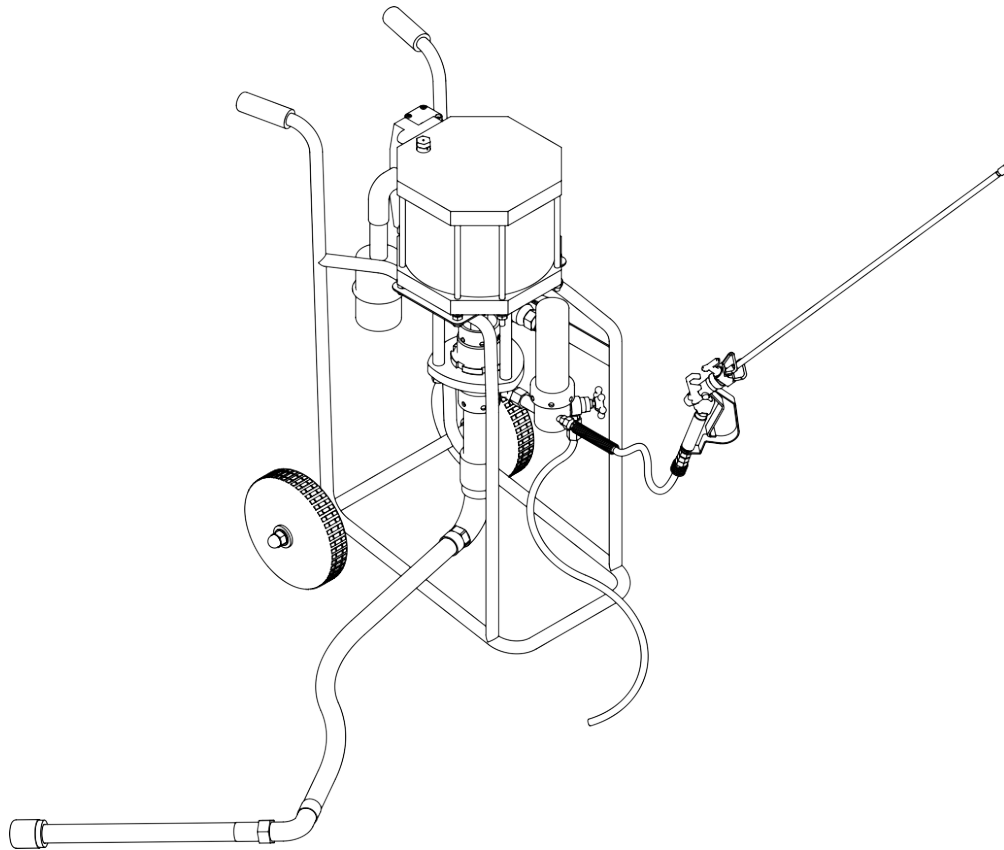


**Operation and Maintenance Guide**



**PW - 250**

**WARNING ! VERY IMPORTANT**

Please read and strictly follow section on “Post use after shift cleaning and storage instructions” on Page 10, to avoid jamming of system and premature failure of rods and related components. Components that have failed due to this negligence will not be considered for warranty replacements.

Models	Descriptions
PW-250	High Pressure Water Jet

Read this manual carefully before installing, operating, or servicing this equipment. It’s the responsibility of the employer to ensure this manual is read by the operator. Please preserve this manual.

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## Introduction

Teryair High Pressure Water Jets are used in various industries for cleaning of residue adhering to surfaces. Applications are cleaning in General Industry, Marine, Oil and Gas, Petrochemical and similar applications.

## Technical Data

Specification	PW-250
Maximum Fluid Working Pressure	3625 PSI (250 Bar)
Air Inlet Connection	1/2" BSP Female
Gun Connection	1/4" BSP
Maximum Tip Orifice	0.11" to 0.019"
Fluid Output Rate	15 liters/min (3.9 gpm)
Maximum Inlet Air Pressure	120 PSI (8.3 Bar)
Air Consumption Maximum	50 CFM
Wetted Parts Material Of Construction	Stainless Steel SS316, Nickel Plated Carbon Steel, Tungsten Carbide, PTFE

## Intended Use

This machine is used in industrial departments such as steel structures, ships, automobiles, railway vehicles, geology, Aeronautics etc.

### Prohibitive use

Use on materials containing asbestos is prohibited.

Use by an underage, untrained or operator who is under the influence of drugs or alcohol.

Use with non-genuine spare parts or accessories is prohibited.

Use with safety devices un functional or in need of service is prohibited.

## Safety Instructions

Following symbols are used throughout this manual.



### Warning

Warning: If not followed could cause personal injuries



### Caution

If not followed could result in damage to equipment.



### Warning

This manual must be read, and the operating instructions carefully followed, because of the high pressure developed, severe injuries can be caused by negligent operation



### Warning

Operators under 18 not allowed to operate this High Pressure Water Jet. Operators must be made familiar with the instructions in this manual before attempting to operate the High Pressure Water Jet . Ensure that job site is clear of bystanders.

**Warning**

Medical attention

Personnel who sustain injuries caused by high pressure jets must be given immediate hospital attention. It's important to apprise the medical attendants of the manner in which the injury has been caused, namely a high-pressure jet.

**Caution**

Use only genuine Teryair or Teryair approved accessories.

**Warning**

Completely turn off the machine and disconnect air supply line before attempting any service. Read Assembly and Dis assembly instructions.

Always follow the Pressure Relief Procedure before attempting any repair or service on the equipment.

**Warning**

Safety and protective clothing, eyewear, headgear, ear protection, gloves and footwear to be worn during operation of this High Pressure Water Jet. Please see Table C at end of this section.

**Warning**

While starting operation and also during operation there is a considerable kickback force from the Gun due to the high energy generated, be aware of this at all times and keep a firm control on the direction of the spray jet.

**Caution**

Keep the gun trigger locked when not operating.

**Warning**

Take care not to exceed the maximum (120 psi) supply air pressure. Use a filter and regulator and lubricator as close to the equipment inlet as operation will allow to ensure a clean and regulated air flow.

**Skin Injection Hazard**

High-pressure fluid from gun, hose leaks, or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. Get immediate surgical treatment.

- Do not point gun at anyone or at any part of the body.
- Do not put your hand over the spray tip.
- Do not stop or deflect leaks with your hand, body, glove, or rag.
- Do not spray without tip guard and trigger guard installed.

**Equipment Misuse Hazard**

Misuse can cause death or serious injury.

- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See Technical Data in all equipment manuals.
- Use fluids that are compatible with equipment wetted parts. See Technical Data in all equipment manuals. Read fluid and solvent manufacturer's warnings. For complete information about your material request MSDS forms from distributor or retailer.
- Check equipment daily. Repair or replace worn or damaged parts immediately with genuine parts only.
- Do not alter or modify equipment.
- Use equipment only for its intended purpose.
- Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.
- Do not kink or over bend hoses or use hoses to pull equipment.

