

Air Powered Diaphragm Pump

Model No.: A15

AEROPRO
ENGINEERED FOR PROFESSIONALS



IMPORTANT:

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

NOTICE

CLEAN IMMEDIATELY

Clean the Spray Gun IMMEDIATELY after use. Delayed or inadequate cleaning will permanently clog the Spray Gun.



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.



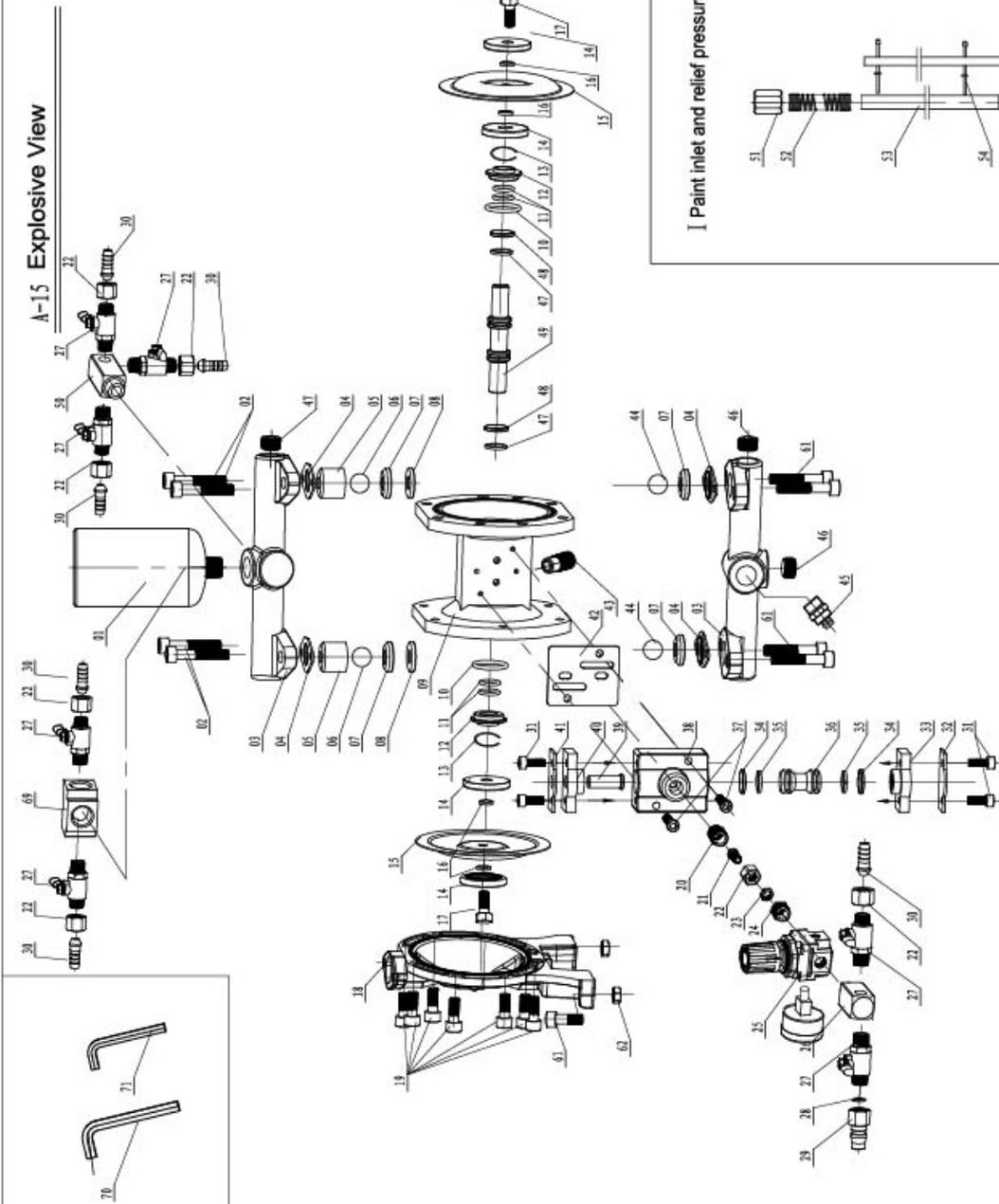
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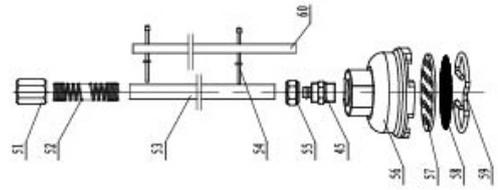
A-15 Parts list

