

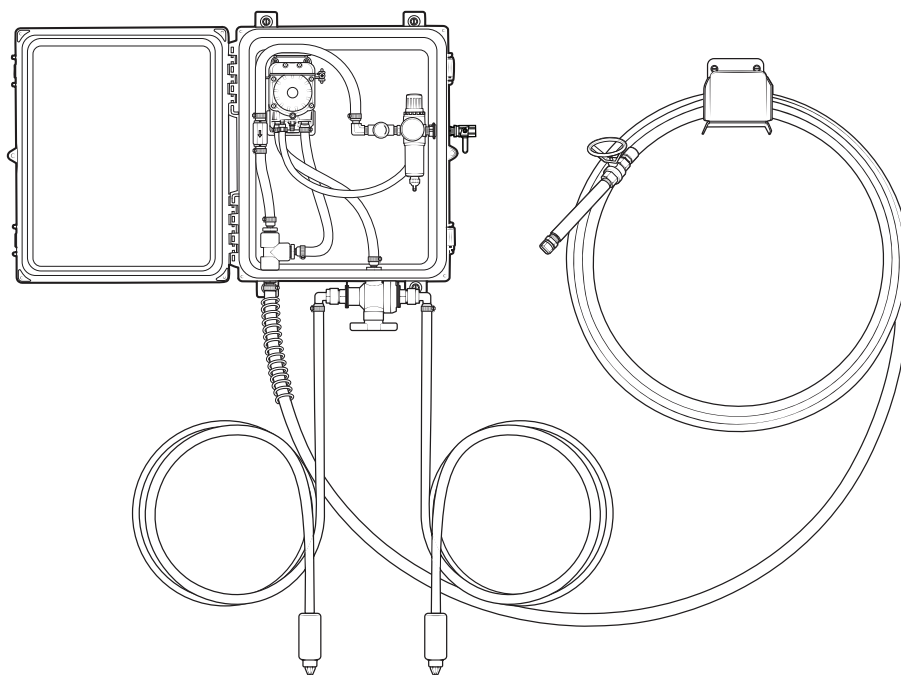
nox-crete®

chemical solutions to concrete problems

USER MANUAL

Read And Follow All Instructions For Use

READY TO USE PERFECT POWER FOAMER



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Safety

⚠ WARNINGS

- Failure to comply with the instructions and safety precautions in this manual could result in death, serious injury, and/or property damage. Read all instructions before using, servicing or interacting with the equipment. Keep this manual in a location that is readily available to users and service technicians.
- Chemical products can be harmful to you and your surroundings. Know the hazards of your chemical product prior to use. Follow all chemical safety precautions and handling instructions provided by the chemical manufacturer and Safety Data Sheet (SDS). Always wear appropriate personal protective equipment (PPE) for your chemical product.
- Never use with hydrocarbons or flammable products.
- Never exceed a fluid temperature of 100°F (37.8°C).
- Do not exceed 100 psi (6.9 bar) incoming air pressure when operating the unit.
- Always flush unit thoroughly with fresh water before switching products (i.e.: alkaline to an acid product).
- Never point the discharge wand at people, or any object that could be damaged by chemical exposure.
- Always depressurize unit before removing pump assembly, and after use. Always store unit depressurized.
- Do not pressurize unit by any means other than the built-in pump assembly.
- Never leave unit unattended while pressurized.
- Never use the unit if it is damaged or leaking.
- Do not modify or remove pressure relief valve. Do not use unit if pressure relief valve is not operational.
- Do not modify or service unit with parts not listed.
- Do not use an air lubricator before the unit.
- Moisture in the air lines will damage the pump and diminish the pump life. If needed, install an air dryer before the unit.

Protect The Environment



Dispose of packaging materials, equipment components, and chemical products in an environmentally safe way according to applicable waste disposal regulations. Always recycle when appropriate.