- Use extreme caution when cleaning or changing spray tips or nozzle. If the spray tip or nozzle clogs while cleaning, engage the gun/valve safety latch immediately. Always follow the DE-pressurizing Procedure before attempting any repair or service on the equipment.
- Keep children and animals away from work area.
- Disengage the safety latch of the gun.
- Hold a metal part of the gun firmly to a grounded metal waste container and trigger to relief the fluid pressure.

**Warning**

Operators must wear helmets of suitable strength at all times. Helmet must be able to withstand 10G in 8ms without fracturing.

**Warning**

Suitable heavy duty gloves must be worn at all times during operation.

**Warning**

Waterproof heavy duty outerwear and Shoes with toe cap protection are a must during operation

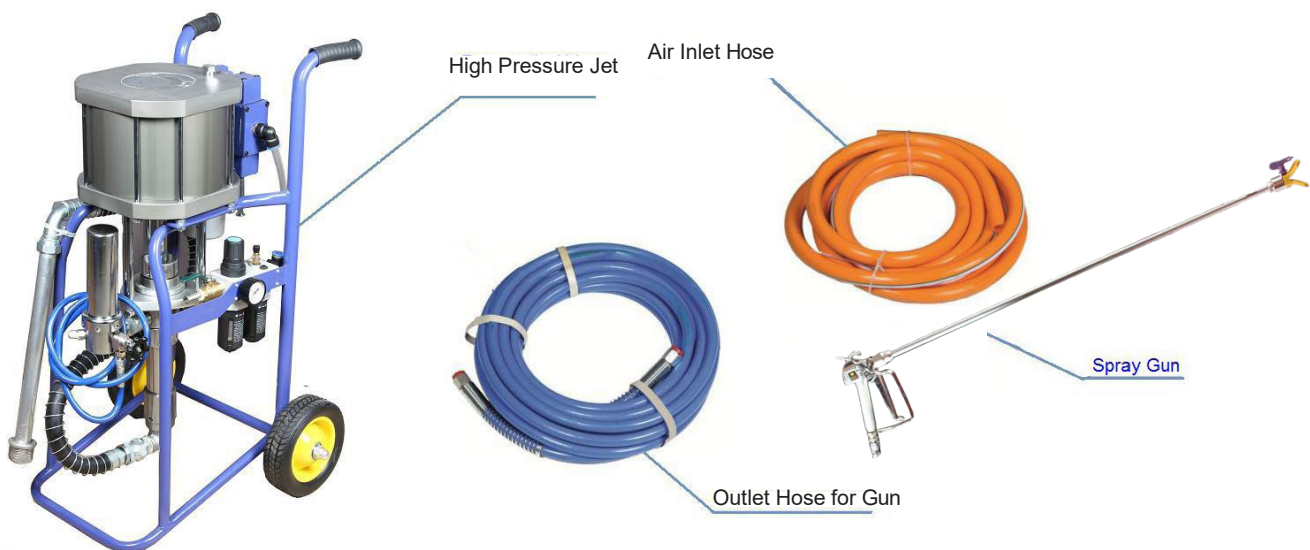
**Warning**

Eye and face and ear protection must be worn at all times during operation of the High Pressure Washer. There is a chance of flying debris from the jobsite and the quality of wear should be such to protect against such flying debris such as flakes of the removed layer.

## Operating Instructions

### Unpacking

Identify all the components as below, contact your supplier if any parts are missing or damaged. Be aware that minor visual differences may be noticed between actual motor/frame/pump and High pressure hoses because this components vary depending on the model ordered. This illustration is for identification only. Unless specially requested the motor, pump and frame are factory fitted to each other.



## Assembly of components

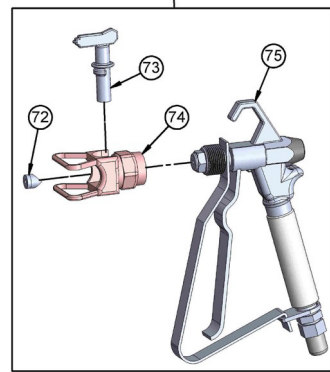
- Connect one end of the fluid outlet hose (64) to High- Pressure Cylinder(C). Tighten the connectors fully and make sure it is leak proof.
- Connect other end of the fluid outlet hose (64) to gun assembly. Assembly (D). Tighten the connectors fully and make sure it is leak proof. Engage the safety latch in lock condition.
- Now rotate the swivel nut of tip holder (74) counterclockwise to detach from the gun. Insert the tip support (72) in the Tip holder (74) and put the tip (73) from top. Make sure the concave portion of tip support (72) matches with tip (73). Now tighten the swivel nut of tip holder (74) and make sure its leak proof.
- Now connect the air hose to the nipple (61) of ball valve. Make sure the connection is leak proof.

### Starting the High Pressure Water Jet

- Connect air hose to main air supply and make sure its leak proof.
- Now dip the metal portion of fluid inlet hose assembly (52) in the fluid container. Also put the open end of drainage hose (51) in the fluid container.
- Now rotate the drainage valve in (59) in clockwise direction to close it.
- Now check the air regulator of FRL (71) (Filter-Regulator-Lubricator) is in close condition.
- Open the ball valve (60) slowly to confirm the FRL (71) in close condition.
- Release the safety latch and trigger the gun (D) in a metal waste container and slowly open the regulator of FRL (71) until the Air cylinder (A) starts running. Run the Air cylinder (A) slowly until the air from the fluid cylinder assembly (C) purged, release the gun trigger, and engage the safety latch - the air cylinder will start and stop

as the gun is open and closed. The air cylinder runs and stops automatically as the system demands.

- Always use the lowest pressure necessary to get the desired output.



### Conditions for use

1. Before using, first check if all bolts, nuts, pipe connectors, and the connecting nuts and hose clamps of the suction system have been tightened. Learn carefully about the opening and closing direction of ball valve on each pneumatic circuit, and the rotating directions of FRL and drainage valve (for the FRL, turn the regulator clockwise to open and anti-clockwise to close.) The capacity of the equipped air compressor must be large enough.
2. To ensure safe use, the maximum air intake pressure must not exceed 10kgf/cm<sup>2</sup> and is better to be kept at a value as low as possible.
3. During the cleaning, the spray gun should be pointed vertically or almost vertically at the work piece being cleaned and the moving direction should be parallel to the surface being cleaned
4. During the cleaning process, the trigger safety of spray gun should be locked in time if the nozzle is being cleaned or replaced or the cleaning is

Stopped. Under no circumstances should the spray gun be pointed at the operator or others, in case the trigger is accidentally pressed causing the high -pressure fluid to spray and injure someone. If the spray gun can still be opened after the trigger safety has been locked, the small nut at the end of the draw bar of the gun's valve plug should be adjusted. If the nozzle is blocked, it should be immersed and cleaned with solvent, Or cleaned carefully with a brush. Do not poke it with hard things as this may damaging the nozzle.