No	Figure number	Description	Qty.	No	Figure number	Description	Qty.	
1	A-15.1	Paint tank	1	42	GMB-10-18	Air change seat washer	1	
2	GB/T70.1-2000 M8X25	Hex bolt	4	43	A-15-14	Silencer	1	
3	A-15-01	Fixed seat	2	44	GB308-89(Dw=15.875)	Steel ball	2	
4	A-15-02	Sealing washer	4	45	A-15-03	Paint inlet coupling	2	
5	A-15-15	Ball valve cover	2	46	GMB-10-20	Sealing end cap	3	
6	GB308-89(Dw=12.7)	Steel ball	2	47	A-15-12	Main shaft rubber sealing washer	2	
7	A-15-04	Head valve seat	4	48	A-15-13	Main shaft sealing washer	2	
8	A-15-05	Head valve seat washer	2	49	A-15-11	Main shaft	1	
9	A-15.4	A-15.4-02 Pump seat	1	50	A-15.3-01	Paint outlet seat	1	
10	GMB-10-04	O-ring 24.5*3.1	2	51	A-15.5 (Paint inlet and relief pressure tube)	A-15.5-01	Nut	1
11	GB3452.1	O-ring 13.7*2.4	4	52		A-15.5-02	Paint inlet tube spring	1
12	A-15-06	Bearing case	2	53		A-15.5-03	Paint inlet tube	1
13	GB893.1-88(d=30)	Circlip	2	54			Ribbon	2
14	A-15-07	Main diaphragm Pressure washer	4	55		A-15.5-04	Filter seat nut	1
15	A-15-08	Main diaphragm	2	56		A-15.5-05	Filter seat	1
16	A-15-10	Main diaphragm sealing washer	4	57		PTA-01	Filter washer	1
17	A-15-16	Hexagon bolt	2	58		PTA-09	Filter	1
18	A-15-09	Pump cover	2	59		PTA-02	Filter ring	1
19	GB/T70.1-2000 M6X20	Hex bolt	16	60		A-15.5-06	Relief pressure tube	1
20	PT.6-13	Pressure tapping	1	61	GB/T5782(M8X20)	Hex bolt	8	
21	PT-11	Paint inlet connect nozzle	1	62	GB/T41-2000(M8)	I type hex bolt	4	
22	W71-13	Connect nut	7	63	GMB-10.7 Support frame	GB/T.1-2000 M8X12	Hex bolt	12
23	W71.7.1-4	Thin nut	1	64		GMB-10.7-02A	Support plate	1
24	RP8318A-01	Airinlet connect	1	65		GMB-10.7-01A	Support foot	4
25	AR2000	Pressure regulator	1	66		GMB-10.7-03A	Support footlock	2
26	A-15.2-01	Airinlet seat	1	67	GB/T12618-1990 3X7	Rivet	4	
27	PTA.8.2	Valve	7	68	A-15-17	Lable	1	
28	XCQ.1-5	Switch washer	1	69	PTA.8-02	Air inlet seat	1	
29		Airinlet coupling	1	70	GB5356-85 5mm	Hex wrench	1	
30	W71-14	Airinlet connect	6	71	GB5356-85 4mm	Hex wrench	1	
31	GMB-10.3(Air change assembly)	GB/T70-85(M6X16)	Hex bolt	4	Note: If you need spare parts of this model, pls feel free to contact us or the distributor where you bought this tool. TKS!			
32		GMB-10.3-05	Cover platell	1				
33		GMB-10.3-07	Sealing coverll	1				
34		GMB-10-02	Main shaft sealing washer	2				
35		GMB-10-03	Main shaft rubber sealing washer	2				
36		GMB-10.3-02	Piston	1				
37		GB/T70-85(M6X35)	Hex bolt	2				
38		GMB-10.3-01	Air change seat	1				
39		GMB-10.3-03	Piston rod	1				
40		GMB-10.3-06	Sealing cover l	1				
41		GMB-10.3-04	Cover plate l	1				

