



说明书材质要求： 105g 有光铜版纸	说明书成品尺寸： 105*143mm
■ Black（单色印刷）	
折叠方式： 风琴折（20P以下用风琴折）	备注：
特别注意：此页内容不印刷	

风琴折 + 对折 页面顺序 16P 页面顺序 <table><tr><td>9</td><td>10</td><td>11</td><td>封面</td></tr><tr><td>12</td><td>13</td><td>14</td><td>封底</td></tr></table> <table><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td></tr></table>	9	10	11	封面	12	13	14	封底	1	2	3	4	5	6	7	8	20P 页面顺序 <table><tr><td>11</td><td>12</td><td>13</td><td>14</td><td>封面</td></tr><tr><td>15</td><td>16</td><td>17</td><td>18</td><td>封底</td></tr></table> <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr></table>	11	12	13	14	封面	15	16	17	18	封底	1	2	3	4	5	6	7	8	9	10
9	10	11	封面																																		
12	13	14	封底																																		
1	2	3	4																																		
5	6	7	8																																		
11	12	13	14	封面																																	
15	16	17	18	封底																																	
1	2	3	4	5																																	
6	7	8	9	10																																	

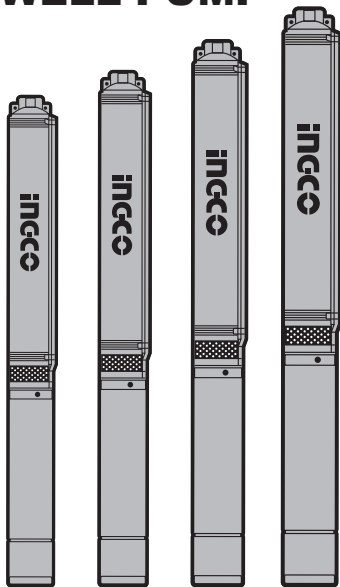
更改记录	1. 新风格改版 品牌互转TOTAL				
	1123.V11	2023.11.30	LZH		
	版本号	日期	设计师		

ingco

www.ingco.com

PRODUCT MANUAL

4" DEEP WELL PUMP



DWP3701, UDWP3701, DWP5501, UDWP5501, DWP7501, UDWP7501,
DWP11001, UDWP11001, DWP15001, UDWP15001, DWP22001, UDWP22001,
DWP3701x, DWP5501x, DWP7501x, DWP11001x, DWP15001x, DWP22001x
x(blank, -5)



SCAN FOR VIDEO

GENERAL SAFETY WARNINGS**⚠ NOTE**

Before assembling and putting the pump into operation, in all cases read through the operating manual. For safety reasons, those persons who have not read through the operating manual may not use the pump. The pump is intended for use ONLY by adults who have fully read and understand these instructions. Whenever water and electric are in the same place there are risks of electrocution and serious injury or death. The pump is ONLY intended for use with water or water based (aqueous solutions) which have a content of at least 90% water. Do not use this pump for flammable, toxic, corrosive or irritant fluids.

- a) The user is responsible towards third parties with regard to the use of the pump (water installations, etc.)
- b) Before putting into operation, a qualified electrician must check that the required electrical safety measures are place.
- c) The electrical connection is to be made via an electrical socket.
- d) Check the voltage. The specified technical information on the label must correspond to the voltage of the electrical equipment.
- e) During the operation of the pump, persons may not remain in the pumped medium.
- f) The temperature of the fluid to be pumped may not exceed 35°C. In the event that extension cables are used, they must be exclusively made out of rubber, type H07 RN-F, and in compliance with norm DIN 57282 or DIN 57245. Never handle, lift or carry the pump connected to electrical power by the cord. Make sure that the connection power outlet is kept away from water and moisture and that the power plug is protected from moisture.
- g) Before putting the pump into operation, check that the electrical cord and electrical residual current circuit breaker are not damaged.
- h) In the event that the pump is to be installed in a storm drain, one must subsequently close the storm drain with a cover in order to safeguard the safety of pedestrians.
- i) Reinforce the mounting of the discharge pipe with the use of a pipe clip. The user of the pump has the duty to take precautionary measures (installation of an alarm device, back-up pump, etc.) for the avoidance and prevention of

potential damages (such as flooded rooms, etc.) due to faulty pump operation (because of breakdowns or defects). On sandy or silty ground, it is necessary to let the pump run hanging by a rope or chain or to situate the pump on a suitable base in order to prevent the sinking of the intake section.

