

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

User Manual for Models:

- FI-15 RM
- FI-15 RMV
- FI-15 RMK

Air Operated Double Diaphragm Pump Models Offers:

- P56 Flojet polypropylene body with santoprene diaphragm
- P56V Flojet polypropylene body with viton diaphragm
- P56K Flojet polypropylene body with kalrez diaphragm

Warranty:

Warranty does not cover damage from abuse, chemical attack from unacceptable products, or air valve failure due to moisture in air system. Please see page 7 for more detail

Specifications:

- Foam output 20 to 45 gal/min
- Foaming distance 25 to 30 feet
- Hose 30 feet reinforced hose, 3/4 inch I.D.

Requirements:

- Compressed air 40 to 80 PSI with 5 to 10 CFM
- Chemical requirements: Follow all instructions from chemical manufacturer.

Acceptable Products: Alkaline cleaners, Caustic cleaners, Sanitizers, and Acids.

Note:

1. D-Limonene may only be use with kalrez pump
2. Chlorine may only be use with viton or kalrez pump

DO NOT USE: All hydrocarbons



WARNING

Avoid Personal Injury

1. Always wear protective clothing, gloves, and eyewear while operating foam unit.
2. Avoid contact of cleaning agent with skin and eyes. If contact occurs, see MSDS sheet for further first aid measures.
3. Follow safety instructions of chemical manufacturer (MSDS).
4. After each use, relieve all remaining pressure in the system by unplugging the air line from the unit and opening the discharge ball valve to prevent accidental discharge.
5. Never point the discharge wand at anyone.
6. After relieving the pressure from the unit, store the unit with the ball valve in the closed position.