5. If a rotating nozzle issued during cleaning process and the nozzle is slightly blocked, just turn the handle 180 degrees and trigger the spray gun, the dirt in the nozzle will be blown off by the hydraulic pressure to the high-pressure fluid itself. If the nozzle is completely blocked, the connecting nut of the nozzle has to be slightly loosened. The handle can only be turned after the fluid has been depres- surized. If the handle is turned by force while the fluid is still pressurized, the handle is easily damaged. While using standard nozzle or rotating nozzle, a sealing ring has to be placed at the joint of the nozzle and the spray gun.
6. If the High pressure water jet system has worked continuously for a long time and a severe " frosting " phenomenon has appeared inside and outside the silencer, a water -separating air dryer can be installed before the compressed air enters the High pressure water jet system.
7. If the cleaning operation is finished or will not be used for a long periods of time, the suction pipe should be pulled out of the tank in time. The residual fluid in the fluid pump, the suction pipe the High pressure hose and the spray gun should be discharged by running the High pressure water jet system idly. Then the whole fluid hydraulic loop including the fluid pump, the suction pipe, the discharge valve, the high- pressure hose, the high pressure spray gun and the nozzle should be cleaned by running the High

pressure water jet system idly with #20 engine oil.

## Installation & Warning

- This equipment must only be operated by trained personnel.
- Every equipment has a specific use. Please consult the agent if you have any questions.
- Never attempt to modify the equipment, nor exceed the maximum working pressure of the system.
- Check the equipment every day. Maintain or replace old or broken parts immediately.
- Read the warnings provided by the manufactures of fluids and solvents. Make sure that the used fluids and solvents are applicable to the contact parts of the equipment.
- Do not drag equipment with the high-pressure hose, nor put the high- pressure hose in places of heavy traffic, on sharp edges, on moving objects and on hot surfaces.
- Follow all relevant laws and regulations of local governments and the country regarding fire prevention, electricity usage and safety.
- Do not point the spray gun at anybody or any part of the body. Do not put your hand or finger on the spray gun, nor block the crack or leak point with your hand, body, glove, or duster cloth.
- The injury caused by high-pressure fluid sprayed on to the skin may appear just as a cut, but it is actually a severe injury. The victim should go to see a professional doctor immediately.
- Before operating the equipment, please tighten all connectors and make sure that the trigger safety of spray gun can be operated safely.
- When the cleaning is stopped, please engage the safety latch of spray gun. Also open the drainage valve to release the fluid to container.
- Check the high-pressure hose and connecting parts every day. Replace broken



parts immediately. Do not repair broken high-pressure connecting parts. In which case the whole pressure hose must be replaced.

- While the pressure is not released and the intake switch is opened, do not loosen the connecting parts among fluid pump, high-pressure hose and spray gun.
- The equipment must be well grounded while being used. If there are electrostatic sparks or you receive an electric shock, please stop cleaning immediately until you find out the cause and eliminate the trouble.
- Keep the circulation of fresh air to avoid the accumulation of the flammable gases in solvents and fluids during cleaning operations.
- In the cleaning area, naked fire is forbidden. Do not smoke in the cleaning area. Do not turn on or off any light during cleaning operations
- Do not start the gasoline engine in the cleaning area.
- Always wear protective glasses, gloves, clothing and mask recommended by the manufacturers of fluids and solvents.

### Hose Safety

High pressure fluid in the hoses can be very dangerous. If the hose develops a leak, split or rupture due to any kind of wear, damage or misuse, the high pressure spray emitted from it can cause fluid injection injury or other property damage.

- All Fluid spray hoses must have spring guard. The spring guard help protects the hose from kinks or bends at or close to the coupling which can result in hose rupture.
- Tighten all fluid connections securely before each use.
- Never use a damaged hose. Before the use check the entire hose for damage and movement of hose couplings. If any of the condition exists replace with new one immediately.

### Equipment Maintenance

1. To avoid damaging the high-pressure hose, while using it, do not over bend, stepped on, stress or roll by wheels.
2. To ensure good filtering functions, strainers on the equipment must be maintained and cleaned regularly (strainers on fluid sucker, pressure storing filter, and the inner tube of the pikestaff)
3. When the nozzle hole is blocked, do not stab it with a needle, in case the nozzle lip is damaged and the atomization quality is affected.
4. The pump rods of air-driven pump and plunger pump should be injected with lubricant regularly.
5. The oil cup in the air-driven dual parts must be filled with 20# engine oil regularly.

## Disassembly and Re-assembly of High Pressure Water Jet

### DE-pressurizing Procedure

To reduce the risk of serious injury always follow this procedure whenever you shut off the equipment or stop cleaning.

- Engage the safety latch of spray gun. Rotate the latch clockwise as shown (Refer Fig. 1).
- Cut off the air supply by closing the ball valve (Refer Fig. 2).
- Connect the drain pipe to the fluid container and open the drainage valve gently in anti-clockwise rotation (Refer Fig. 3).
- Disengage the safety latch of the gun.
- Hold a metal part of the gun firmly to a grounded metal waste container and trigger to relief the fluid pressure.
- Engage the safety latch again.
- Leave the drain valve open until you are ready to spray again.

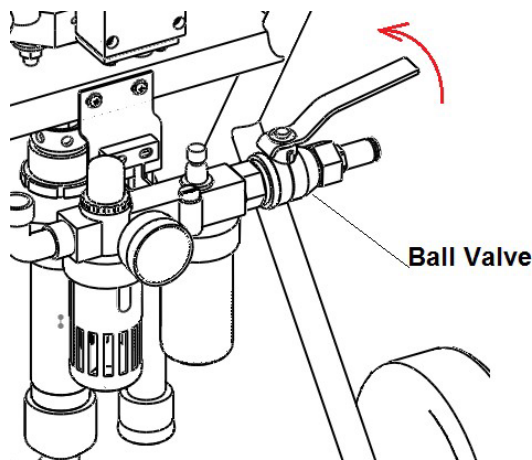


Fig. 2

### Clearing a blocked tip

1. DE-pressurize the system.
2. Loosen the tip support (76) Refer page no. 3. and remove the tip (75).
3. Now dip the tip (75) in a cleaning solvent and later try to clear it by pressurized air by using a air gun from the discharge side.
4. If still the blockage remains replace it with new one. Don't try to use any sharp object to clear the blockage as it will damage the tip orifice.