Product Requirements

Feature	Requirement
Compressed air requirements	40-80 psi (2.8-5.5 bar) with 5-10 CFM (141.6-283.2 l/min)
Liquid temperature range	40-100°F (4.4-37.8°C)
Chemical compatibility	Chemical products used with this equipment must be formulated for this type of application and compatible with unit materials and pump seals. For more information on chemical compatibility, consult the manufacturer or SDS for your product or contact our customer service department.

Product Specifications

Feature	Specification
Power type	Compressed air
Chemical pickup type	Draws from pre-mixed solution
Number of products unit can draw from	Two products (one at a time)
Suction line length/diameter	15 ft. (4.6 m) hose with 3/8 in. (9.5 mm) inside diameter
Discharge line length/diameter	50 ft. (15.2 m) hose, with 1/2 in. (12.7 mm) inside diameter
Discharge wand/tip type	10 in. (2.5 cm) stainless steel wand with fan tip and ball valve
Pump seals	Santoprene

Operation

Installation

1. Remove all components from packaging.
2. Select desired area to mount the control box.
Note: We recommend mounting the control box at a height of 6 feet or less.
3. Attach control box mounting feet to the back of the control box, using screws provided in parts package.
4. Mount control box to the wall using the provided hardware in the parts package.
Note: To drill holes for the plastic anchors, use a $\frac{5}{16}$ inch drill bit.
5. Mount the hose hanger in a convenient location using the screws and anchors provided.
6. Attach the discharge hose assembly to the discharge barb and secure it with the larger hose clamp provided in the parts package.
7. Attach an air line from your air compressor to the air inlet valve on the outside of the control box.

Operation

1. Following all instructions from the chemical manufacturer, fill drums with pre-mixed solution.
2. With the discharge ball valve in the closed position, open the air inlet valve to allow air flow.
3. Point the discharge wand in a safe direction and slowly open the discharge ball valve to begin.
4. While the unit is running and discharging product, adjust needle valve to regulate wetness or dryness following the steps below:
 - a. Close needle valve in clockwise direction.
 - b. Open needle valve in counter-clockwise direction 3 complete turns.
 - c. Continue to open needle valve in $\frac{1}{4}$ turn increments, allowing 30 seconds between adjustments, until desired consistency.
5. Close the discharge ball valve to stop discharging.

After Use Instructions

Note: For proper handling and disposal procedures refer to chemical SDS.

1. Thoroughly flush unit with fresh water after each use.
2. Close air inlet valve to cut off air and open the discharge ball valve to relieve remaining pressure.
3. Close the ball valve when all pressure is relieved from the system.

Maintenance

Note: Before performing any maintenance, ensure the unit has been disconnected from air supply and depressurized according to the **After Use Instructions**. To keep the unit operating properly, periodically perform the following maintenance procedures:

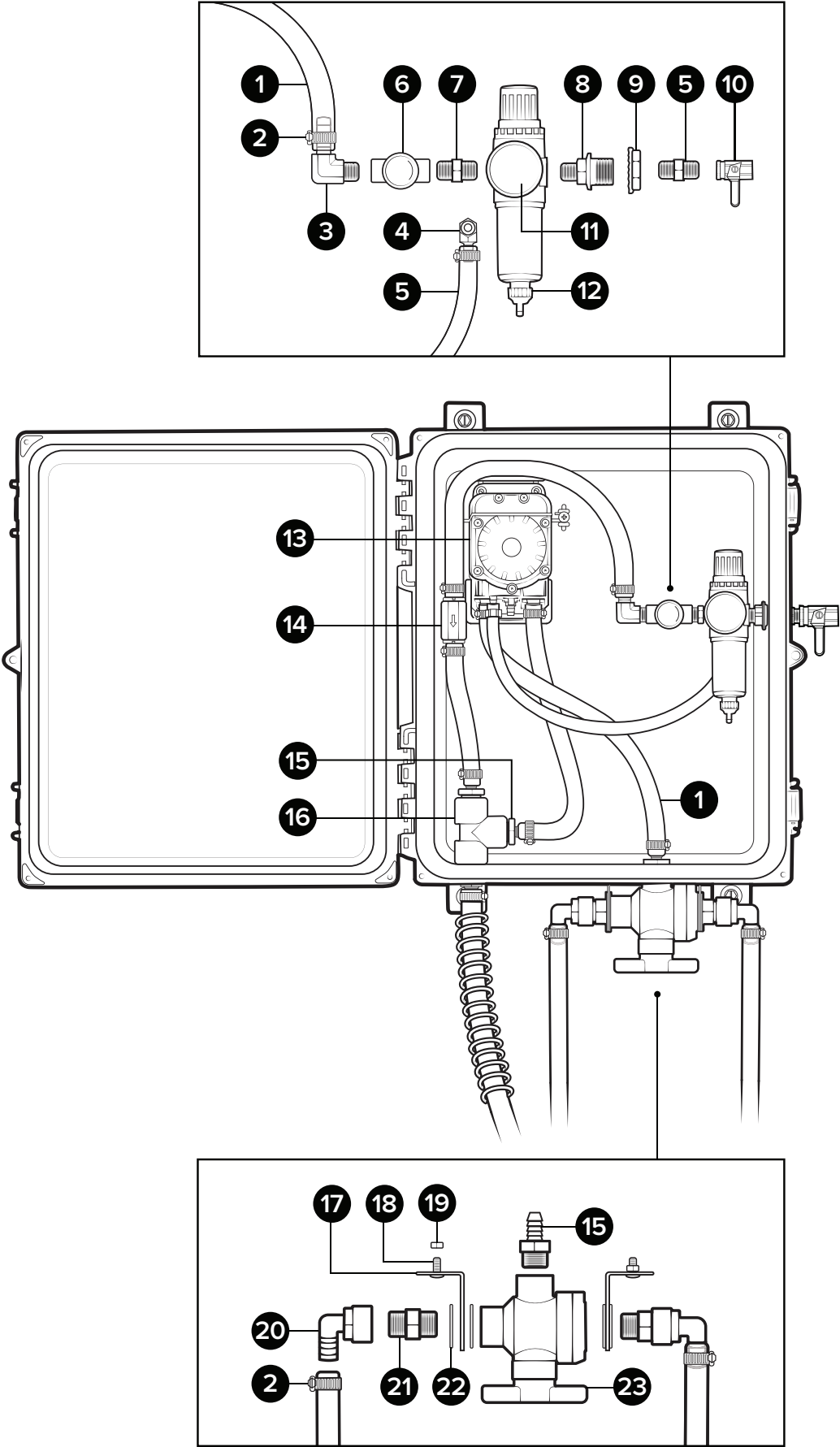
- Inspect the pump for wear and leaks.
- Inspect hoses for leaks or wear. Ensure hose clamps are in good condition and properly secured.
- Replace the filter located within the air regulator as needed. Clean by unthreading the air regulator bowl from the air regulator.
- Check the chemical suction lines and strainer for debris. Clean as needed.
- Drain compressor tank on a regular basis to ensure proper operation of pump.

Note: If your air source has a high moisture content, you may wish to install a water separator before the unit.