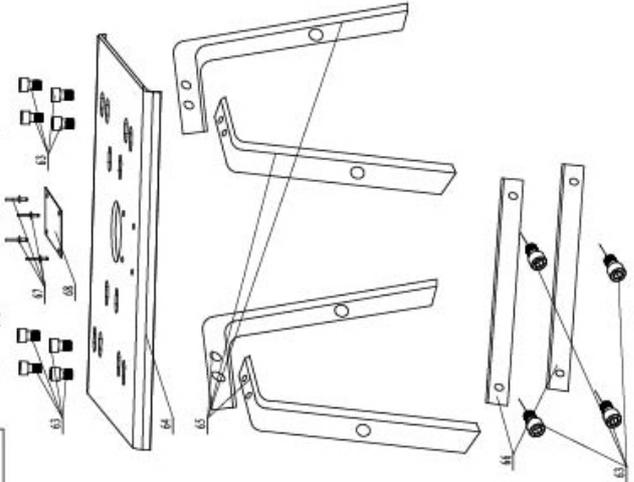
A-15 Explosive View



I Paint inlet and relief pressure tube



II Support frame (AMB-10, 7)



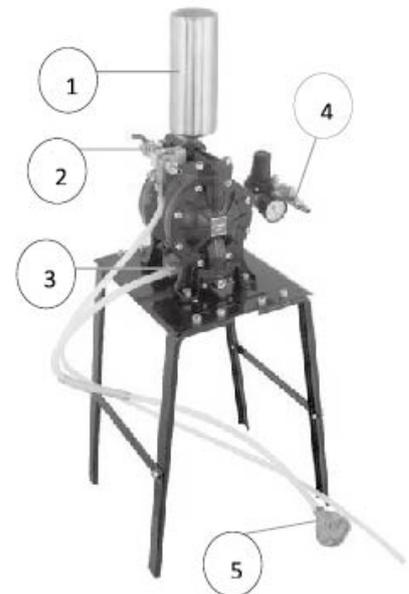
◆Description:

AEROPRO Air powered diaphragm pump A15 Ideal pump for regular paint, PU paint, UV special paint etc. widely used in paint spraying, chemical industry, ceramics, biotechnology, medical, food industry. Can with suction feed spray gun for high efficient painting work, being capable for printing ink cycling supply, lightweight, easy-operating.

◆Technical Data:

1. Paint tank: storage the pressurized paint.
2. Paint output valve Assembly: paint output coupling connect to Transmit tube (G1/4" -19) connect to pressure relief tube so as to pressure relief backflow.
3. Paint inlet coupling: connect to the paint inlet tube of Filtrate assembly.
4. Air inlet switch Assembly: connect to the air supply source, control the operating pressure (clockwise increase the pressure, counter clockwise reduce the pressure).
5. Filtrate Assembly: connect to the paint inlet coupling, inhale the Paint from the filtrate Assembly. the pressure relief backflow though filtrate assembly after operation.

Item No.	A15	Air consumption:	10m ³ /h
Max Working Pressure:	7bar	Max flow rate:	18L/min
Operating pressure:	2-7bar	Inlet Size:	3/8"



◆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 (3/8").
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.