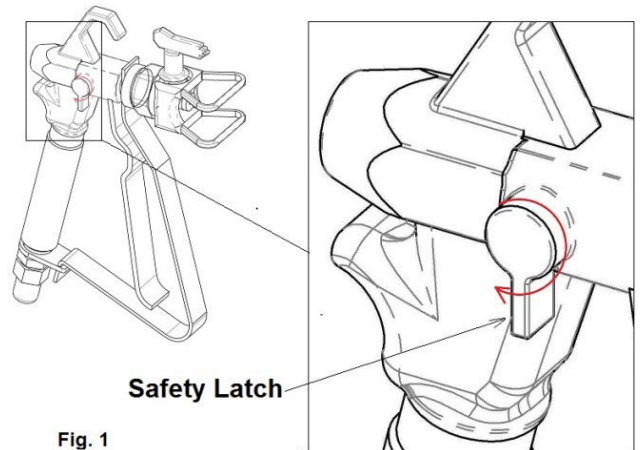


Fig. 1

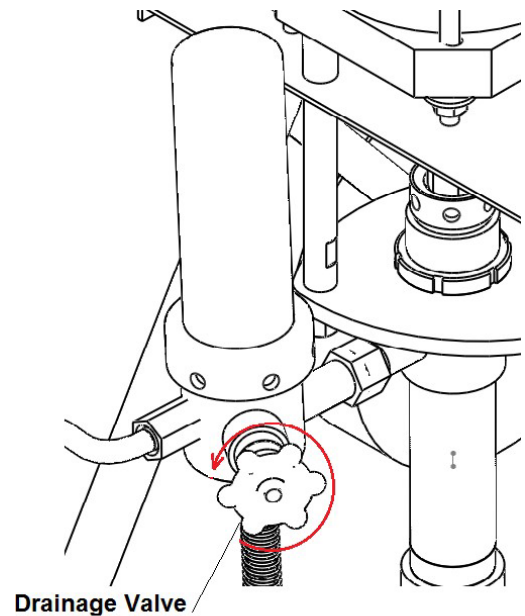


Fig. 3

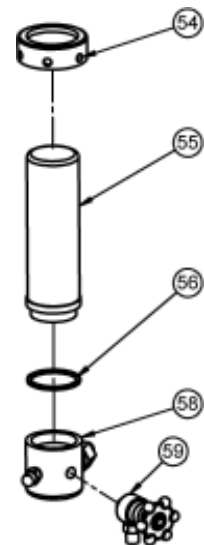


Fig. 4

### Clearing a blocked hose

1. DE-pressurize the system.
2. Detach the outlet hose (64) from gun (D) and fluid cylinder assembly (C).
3. Open the fluid cylinder assembly (C). Unscrew the housing nut (64) by using spanner supplied with the equipment.
4. Clean the parts and hose with solvents. Blow the outlet hose by pressurized air pressure by a air gun.
5. If still the blockage remains replace outlet hose with new one.

### Grounding the system

Static electricity is created by the flow of fluid through the pump and hose. This static electricity can generate spark which is a source of igniting fumes from solvents and the fluid being sprayed. This will lead to fire or explosion

1. The air supply hose and fluid delivery hose have to be anti-static.
2. The container which holds the fluid, spray gun and the job to have a proper grounding.
3. Loosen one the nut (15) mounting plate (22) shown in Assembly and dis-assembly procedure.
4. Use proper resistance wire to ground the High Pressure Water Jet and tighten the nut (15). The other end of wire must be grounded properly.

### Post-use cleaning and storage

After using the High Pressure Water Jet the internal portions must be cleaned as the remaining fluid will tend to dry and jam up the system.

1. After completing the relevant job DE-pressurize the system and put both the inlet hose and drainage hose in a cleaning solvent such as thinner and start the fluid spray. Point the gun in a empty container and operate for few minutes.
2. Release the solvent by opening the drainage valve. DE-pressurize the system again.
3. Now put the inlet hose and drainage hose in a oil container (20# engine oil) and start the same procedure as above. DE-pressurize the system.
4. Now clean the equipment with clean cloth and store it.

### Pre-use cleaning and priming

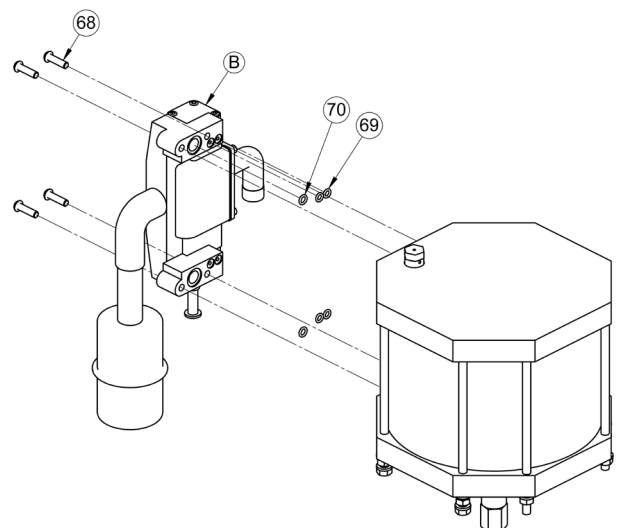
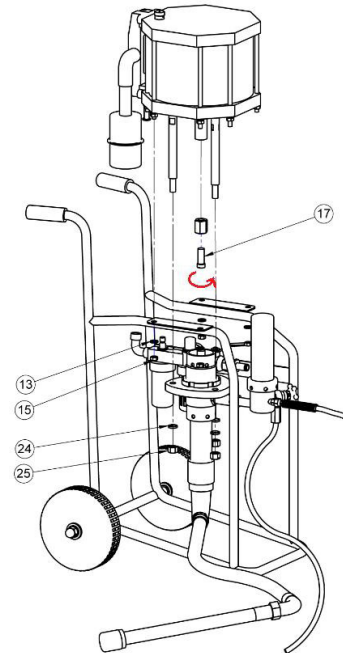
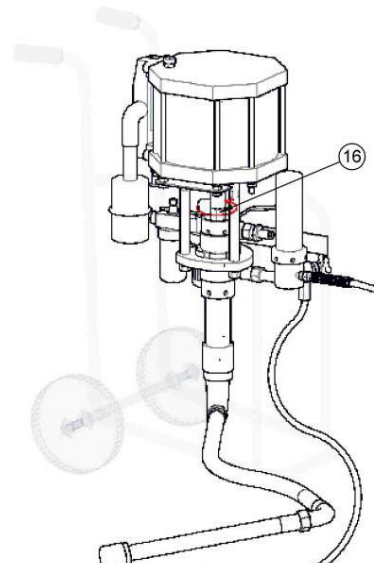
1. Put both the inlet hose and drainage hose in a cleaning solvent such as thinner and follow the stating procedure (Mentioned in page 4) to start the fluid spray. Point the gun in a empty container and operate for few minutes. DE-pressurize the system.
2. Then put the inlet hose and drainage hose in the reverent fluid to start the desired work.