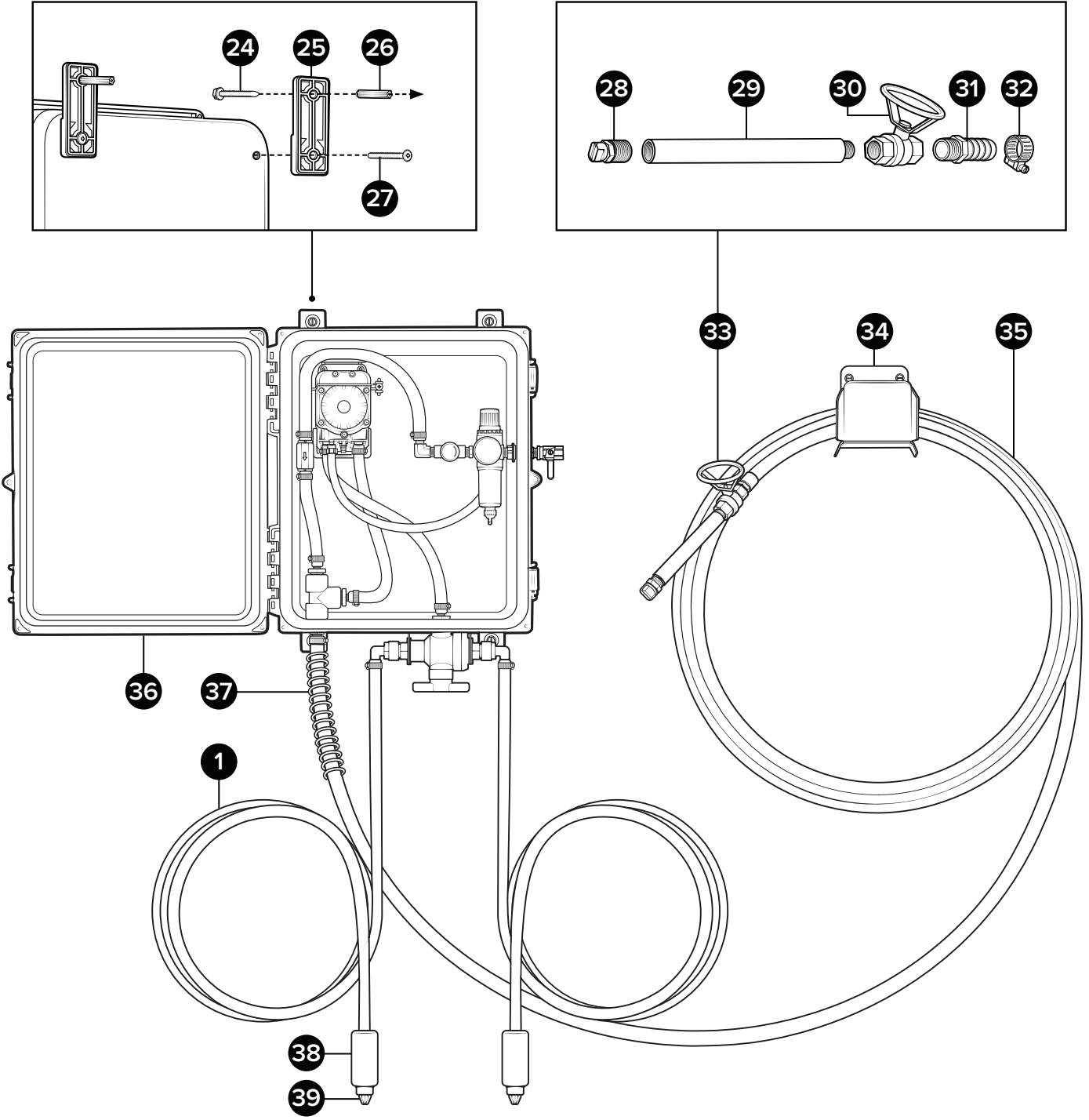
Troubleshooting

- Verify discharge hose is uncoiled properly, and there are no kinks that could obstruct fluid flow.
- Check air regulator bowl and air filter for debris such as water, oil, or rust particles. Clean by unthreading the air regulator bowl from the air regulator.
- If air passes through the pump without cycling, the pump needs to be replaced.
- Check proper air pressure on the air gauge. The air regulator is factory set at 50 psi (3.4 bar). Operating range is 40 to 80 psi (2.8 to 5.5 bar) with 5-10 CFM (141.6-283.2 l/min).
- Check chemical suction line and strainer for debris or damage. Clean or replace as needed. To prevent damage to the unit, strainer must always be used.
- If the unit operates at a reduced pressure:
 1. Check the air compressor supplying the unit. If the pressure is less than 40 psi (2.8 bar), turn the unit off until the compressor can catch up.
 2. If the air supply is 50 psi (3.4 bar) or above, check the air gauge, which should read near 50 psi (3.4 bar). If the air gauge reads more or less than 50 psi (3.4 bar), adjust the pressure by turning the knob on the top of the air regulator.