- j) In the event that the pump is damaged, the repair should only be made by an authorized service agent. Only original replacement parts must be used.
- k) The failure to correctly use, clean and maintain the pump or to modify the pump or its accessories in anyway other than that described in these instructions will prevent use for accepting any responsibility for damages, loss or injury. The following illustrate some of the cases where claims be refused.
 - Inappropriate repairs not made by an authorized agent
 - Use of other than original replacement parts.
- l) The connecting cable of this device may not be replaced. In the event of damage to the cable, the device should be scrapped.
- m) Note this product has internal lubricant which may escape contaminating the water, consequently the pump is not suitable for ponds with fish or other aquatic organisms. In addition, the pump can only be used to with water that is NOT for drinking at a later date. The same rules apply for the accessories.

THE SYMBOLS IN INSTRUCTION MANUAL

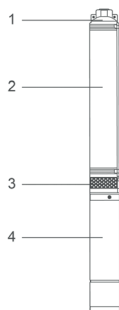
	Read the instruction manual before using.
	Safety alert. Please only use the accessories supported by the manufacturer.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

INTENDED USE

These water pumps find use systems for lifting water from wells, first collection tanks or cisterns, streams, to basement pump out (cellar, garages), to swimming pools pump out and small agricultural installations, sprinkling systems for gardens and allotments. When installed in wells or tanks, the pump, which is particularly silent running, avoids all problems related to suction and loss of priming.

The pump may be supplied with a float switch cutting out operation automatically in the event of an insufficient water level.

SPECIFICATIONS



- | | |
|------------------|---------------|
| 1. Outlet | 3. Inlet |
| 2. Impeller Pipe | 4. Motor Pipe |

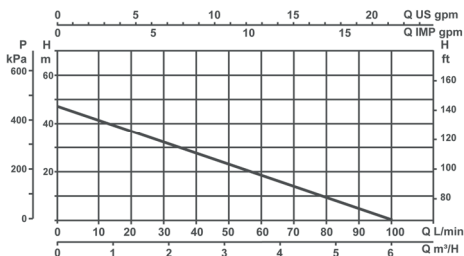
Technical specifications

Model No.	DWP3701	DWP5501	DWP7501	DWP11001	DWP15001	DWP22001
Rated voltage (V)	220-240~	220-240~	220-240~	220-240~	220-240~	220-240~
Rated frequency (Hz)	50	50	50	50	50	50
Phase	Single	Single	Single	Single	Single	Single
Rated output (kW/HP)	0.37/0.5	0.55/0.75	0.75/1.0	1.1/1.5	1.5/2.0	2.2/3.0
No-load speed (r/min)	2850	2850	2850	2850	2850	2850
Max. head (m)	48	64	82	112	135	180
Max. flow (L/min)	100	100	100	100	100	100
Inlet/Outlet (inch)	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"

Model No.	UDWP3701	UDWP5501	UDWP7501	UDWP11001	UDWP15001	UDWP22001
Rated voltage (V)	110-120V~	110-120V~	110-120V~	110-120V~	110-120V~	110-120V~
Rated frequency (Hz)	60	60	60	60	60	60
Phase	Single	Single	Single	Single	Single	Single
Rated output (kW/HP)	0.37/0.5	0.55/0.75	0.75/1.0	1.1/1.5	1.5/2.0	2.2/3.0
No-load speed (r/min)	3450	3450	3450	3450	3450	3450
Max. head (m)	48	64	82	112	135	180
Max. flow (L/min)	100	100	100	100	100	100
Inlet/Outlet (inch)	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"