**Assembly and dis-assembly procedure**

1. First unscrew Hex. adapter (16) in anti-clockwise as shown in figure.
2. This will help to detach the High- Pressure Cylinder(C) from the Pneumatic cylinder (A).

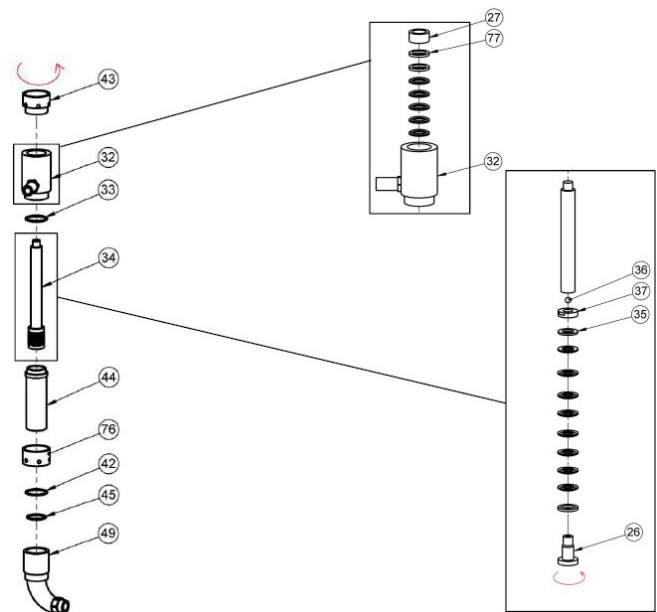
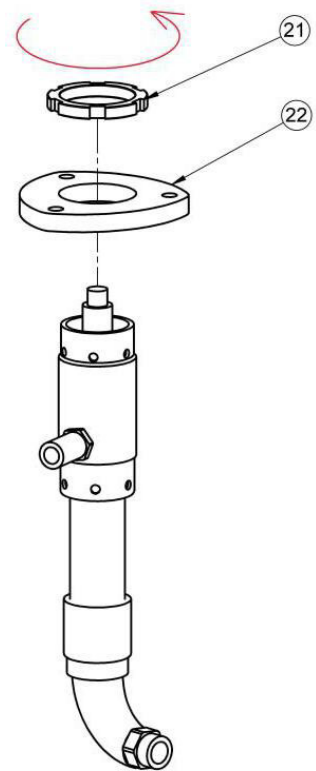
**Dis-assembly of Pneumatic cylinder**

1. Now unscrew the nut (15) and remove spring washer (13) mounted on the frame.
2. Unscrew nut (25) and washer (24) from the studs.
3. Now remove the High- Pressure Cylinder (C) with accessories as shown.
4. Now use an Allen key spanner to remove the Allen bolt (17) from the Hex. adapt- er (16) as shown.
5. Now remove the studs (20) from the Pneumatic cylinder
6. Now remove the valve assembly (B) by removing Allen bolts (68). Collect the orings (69) & (70) and keep it safely.
7. Now remove the nut (15), spring washer (14) respectively as shown in exploded view (Ref. Page 11). Now unscrew the studs (7) from the Cylinder cover (6).
8. Now with gentle tap remove Cylinder cover (6).
9. Now push the piston with rod (11) with piston from the rod side and remove out of the cylinder (9).
10. Now remove the cylinder (9) with gentle tap.
11. You can remove the Orings (8) from cylinder base plate (12) with the help of a flat screw driver.
12. Change the Piston seal (10) and O ring (8).
13. Now assemble the same in reverse manner.



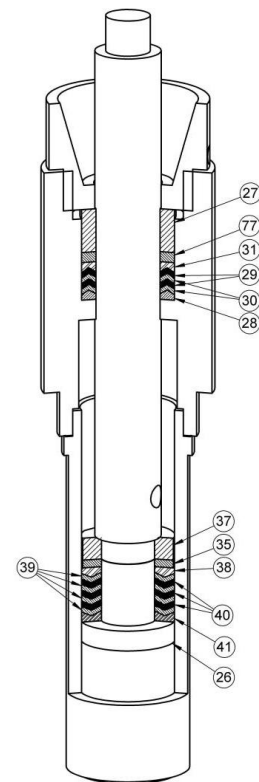
### Dis-assembly of High pressure cylinder

1. Unscrew the lock nut (21) with help of spanner supplied with the equipment.
2. Now with the help of spanner remove Upper cover (43) from the Pump base (32).
3. Now rotate the Lower cover (76) with help of spanner and pull the pump body (44).
4. Now you can see the pump rod (34) with seals.
5. Now pull the pump rod (34) downward. Now you see the seals with a supported bush (27) and washer (77) in the pump base (32).
6. Remove the bush (27), washer (77) and the seals. Change the worn out rod seals with new one. While assembling the same maintain the same sequence as original (Refer Change of seals).
7. Now remove the rod stem (26) and take out the worn out piston seals and replace with new one. While assembling the same maintain the same sequence as original (Refer Change of seals).
8. After changing the seals assemble in reverse manner.