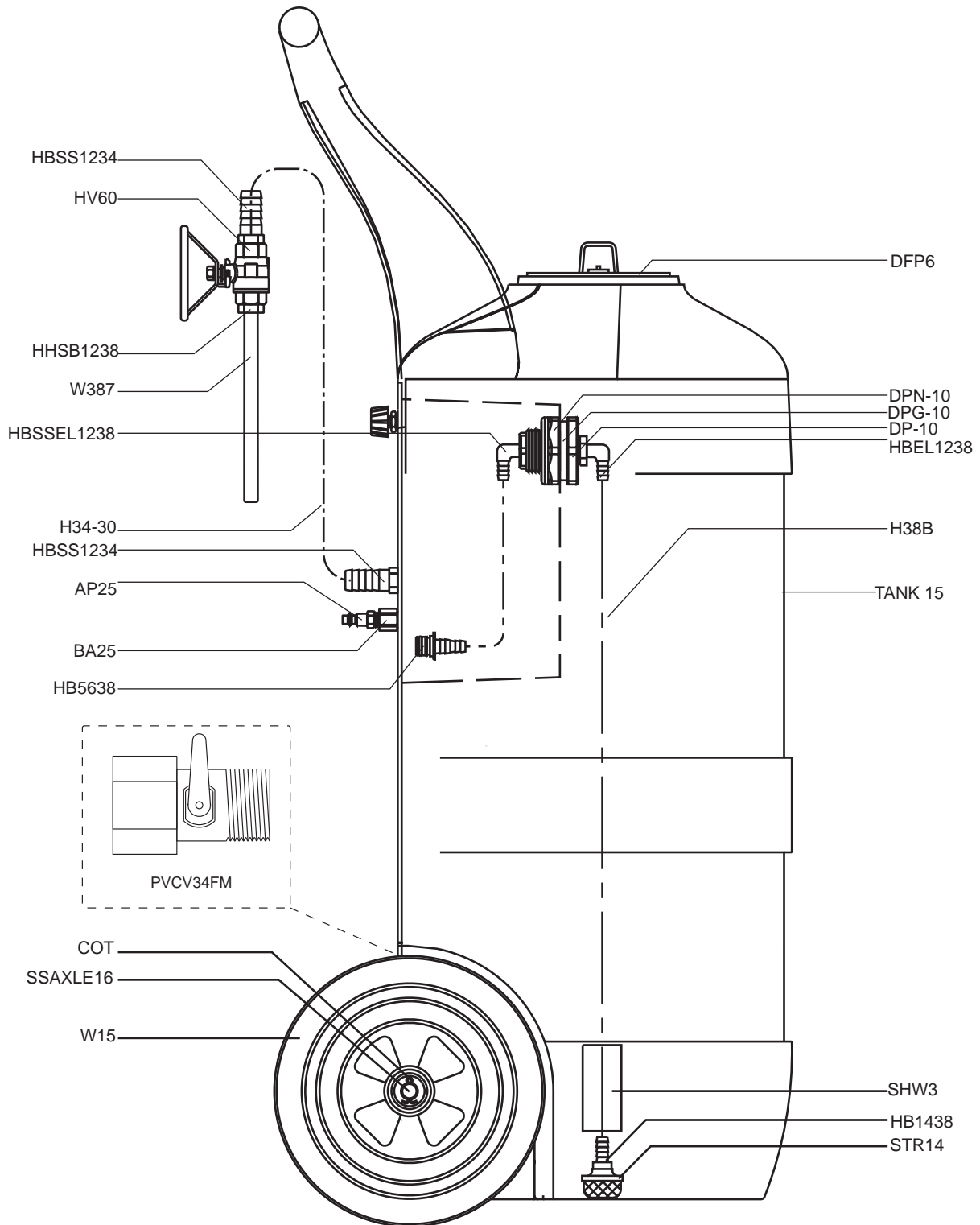


CAUTION

Avoid Equipment Damage

1. Only use clean and dry air. Air must be filtered and free of moisture or pump life will be diminished. If needed, install optional air dryer before unit.
2. Do not use air lubricator before the unit.
3. Be sure to flush the unit with fresh water for 5 minutes when switching from an alkaline to an acid or an acid to an alkaline.
4. Do not exceed a fluid temperature of 100 degrees Fahrenheit.

SIDE VIEW

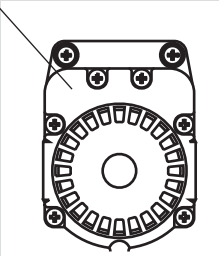


MODEL: FI-15 RM INTERIOR VIEW

Part Variations:

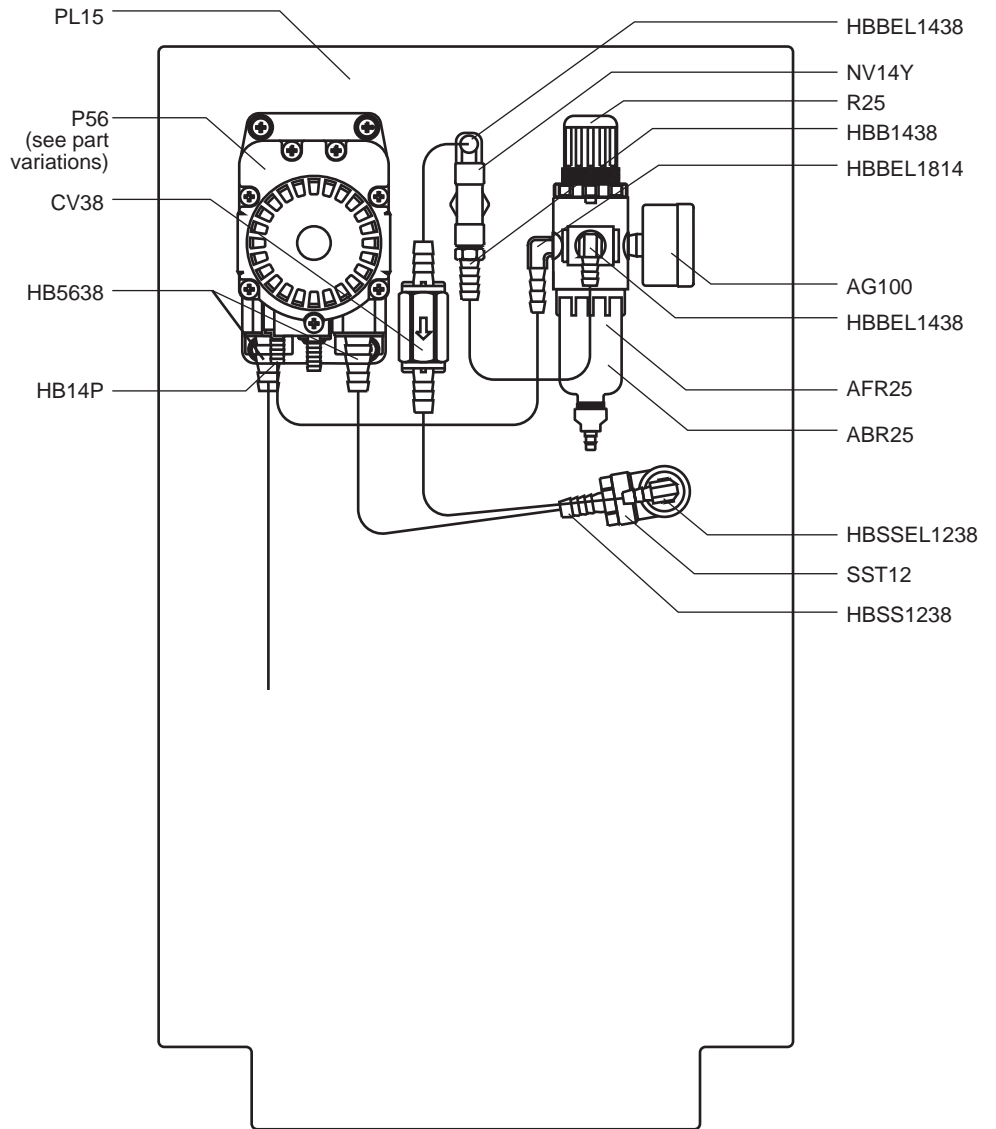
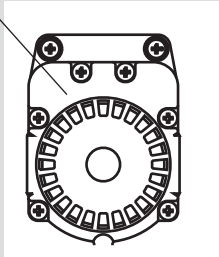
Model: FI-15 RMV

