPLACEMENT PER CYCIE:	0.8MM <sup>3</sup> -0.027 CU.IN.
WEIGHT (Kg)	24 KILOS EMPTY
DIMENSIOND (mm)	380*360*380MM
AIR ACCESS PORT	1/2B.S.P.STANDARD INTERNAL THREAD
HIGH-VOLTAGE OUTPUT	1/4B.S.P.STANDARD INTERNAL THREAD



(AHP2500)

### 3、AHP3500 pneumatic hydraulic pump

The technical parameters are as follows:

<b>Weight:</b>	Approx. 32 Kg
<b>Dimensions:</b>	490×430×480 mm
<b>Oil output pressure:</b>	Max. 350 Mpa @ 0.6 Mpa air input
<b>Pump working speed:</b>	Approx. 400 cycles/min @ 0.7 Mpa air input
<b>Air consumption:</b>	Approx. 1050 l/min @ 0.6 Mpa air input
<b>Tank capacity:</b>	Approx. 8 L
<b>Min. flow:</b>	Approx. 0.7 l/min @ 0.7 Mpa air input and no output pressure
<b>Air inlet:</b>	G1/2 standard internal thread
<b>Pressure oil outlet:</b>	G1/4 standard internal thread



(AHP3500)



Changzhou Ailesen Power Technology Co., Ltd.

AHP3000 High-flow high-pressure pneumatic pump

Suitable for driving multiple hydraulic tools at the same time



(AHP3000)

<b>Output Pressure(MPa)</b>	<b>Max 300Mpa(Input air pressure 0.7Mpa)</b>
<b>Oil Tank (L)</b>	<b>About 12</b>
<b>Pump working speed</b>	<b>About 208cycle/min^Input air pressure 0.57Mpa</b>
<b>Air consumption L</b>	<b>180L/min</b>
<b>Max Flow</b>	<b>About 0.9L/min</b>
<b>Oil supply per cycle (ml)</b>	<b>4.5 ml</b>
<b>Weight(kg)</b>	<b>40(net wieght)</b>
<b>Dimensions</b>	<b>1/2BSPstandard inner screw</b>
<b>Hydraulic oil output connector</b>	<b>1/4BSPstandard inner screw</b>



Manual hydraulic pump

Manual hydraulic pump is divided into four categories according to pressure

Technical Parameters:

Mode	Work pressure (MPa)		Oil amount per stroke (ml)		Output interface	Pressure gauge interface	Volume of oil tank (ml)	Overall dimensions (mm)	Weight (kg)
	1st grade	2nd grade	1st grade	2nd grade					
HS-100	3	100	32	1.6	1/4BSP	1/2BSP/3/8NPT	2200	585×120×170	9
HS-150	2	150	32	1.6	1/4BSP	1/2BSP	2200	585×120×170	9
HS-200	2	200	32	1.3	1/4BSP	1/2BSP	2200	585×120×170	9
HS-280	2	280	32	0.9	1/4BSP	1/2BSP	2200	585×120×170	11



Parameter:※Two-way pumps are optional

Mode	Remarks	Pressure gauge range (MPa)
HS-100	※	<b>0-100MPa</b>
HS-150	※	<b>0-160MPa</b>
HS-200	※	<b>0-250MPa</b>
HS-280		<b>0-300MPa</b>

### Electric Hydraulic Pump

#### HD Series:

Model	Pressure	Voltage	Motorpower	Volume	Displacement	Output port
HD-70A	70MPa	220V/380V	1.1KW	20L	1.2L/min	NPT3/8
HD-70B	70MPa	220V/380V	1.5-5.5KW	20-150L	0.3-10L/min	NPT3/8
HD-200	200mpa	220V/380V	1.5-5.5KW	20-150L	0.3-10L/min	G1/4



(HD-70A)(HD-200)



(HD-70B)



## Torque wrench pump:

Model	Pressure	Voltage	Motorpower	Volume	Displacement	Output port
PE70	70MPa	220V	1.5KW	8L	0.8/min	NPT3/8



(PE70)

※The electric hydraulic pump can be digitally combined into a hydraulic system through various hydraulic components.

Control method: optional remote control

## Hydraulic wrench



(Hollow)Torque:345-53000N/M



(Drive type)Torque:185-72000N/M

**Smart sleeve:**

- Intelligent sleeve is a combination of torque sensor technology and custom sleeve to measure the actual torque applied to bolts during a torque cycle. Through innovative design, the size of the intelligent sleeve is close to that of the standard sleeve. It can be used for universal effectiveness of various torque tools
- Measurement and display of torque peaks
- Complete data acquisition-pdf\xls\csv file format can be exported
- Real-time viewing via Bluetooth
- Sensor accuracy 1%
- Real-time reading of dynamic torque in application
- Torque measurement of bolts by strain gauge technology
- Charging plug, usb data line, and storage resistant box

Electric wrench:



(AT-A)

Model	Minimum torque (Nm)	Maximum torque (Nm)	Inner side (mm)	Outer diameter (mm)	length (mm)	high (mm)	wide (mm)	weight (kg)
AT-08A	100	800	3/4"	88	339	252	208	7.9
AT-12A	200	1200	1"	88	339	259	208	8.0
AT-26A	400	2600	1"	88	339	306	208	9.8
AT-38A	500	3800	1-1/2"	88	339	316	208	10.4
AT-60A	1000	6000	1-1/2"	129	339	345	208	17.2
AT-80A	1200	8000	1-1/2"	129	339	378	208	19.2
AT-100A	1800	10000	1-1/2"	129	339	378	208	19.4
AT-120A	2000	12000	1-1/2"	129	339	378	208	19.6



(AT-S)

型号	Minimum torque (Nm)	Maximum torque (Nm)	Inner side (mm)	Outerdiameter (mm)	length (mm)	high (mm)	weight (kg)
AT-08S	100	800	3/4"	88	432	208	6.7
AT-12S	200	1200	1"	88	439	208	6.8
AT-26S	400	2600	1"	88	486	208	8.6
AT-38S	500	3800	1-1/2"	88	496	208	9.2
AT-60S	1000	6000	1-1/2"	129	525	208	16.0
AT-80S	1200	8000	1-1/2"	129	558	208	18.0
AT-100S	1800	10000	1-1/2"	129	558	208	18.2
AT-120S	2000	12000	1-1/2"	129	558	208	18.4

### Ultra high pressure hydraulic tools

#### Bolt tensioner(Need to be customized)

Uses: fastening and dismounting large bolts

Design working pressure: 200MPa



Bolt tensioners are custom made and are tailored to different operating conditions and technical requirements.

**Hydraulic nut(Need to be customized)**

Design working pressure: 0-250MPa.

Uses: Hydraulic nuts according to different specifications can be used to disassemble and install bearings or replace large nuts on large equipment used to generate vibration to prevent loosening.



( For bearing disassembly and installation )



( For metal shears )



(Used for large equipment with vibration and replaces ordinary nuts)



Hydraulic cylinder or hydraulic jack(Need to be customized)

Design working pressure: 0-200MPa





## Other hydraulic accessories

## 1、 High pressure oil pipe: 0-260MPa



## 2、 High pressure joint: 0-250MPa



※For more product information, please call us