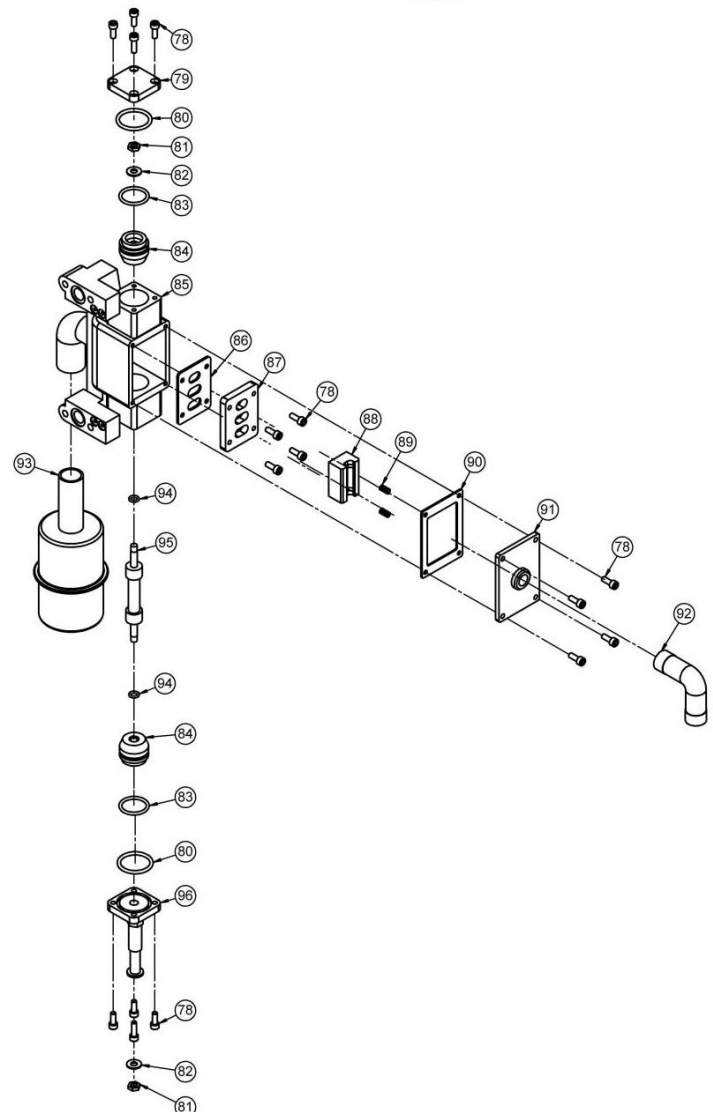
### Change of seals

- There are two sets of seals. One set is rod seals (28 ~31) supported by bush (27) and the other set (38~41) is piston seal used in the high pressure pump. Each set of seals are to arrange as per original only. Refer the exploded view for its pattern.
- For Shaft seals all the seals to be located in the pump base (32).
- For Piston seals all the seals are located on the Pump rod (34).



### Dis-assembly of Valve assembly

1. Unscrew the Allen bolt (78) and remove covers (79) and (96) with Oring (80) from both sides.
2. Now unscrew Allen bolt (78) and remove air intake cover (91) with elbow (92) along with gasket (90).
3. Rotate the slide block (88) and remove it with springs (89).
4. Now push the pistons assembly from any one side. Unscrew nut (81), plain washer (82).
5. Remove the piston (84) with its oring (83). Take out the oring (94).
6. Push the assembly on other side and repeat the same procedure.
7. Now take the piston rod (95) out of the assembly.
8. Unscrew the Allen bolt (78) to remove the distributing plate (84) and gasket (83).
9. Replace worn out parts and assemble in reverse manner. Care must be taken during assembly for piston not to damage the (83).



## Troubleshooting

Generally, the faults of High Pressure Water Jet can be divided into two types; faults in pneumatic system and faults in fluid system. If a fault occurs, it's prohibited to dismantle blindly. The fault should be analyzed and eliminated step by step as shown in the following table. Before that the pressure switch should be dismantled and the air intake ball valve should be closed.

Serial No	Description		Causes
1	High pressure water jet does not start	Insufficient air supply	Ensure adequate air, See Technical Specifications, Ideally air must be delivered via a hose of not less than 20mm Internal diameter. The pressure and flow rate must be available at the input of the equipment and not on the compressor output. Air pressure can drop considerably in long supply lines.
		Clogged / Blocked Spray tip or Hose	Clean Tip or Hose, refer Clearing block tip procedure on page 5.
		Jammed Pump Rod, Fluid side	Refer Dis-assembly of High pressure cylinder on page 7 followed by change of seals.
		Jammed Piston, Air side	Refer Dis-assembly of High pressure cylinder on page 7 followed by change of seals.
		Malfunctioning Air Valve	Refer Dis-assembly of Valve assembly on page 8.
2	High pressure water jet system operates but output is low.	Insufficient air supply	Ensure adequate air, See Technical Specifications, Ideally air must be delivered via a hose of not less than 20mm Internal diameter. The pressure and flow rate must be available at the input of the equipment and not on the compressor output. Air pressure can drop considerably in long supply lines.
		Incorrect Tip Selection	Match tip to fluid parameters, especially viscosity of fluid.
		Hose or Gun is partially blocked	Clean Tip or Hose, refer Clearing block tip procedure on page 3.
		Incorrect fluid viscosity	Ensure correct viscosity as per tip parameters.
		Bubbles in fluid output	Suction line connections not properly tightened, Re-check and tighten or replace worn or damaged connectors.

Generally speaking, the trouble -shooting should be done step by step. At first, presume some parts are normal and the others are not and check the parts you think are faulty. If the checked parts are normal, check other parts, until all faults are eliminated.

Caution: Before the trouble-shooting and maintenance operation, the air intake ball valve must be closed and the system must be depressurized by opening the discharge valve.

## Bill of Materials for High Pressure Water Jet

Illustration Number	Part Number	Description	Qty
1	758 27 01	One Way Valve Cover	2
2	758 40 01	O' Ring	2
3	758 90 01	Plain Washer	2
4	758 51 01	Spring	2
5	758 25 01	Check Valve	2
6	76010 01	Cylinder Cover	1
7	760 21 01	Stud	4
8	760 40 02	O' Ring	2
9	760 26 01	Cylinder Body	1
*10	760 40 03	O' Ring	1
11	760 98 01	Piston With Rod	1
12	758 10 02	Cylinder Base Plate	1
13	758 90 02	Plain Washer	12
14	758 90 03	Spring Washer	4
15	758 90 04	Nut	12
16	760 90 05	Hex Adapter	1
17	760 90 06	Allen Bolt	1
18	760 90 23	Plain Washer	6
19	760 31 01	Frame Assembly	1
20	760 21 02	Stud	3
21	760 27 02	Lock Nut	1
22	760 31 02	Mounting Plate	1
23	760 21 03	Stud	4
24	760 90 08	Spring Washer	3
25	760 90 09	Nut	3

Illustration Number	Part Number	Description	Qty
26	760 27 03	Rod Stem	1
27	760 26 02	Bush	1
*28	760 36 01	V' Seal	1
*29	760 40 04	V' Seal	2
*30	756 36 02	V' Seal	2
*31	760 36 03	V' Seal PTFE	1
32	760 27 04	Pump Base	1
33	760 36 04	Sealing Ring	1
34	760 27 01	Pump Rod	1
35	760 25 02	Washer	1
36	760 50 01	Steel Ball	1
37	760 27 06	Sealing Pressure Plate	1
*38	760 36 05	Seal	1
*39	760 36 06	Seal	4
*40	760 08 02	Seal	3
*41	760 36 11	Seal	1
*42	760 36 12	Packing Washer 1	1
43	760 27 07	Upper cap	1
44	760 27 02	Pump Body	1
45	760 36 09	Packing Washer 2	1
46	760 90 10	Circlip	1
47	760 50 02	Steel Ball	1
48	760 27 09	Suction Valve Body	1
49	760 50 03	Elbow	1
50	760 50 04	Hose Nipple	1