P56V



Model: FI-15 RMK

P56K



PARTS LIST:

ITEM NUMBER	DESCRIPTION
AG100	1.5in DRY MODEL 20 DUAL SCALE GAUGE
ABR25	METAL AIR BOWL for R25
AFR25	AIR FILTER for R25
AP25	PLUG 1/4 NPTM AIR FITTING - BRASS
BA25	MALE/FEMALE ADAPTER 1/4 X 1/4
COT	1/8 X 1 COTTER PIN 18-8 S/S
CV38	PVC CHECK VALVE 3/8 BARBS - SS SPRING
DFF6	6 INCH THREADED CAP FOR 10 GALLON UNIT
DP-10	BULKHEAD BODY 1/2 FPT
DPG-10	BULKHEAD GASKET
DPN-10	BULKHEAD RETAINING NUT
FWAX15	FLAT AXLE WASHER
H34-30	3/4in BLUE GENERAL SERVICE HOSE
H38B	3/8in BLUE GENERAL SERVICE HOSE
HB1438	1/4in MPT X 3/8in HOSE BARB (PLASTIC)
HB5638	HOSE BARB FOR FLO-JET PUMP
HBB1438	BRASS 1/4 MPT X 3/8 HOSE BARB
HBBEL1814	1/8 MPT X 1/4 HOSE BARB BRASS 90DEG
HBBEL1438	3/8 BRASS HOSE BARB X 1/4 PIPE ELB
HBEL1238	HOSE BARB ELBOW 1/2 X 3/8
HBSS1234	STAINLESS HOSE BARB 1/2 X 3/4
HBSS1238	STAINLESS HOSE BARB 1/2 X 3/8
HBSEL1238	304 S.S. 1/2in MPT BY 3/8in H.B. ELBOW
HHSB1238	HEX HEAD S.S. REDUCER BUSHING 1/2in X 3/8
HV60	1/2in STAINLESS BALL VALVE - w/ WELDED NUT
NV14Y	FLOW CONTROL VALVE
P56	5700 SANTO PUMP
PL15	PLATE FOR 15 GAL TANK W/ HOLES
PVCV34FM	PVC VALVE 3/4in FPT X 3/4in MPT
R25	AIR REGULATOR - SILVER COLOR - 1/4fpt TWO PORT 1/8fpt TWO PORT
SHW3	3in LONG COATED WEIGHT
SSAXLE16	S.S. AXLE 16in X 5/8in
SSP10	STAINLESS STEEL AXLE PLATE 3in X 2in 16G 304 SS
SST12	1/2in FPT 304 S.S. TEE
STR14	40 MESH SUCTION LINE STRAINER
TANK 15	15 GALLON ROTOMOLDED TANK
W15	15 GALLON UNIT WHEEL
W387	S.S. SPRAY WAND 3/8in MPT X 7in LONG - THREAD ON ONE END
SSWA38	S.S. WAND ASSEMBLY (INCLUDES: HBSS1234, HV60, HHSB1238, W387)

Safety Instructions:

1. Always wear safety goggles and protective gloves while operating foam unit.
2. Avoid contact of cleaning agent with skin and eyes. If contact occurs, see MSDS sheet for further first aid measures.
3. After use, relieve all remaining pressure in the system by unplugging the air line from the unit and opening the HV60.
4. Never point the discharge wand at anyone.
5. Be sure to flush the unit with fresh water for 5 minutes when switching from an alkaline to an acid or and acid to an alkaline.

