

# Air Powered Diaphragm Pump

## Model No.: A25

**AEROPRO**  
ENGINEERED FOR PROFESSIONALS



### IMPORTANT:

Read all safety rules and operating Instructions carefully before first use it.  
Keep this Manual for future reference.



### Residual risks

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- Damage to lungs if an effective dust mask is not worn.



- Damage to hearing if effective hearing protection is not worn.



- Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.

- Wear eye protection.

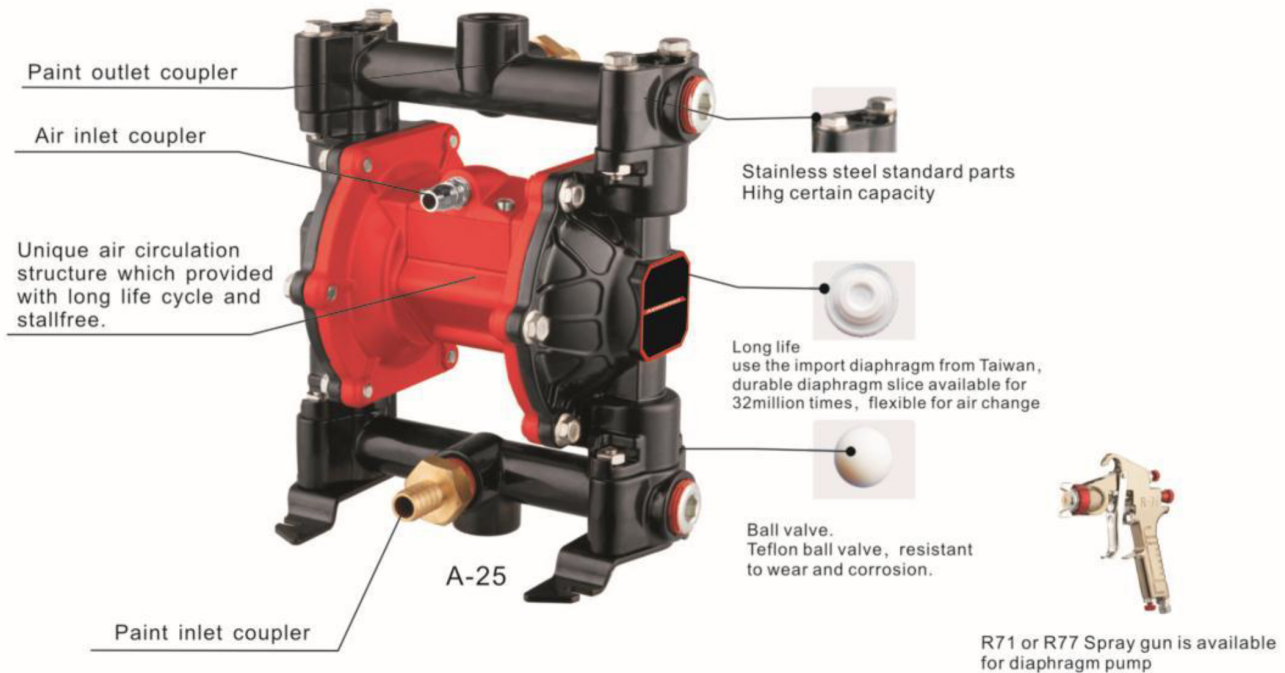


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## ◆Description:

Diaphragm life up to 18 million times. Patented commutator construction, long time. 100% Transmission efficiency. Available for 4-6 spray guns simultaneously. Especially suitable for conveyance fluid, paint spraying.



## ◆Technical Data:

Item No.	A-25
Max Working Pressure:	7bar
Operating pressure:	2-7bar
Air consumption:	40m <sup>3</sup> /h
Max flow rate:	60L/min
Max suck height:	4.5m
Inlet Size:	3/4"
Max solid Dia:	2.5mm

## ◆Safety Guidelines:

1. Make sure the Dia of the Max Particle of fluid do not exceed the up limit of the safety standard
2. The inlet air pressure must be lower than the Max pressure
3. Make sure the transferred fluid will not corrode transfer unit
4. Guarantee the safety of air outlet position, when dangerous, inflammable, toxic gas is used.

## ◆ Operation:

1. Before the first time use of the pump, all fasteners on the surface shall be examined. First adjust the screw on the both side (left and right) of the fluid cover, then check the screw of the up and down side of the air hose.
2. When operating, the pump and other object shall be grounded.
3. Make sure the fitting surface can bear the weight of the pump, hose, other attachment and the stress which occur during operation. The pump shall be installed directly onto the fitting surface.
4. When the attachment of air hose is installed, all the attachment shall be fixed onto the bracket and air hose shall be grounded.
5. The air hose shall at least have the Dia of 3/8". When out of operation, do not install the quick coupler onto the pump.
6. Fasten the paint inlet hose with the thread on the paint inlet ( 3/4" NPT).
7. ( if tube is used) shall be put into the fluid
8. The paint inlet soft hose shall be put into the proper container.
9. Shut down the fluid discharge valve.
10. Shut down the air inlet, open suction type main valve.
11. If the paint soft hose equipped with fluid confection equipment, shall keep it on.
12. Open the regulator slowly, until the pump start to work normally. When all the air is sucked out, the pump start to work completely. Then shut down the regulator, put the suction hose into the fluid.
13. When finish the work, clean the pump, preventing the paint blocking and damaging the pump. When cleaning the pump, the pump shall keep operating, so the pump can be cleaned completely.
14. Before work, shall check the hose. If necessary, replace the hose. Check the fastener to prevent the leakage.

## ◆ Parts List

No.	Description	Qty.	No.	Description	Qty.	No.	Description	Qty.
1	Washer	8	15	Left Pump cover seat	1	29	Air inlet connector seat	1
2	Ball valve cover	4	16	Washer	2	30	Bolt M5*16	4
3	Ball valve	4	17	V Washer	4	31	T pipe	2
4	Ball valve seat	4	18	Connecting shaft	1	32	Flat Washer	8
5	Pump cap	2	19	Reversing valve seat	1	33	Hex Bolt M8*55	8
6	Hex Nut M8	8	20	O-ring 3*1	2	34	Paint inlet coupler	2
7	Hex flange bolt M8*20	12	21	O-ring 47.5*1.8	2	35	Oil Plug	2
8	Hex flange bolt M6*25	2	22	reversing valve block	1	36	Noise reduction Component	1
9	Washer	2	23	Pusher	2	37	Right Pump cover seat	1
10	Diaphragm outside mat	2	24	O-ring 4.4*2	2	38	fixed seat	2
11	Main Diaphragm	2	25	Reversing Piston	2	39	Ground lead assembly	1
12	Assistant Diaphragm	2	26	Reversing sliding block	2	40	Inlet switch assembly	1
13	Diaphragm inside mat	2	27	Bolt M4*25	4	41		
14	Hex Bolt M6*12	8	28	pressure tapping	1	42		

# ◆ Exploding view

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