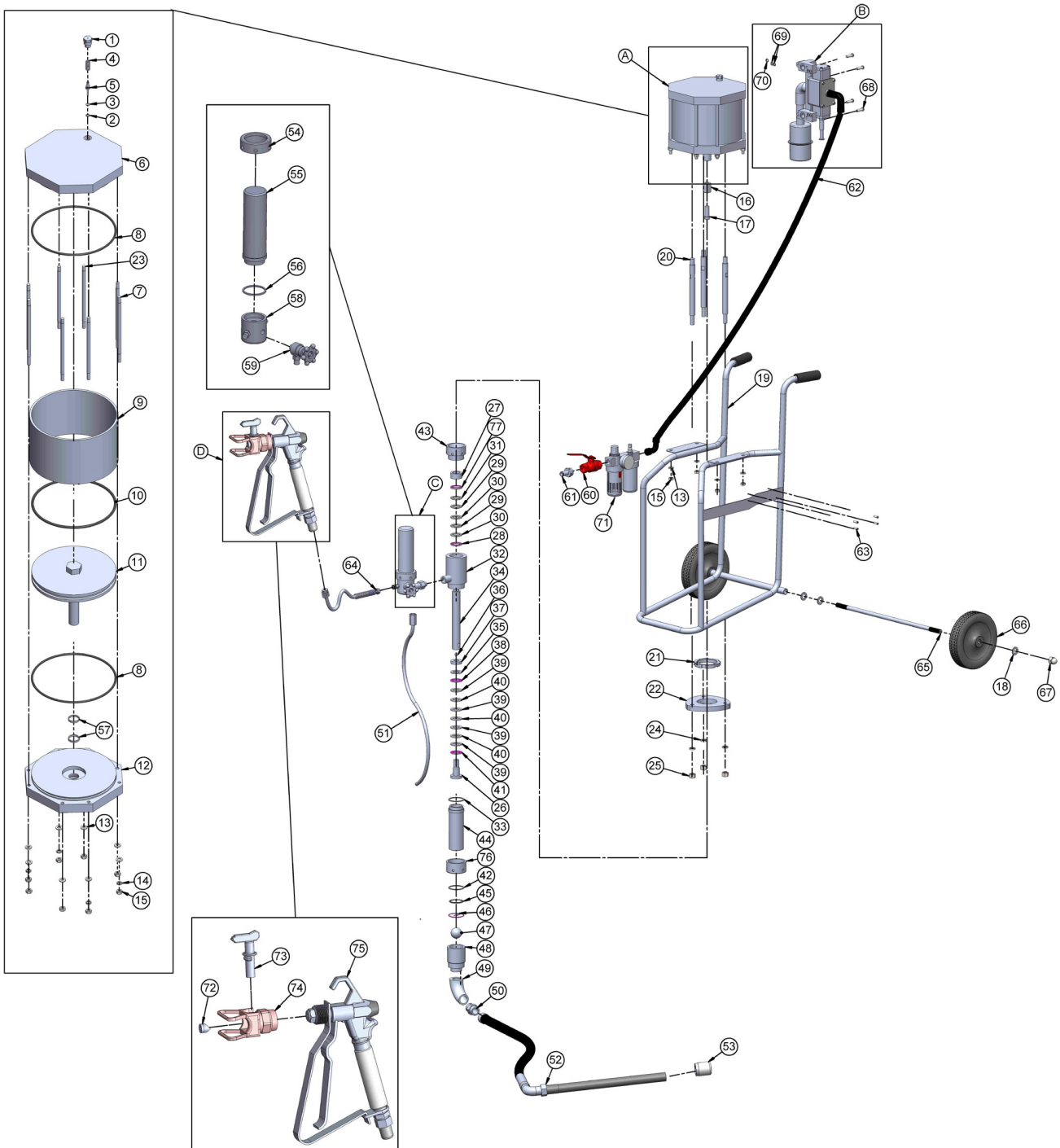


## Bill of Materials for High Pressure Water Jet

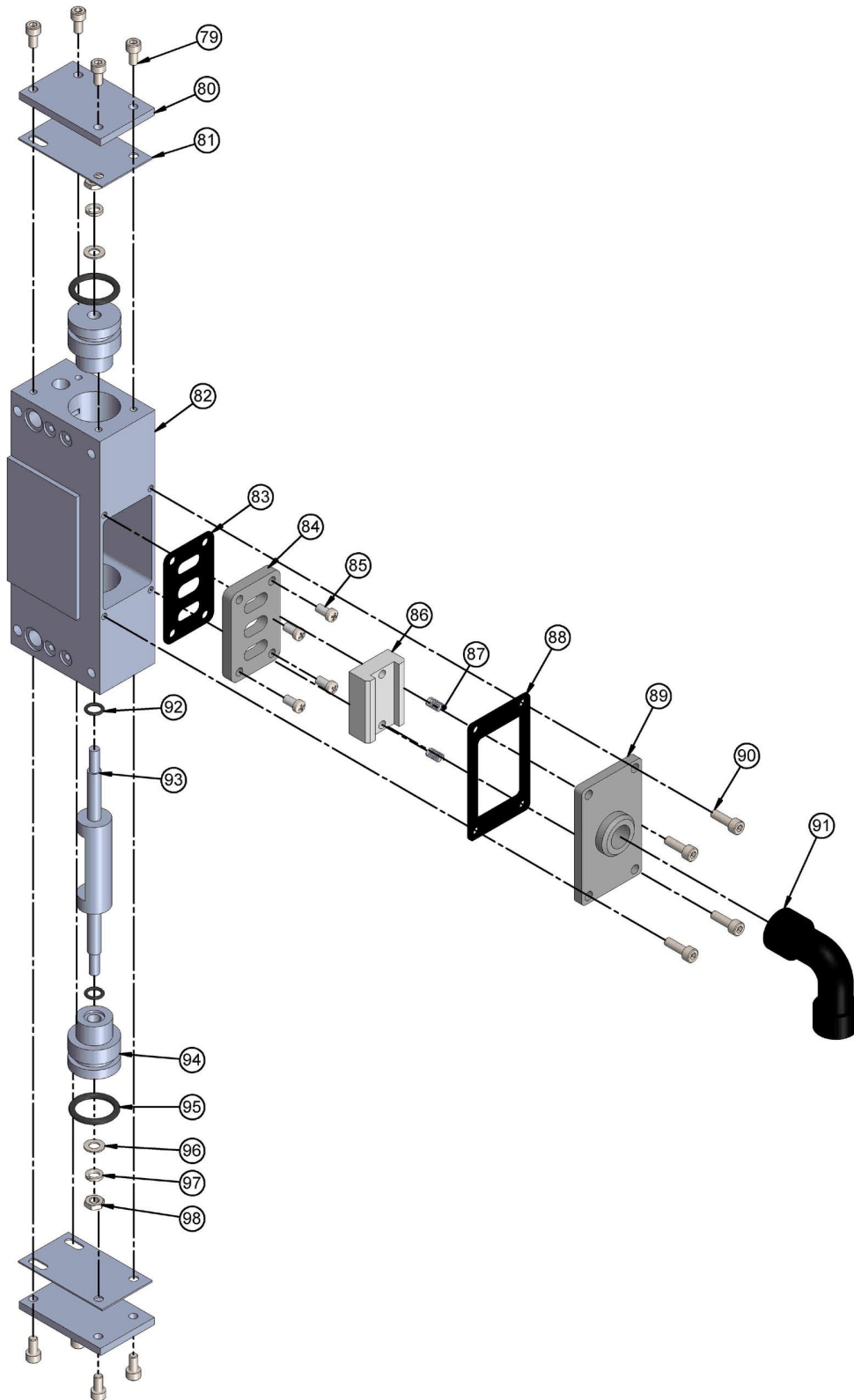
Illustration Number	Part Number	Description	Qty
51	758 50 14	Over flow hose pipe	1
52	760 98 02	Hose Assembly	1
53	760 50 06	Strainer	1
54	758 27 10	Housing Nut	1
55	758 27 11	Pressure String Cylinder	1
56	758 36 10	Gasket	1
57	760 40 12	O' Ring	2
58	758 27 12	Main Body of Pre. Res.	1
59	758 50 07	Needle Valve	1
60	758 50 13	Ball Valve	1
61	758 50 12	Hose Nipple	1
62	758 50 10	PU Tube	1
63	758 90 21	Screw	4
64	760 50 14	Over flow Hose Pipe	1
65	758 21 05	Stud for Wheel	1
66	758 50 15	Wheel	2
67	758 90 22	Dome Nut	2
68	760 90 15	Button head screw	4
69	760 40 08	O' Ring	4
70	760 40 07	O' Ring	2
71	758 50 11	FRL	1
72	758 50 19	Tip support	1
73	758 50 20	Tip	1
74	758 50 18	Tip holder	1
75	758 50 17	Gun	1