Operation Instructions:

1. Follow all instructions from chemical manufacturer. Fill the tank with pre-mixed solution.
2. With HV60 in the closed position, plug an air line into the AP25.
3. Slowly open the HV60.
4. Adjust the NV14Y to desired wetness or dryness of foam following the steps below:
 - A. Close NV14Y completely in clockwise direction.
 - B. Open NV14Y in counter-clockwise direction 3 complete turns.
 - C. Continue to open valve in $\frac{1}{4}$ turn increments allowing 30 seconds between adjustments until proper consistency of foam is achieved.

After Use Instructions:

1. It is recommended to run a gallon of fresh water through the unit after each use. With the HV60 ball open, run the unit until the gallon of water has gone through the unit and discharged out the discharge hose.
2. Disconnect the air line from the AP25 and relieve any remaining pressure in the system by having the HV60 in open position.
3. Close the HV60 when all the pressure is relieved from the system.

Acceptable Products:

1. Alkaline cleaners
2. Caustic cleaners
3. Sanitizers
4. Acids

Note:

5. D-Limonene may only be use with kalrez pump
6. Chlorine may only be use with viton or kalrez pump

DO NOT USE: All hydrocarbons**Maintenance:**

To keep your portable tank foamer operating properly, periodically perform the following maintenance procedures:

1. Check the air pump for wear and leaks.
2. Replace filter in dryer as needed.
3. Check the suction tube and screen for debris and clean as needed.
4. Drain compressor tank on a regular basis to ensure proper operation of pump.

Warranty:

Innovative Cleaning Equipment, Inc. warranties all equipment for one year against defects that are due to faulty material or workmanship. The defective part will be exchanged at no charge to the customer.

The warranty does not cover damage from abuse, chemical attack from unacceptable products being used, or air valve failure due to moisture in air system. Should you have any questions regarding warranty claims, contact Innovative Cleaning Equipment, Inc.

Troubleshooting Instructions

1. Check for proper air pressure (60 psi or more into unit, 60 psi on AG100).
2. Check ABR25 for debris such as water, oil, or rust particles clean by unthreading the ABR25 from the R25.
3. Check for plugged STR34. Replace STR34 if necessary. STR34 must be used.
4. If NV14Y valve is open too far the P56 will cycle improperly due to lack of air pressure, if this occurs, reset NV14Y as described in operation instruction #4.
5. Make sure proper foaming chemical and concentration is being used.
6. If air passes through the P56 without cycling, replace P56.
7. If foam solution backs up into ABR25, the CV38 needs to be replaced.
8. If foam comes out wet, no matter where the NV14Y valve is positioned, the CV38 may need to be replaced.
9. If the unit foams at a reduced pressure:
 - A. Check the air compressor supplying the unit. If the pressure is less than 40 PSI, turn the foam unit off until the compressor can catch up.
 - B. If the air supply is 60 psi or above, check the AG100, which should read near 60 psi. If the AG100 is more or less than 60 psi, adjust the pressure by turning the knob on the top of the R25.
 - C. If both of the above are okay, the stainless steel mixing mesh could be plugged. Remove and clean it by following the instructions below:
 - 1) Be sure the foam unit is not plugged into an air supply and be sure to relieve all stored pressure in the unit by having the HV60 in the open position.
 - 2) Remove the HBSS1234 from the SST12.
 - 3) Remove the screen and the mixing mesh from inside the SST12.
 - 4) Clean any particles from the mixing mesh and the screen.
 - 5) Replace the mixing mesh and then the screen into the back of the tee and screw the hose barb back into the tee. It is recommended to use a pipe thread sealant when reinstalling the HBSS1234 into the SST12. If the mixing mesh has a lot of foreign particles in it, make sure the STR34 is still in place.