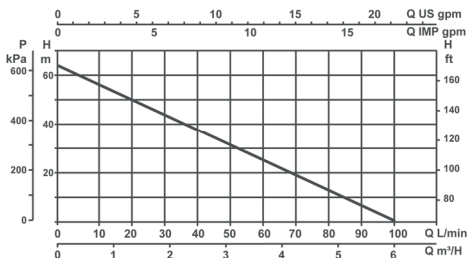
Model No.	DWP3701-5	DWP5501-5	DWP7501-5	DWP11001-5	DWP15001-5	DWP22001-5
Rated voltage (V)	220-240~	220-240~	220-240~	220-240~	220-240~	220-240~
Rated frequency (Hz)	60	60	60	60	60	60
Phase	Single	Single	Single	Single	Single	Single
Rated output (kW/HP)	0.37/0.5	0.55/0.75	0.75/1.0	1.1/1.5	1.5/2.0	2.2/3.0
No-load speed (r/min)	3450	3450	3450	3450	3450	3450
Max. head (m)	48	64	82	112	135	180
Max. flow (L/min)	100	100	100	100	100	100
Inlet/Outlet (inch)	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"

Performance curves(DWP3701, DWP3701-5, UDWP3701)



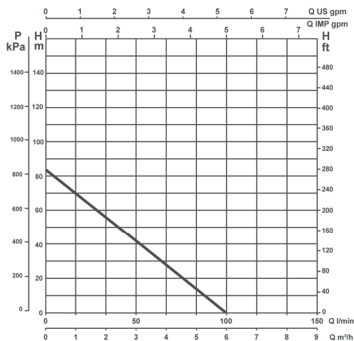
The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

Performance curves (DWP5501, DWP5501-5, UDWP5501)



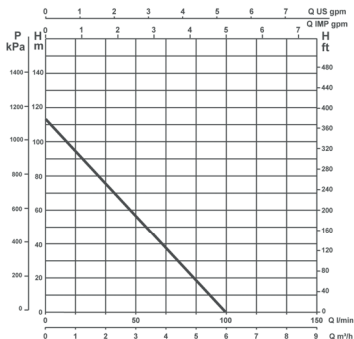
The performance curves are based on the kinematic viscosity values = $1 \text{ mm}^2/\text{s}$ and density equal to 1000 kg/m^3 . Curve tolerance according to ISO 9906.

Performance curves (DWP7501, DWP7501-5, UDWP7501)



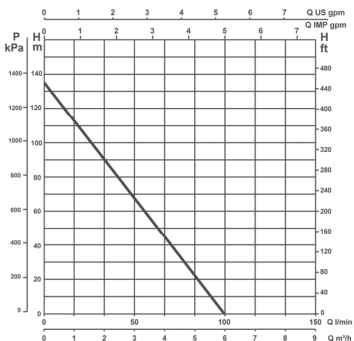
The performance curves are based on the kinematic viscosity values = $1 \text{ mm}^2/\text{s}$ and density equal to 1000 kg/m^3 . Curve tolerance according to ISO 9906.

Performance curves (DWP11001, DWP11001-5, UDWP11001)



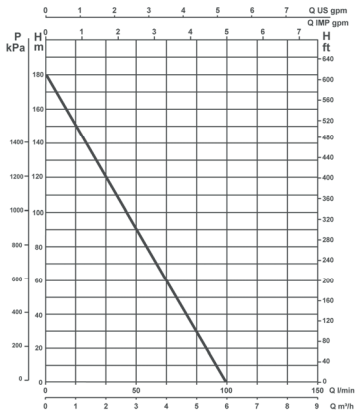
The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

Performance curves (DWP15001, DWP15001-5, UDWP15001)



The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

Performance curves (DWP22001, DWP22001-5, UDWP22001)



The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

OPERATION

Installation

1. Install the pump body with the motor together. Be sure that the motor rotates freely and out of problem.
2. Connect the pipe into the deep well.
3. Tight the pump head with the nylon cord or steel wire rope in the fixing hole for lifting up or lowering down the pump into the deep well. The length of the nylon cord or steel wire is determined by the depth of the well.
4. Connect the deliver pipe with a same diameter as the pump hole to the pump and fixed the connection with a set of the clamping plate, then put the pipe down into the well and using the same method mentioned above to install the second pipe and clamping plate until the pipes extend to the deep well is needed.
5. Connect the elbow, valves, valves water pressure and flow meters.