Illustration Number	Part Number	Description	Qty
76	760 27 13	Lower cap	1
77	760 27 14	Steel washer	1
78	760 90 11	Allen head screw	16
79	760 31 03	Upper Cover	1
*80	760 40 05	O' Ring	2
81	760 90 12	Nut	2
82	760 90 14	Plain Washer	2
*83	760 40 06	O' Ring	2
84	760 20 01	Gas Distributing Piston	2
85	760 10 03	Gas Distributing Body	1
86	760 40 10	Gasket	1
87	760 31 04	Gas Distributing Plate	1
88	760 08 03	Gas Distributing Slide Block	1
89	760 51 02	Spring	2
90	760 40 11	Gasket	1
91	758 31 05	Air Intake Cover	1
92	760 50 09	Elbow	2
93	760 50 08	Silencer	1
*94	760 40 09	O' Ring	2
95	760 21 04	Gas Distributing Piston Rod	1
96	760 31 04	Lower Cover	1
97	760 21 05	Pin	1
98	760 21 06	Cover	1
99	760 51 03	Spring	1
100	760 21 07	Manual button	1

### Exploded View High Pressure Water Jet



### Exploded View High Pressure Water Jet



## EU DECLARATION OF CONFORMITY

We hereby certify that the Listed Product stipulated below comply with all relevant provisions of the machinery directive (2006/42/EC) and the national laws and regulations adopting this directive.

**Description** : High Pressure Water Jet

**Model Number** : PW-250

**Date** : 25/08/2023

**Serial No** : 23020507

Is in conformity with the provisions of the following European Directives: (2006/42/EC) Machinery Safety and Harmonized standards

ISO 12100-1: 2010: Safety of Machinery –general Principles for Design –Risk Assessment and Risk Reduction.

**Registered Office** : TERYAIR EQUIPMENT PVT. LTD.  
A-1, Tirupati Udyog Nagar, Sativali Road,  
Vasai(E), Palghar – 401 208. Maharashtra, India

**Web site** : www.teryair.com

**Works** : A-1, Tirupati Udyog Nagar, Sativali Road, Vasai East,  
Palghar – 401208, Maharashtra, India.

CE certification registration no – C E 16831

Issued by – BMQR Certifications Pvt Ltd.  
www.cemarking-india.com

Valid Till – 03/11/2025

Signed for and on behalf of



TERYAIR EQUIPMENT PVT. LTD.

Place of Issue: Vasai

Date: 25/08 /2023



# Warranty Certificate


Every product manufactured by Teryair  
is built to meet the highest standards of quality.

Teryair warrants that the Products, accessories and parts manufactured or supplied by the company be free from defects in material and workmanship for a period of six months from date of Teryair authorized dealer invoice to customer, or one year from date of Teryair invoice to dealer, whichever is earlier. Failure due to normal wear, misapplication, or abuse is, of course, excluded from this warranty.

Since the use of Teryair products and parts is beyond our control, Teryair cannot guarantee the suitability of any product or part for a particular application and Teryair shall not be liable for any consequential damage or expense arising from the use or misuse of its products on any application. Teryair does not warranty bought out products or components such as electric motors and hardware but will assist in directing warranty queries to the dealer/manufacturer responsible. Teryair responsibility is limited solely to replacement or repair of defective Teryair products or components.

Dealer/End User shall have no right or remedy and Teryair shall have no liability or obligation under the warranty, if: (i) a Product is altered, changed, modified or tampered with in any way; (ii) a Product is damaged after deposit with the transporter for shipment; (iii) a Product is not properly preserved, packaged, stored, processed or handled after receipt; (iv) a Product is not used and maintained in accordance with Teryair's recommended operating and maintenance manuals, instructions and procedures, if any; (v) a Product is not properly incorporated or installed in, or not properly combined with, an Other Product; (vi) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, a failure, substandard performance or other issue with another product, material, component or part not supplied by Teryair; (vii) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, compliance with any design, specification or other specific requirement of Dealer/End User; (viii) a Product is used in a manner, with a substance or for a purpose other than the normal manner, substance and purpose for which it is intended or is otherwise subjected to abnormal use or service; (ix) a Product is subjected to a power surge, brown out or other similar occurrence; (x) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, normal wear and tear of such Product (including, without limitation, things such as worn seals, diaphragms, balls, O rings, gaskets, chisels, cutters, hoses and other such wearing components; (xi) the issue with a Product is directly or indirectly.

Model Number : PW-250  
Serial Number : 23020507  
Dated : 25/08/2023



M. Yadav, Q.A. Manager  
(Company Seal)

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