Service



Service



Service

Item number		Description
1	H38BL-F	¾ in. id blue hose - hybrid TPE - available per ft.
2	SSC38	Screw band clamp - stainless steel - for ¾ in. hose
3	HBSEL1438	Hose barb - stainless steel - elbow - ¼ in. MPT x ¾ in. barb
4	HBSEL1814	Hose barb - stainless steel - elbow - ½ in. MPT x ¼ in. barb
5	H14BL-F	¼ in. id blue hose - hybrid TPE - available per ft.
6	NV14	Needle valve - ¼ in. NPT - includes black knob
7	SN1414	Stainless hex nipple ¼ MPT x ¼ MPT
8	SSA14BKH	Bulkhead adapter - stainless steel - ¼ in. NPT x ¼ in. NPSM
9	SSSFN12	Serrated stainless steel flange nut - ½ in.
10	BVB14	Ball valve - brass - nickel plated - air inlet valve - ¼ in. FPT x ¼ in. FPT
11	AG100	Air gauge - ⅛ in. NPT - 100 PSI dry model
12	R25	Air regulator - two ¼ in. FPT ports - two ⅛ in. FPT ports - includes filter and bowl
13	P56	Pump with Santoprene seals - includes hose barbs, air fitting, and exhaust barb
14	CV38-AP	Check valve - ¾ in. barbs - PVC body - Hastelloy spring - Teflon ball - white
15	HB1238	Hose barb - polypropylene - ½ in. MPT x ¾ in. barb
16	T5	½ poly tee
17	HV50-3-BRKT	SS bracket for HV50-3
18	B103212-PH	Bolt - 10-32 x ½ in. - stainless steel - pan head Phillips
19	N1032	Nut - 10-32 - stainless steel
20	HBELF3838	Hose barb elbow ¾ in. by FPT ¾ in.
21	PN1238	½ in. MPT x ¾ in. MPT poly nipple
22	FW12NPT-THK	Flat washer for ½ in. NPT - thick - stainless - 0.88 in. id x 1.5 in. od x 0.12 in. thk
23	HV50-3	3-way ball valve - ½ in. - PP body - Teflon seats - Viton o-ring
24	WMS14	Wall mount screw - #14 x 1 ¼ in. - stainless steel - hex head slotted
25	PBFT-PP	Mounting feet for polybox - PB16138 - polypropylene
26	WMS14A	Wall mount screw anchor - #14 x 1 ¼ in. - plastic - ⅝ in. drill size
27	S1034-FH-HL	Screw - #10 x ¾ in. - stainless steel - flat head Phillips - hi-lo thread
28	ST80100SS	Spray tip - 80 degree - 10.0 GPM - stainless - ½ MPT
29	W12MF10	½ in. NPT and ½ in. FNPT wand - polished stainless - 10 in. long
30	BVSS12	Stainless ball valve - ½ in. NPT
31	HBSS1212	Hose barb - stainless steel - ½ in. MPT x ½ in. barb
32	SSC12	Screw band clamp - stainless steel - for ½ in. hose
33	SSWA1210-ST	Stainless wand assembly for ½ in. hose - 10 in. SS wand - spray tip - ball valve - hose barb and screw band clamp
34	WMA-HH	Wall mount bracket assembly - hose hanger - includes mounting hardware
35	HA12BL-50	Hose assembly - 50 ft. of ½ in. blue hose with hose barb and ferrule - no screw band clamp
36	PB16138-A	16 x 13 x 8 polypropylene control box assembly
37	AKSS12	SS anti-kink spring for ½ in. hose
38	SHW3	Suction hose weight - 1⅝ in. id x 1 ½ in. od x 3 ¼ in. long - PVC coated stainless
39	PRCH-FVPP-V	Foot valve - polypropylene body - Viton check valve - black

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