Switch control box

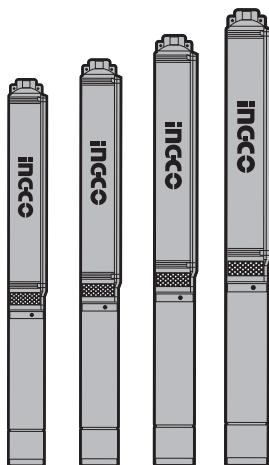
1. Different size of the motor and power is required with different size of the switch control box in order to protect the motor and guaranty the stable operation.
2. The switch control box is to control the operation of the pump by transferring the water levels to the upper reservoir and inside the deep well.
3. The control box consists of the air-control circuit breaker, alternating-current contactor, thermostat, water level controller and etc.
4. The switch control box is also to protect short circuit, overload, low voltage, no voltage, etc.
5. The control box is built with a pilot lamp and various meters to show the current and voltage parameters for easy operation.

MAINTENANCE&MALFUNCTIONS

Possible malfunctions and methods of their eliminations

Fault	Checks (possible cause)	Remedy
The motor does not start and makes no noise.	A. Check the electric connections. B. Check that the motor is live. C. Check the protection fuses.	A. If they are burnt-out, change them. B. If the fault is repeated immediately this means that the motor is short circuiting.
The motor does not start but makes noise.	A. Ensure that the mains voltage is the same as the value on the plate. B. Ensure that the connections have been made correctly. C. Check that all the phases are present on the terminal board. D. Look for possible block- ages in the pump or motor. E. Check the condition of the capacitor.	A. Correct any errors. B. If not, restore the missing phase. C. Remove the blockage. D. Replace the capacitor.
The motor turns with difficulty.	A. Check the voltage which may be insufficient. B. Check whether any moving parts are scraping against fixed parts.	A. Eliminate the cause of the scraping.
The pump does not deliver.	A. The pump has not been primed correctly. B. On three-phase motors, check that the direction of rotation is correct. C. The diameter of the intake pipe is insufficient. D. Blocked foot valve.	A. If necessary, invert the connection of two supply wires B. Replace the pipe with one with a larger diameter. C. Clean the foot valve.
The pump does not prime.	A. The intake pipe or the foot valve is taking in air. B. The downward slope of the intake pipe favors the formation of air pockets.	A. Eliminate the phenomenon and prime again. B. Correct the inclination of the intake pipe.

The pump supplies insufficient flow.	A. Blocked foot valve. B. The impeller is worn or blocked. C. The diameter of the intake pipe is insufficient. D. On three-phase motors, check that the direction of rotation is correct.	A. Clean the foot valve. B. Remove the obstructions or replace the worn parts. C. Replace the pipe with one with a larger diameter. D. If necessary, invert the connection of two supply wires.
The pump vibrates and operates noisily.	A. Check that the pump and the pipes are firmly anchored. B. There is cavitation in the pump, that is the demand for water is higher than it is able to pump. C. The pump is running above its plate characteristics.	A. Fix the loose parts more carefully. B. Reduce the intake height or check for load losses. C. It may be useful to limit the flow at delivery.



MADE IN CHINA 1123.V11

   INGO Global

www.ingco.com

NEWWAY TECHNOLOGY (SUZHOU) CO., LIMITED
No. 20 Dagang Road, Fuqiao Town, Taicang City, China