

BREWER COTE [®] *of Arizona*

Air Pump Spray Kit System 4

Model Number: BC-APK-4

Part Number: 480144

The 8 HP Honda Air Pump System gives you increased volume (over our 5.5 HP Unit) Even Spray Bar capability. This System is capable of spraying all types of emulsions And sand loading, the 1" Nomad "No Freeze" dual diaphragm pump performs.

FEATURES

1" Nomad Dual Diaphragm Pump
Large Capacity 2" Basket Type strainer
50' ³/₄" Spray Hose, 6' Aluminum Wand
1½" Ball Valve for Transfer
Pressure Regulator and Air Filter

SPECIFICATIONS

Weight	375 Lbs.
Height	45"
Width	25"
Length	55"

Pump

Nomad 1" Dual Diaphragm Non Freeze System
1 Year Manufacturer's Warranty

Engine

8 HP Honda Engine with Low Oil Shut Down
2 Year Manufacturer's Warranty

Air Compressor

Tank Size 8 Gallon
CFM 20 CFM @ 175 PSI
PSI Factory Sets at 125
1 Year Manufacturer's Warranty

"The Pavement Maintenance Specialists"

5226 W Missouri Avenue Glendale Arizona 85301

www.brewercoteaz.com Tel.623-931-3728 Toll 888-931-3728 Fax 623-842-0714 sales@brewercoteaz.com

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INSTRUCTIONS **Air Operated Dual Diaphragm Pump**

Crack Preparation

- 1 Clean Cracks thoroughly before filling, by removing all dust, dirt, vegetation, or any loose particles.
- 2 Use air pressure from compressor, air blower, router, or high pressure water to clean. If water is used, be Sure all standing water is removed before filling cracks.
- 3 For deep cracks, insert backer rod at a depth of ¼” to ½”.

Instructions for Pump Operation

- 1 All necessary safety clothing and goggles should be worn while operating and cleaning equipment.
- 2 Remove drum lid and place retrofitted lid on drum.
- 3 Be sure wand valve is closed completely.
- 4 Hook up air source.
- 5 Set pump Regulator at 80 PSI or less
- 6 Open circulation valve W/Wand closed. Allow product flow through system for 5 minutes.
- 7 Open wand Valve wide open. Close down circulation valve until you get desired flow out of wand.
- 8 When pump is not running, be sure intake tube is submerged in product. Place wand in 5 gallon pail of water when not in use – this will keep product from drying on wand or thickening within the system, causing blockage or reducing flow of product.

Trouble Shooting

- 1 **IF PUMP DOES NOT START UP:** Check air source.
- 2 **IF PUMP CONTINUES TO RUN WHEN ALL VALVES ARE SHUT OFF:** Check all connections for leaks. Check all bolts for tightness.

System Cleaning Requirements

- 1 You must have a 455 gallon drum at least 50% full of water for proper clean-up of pump system. Add 4 to 6 oz. of heavy duty soap to water.
- 2 Use a 5 gallon pail to catch the clean-out water.
- 3 Allow pump to run 5 minutes to clean product from pump and wand, flushing into container so clean-up Water can be disposed of properly.
- 4 After pump and hose/wand have been cleaned of all product, close wand completely, fully open circulation Valve, allow to flush 2 to 3 minutes within drum of water.
- 5 Proper Clean-up cannot be achieved unless water is pumped through system with air pump for 5 to 10 Minutes (The circulation of water with pump running should be done in the field.)
- 6 Remove pump/lid from water drum. Flush system with water hose until clean water comes out each opening, including hose/wand. (water hose flush can be done when you return to service yard.)
- 7 The system should never be stored without proper cleaning, not even over-night.
- 8 All clean-up materials should be disposed of properly.

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Specifications

Universal Aro-1 Air Operated Double Diaphragm Pump

This air operated double diaphragm pump should be the manufacturers current production model. This unit shall be capable of pumping and applying, without any further equipment modifications, all approved grades of cold applied asphalt rubber sealants, specification joint sealants and fiber modified sealants. All qualified bidders must have and maintain a complete inventory of repair parts as well as having experienced service personnel for this equipment. A factory trained person shall be made available for initial start-up and training in the operation of the pump.

Body Construction
Aluminum – Lube Free

Diaphragm
Buna

Drum Pump Kit
Polypropylene Suction Pipe
Steel Drum Lid w/hinge loading Hatch

Sealant Hose

Hose should be $\frac{3}{4}$ " inside diameter(I.D.) and not less than 25 ft in length, nylon braid reinforced with quick clamp disconnect to the pump. The hose is specifically manufactured for the handling of cold applied petroleum based product

Applicator Wand

The wand applicator shall be constructed of Steel with sufficient strength to stand up to normal day-to-day operation. It shall have two handles, one of which is connected to a quarter turn ball valve used to control flow material. Support handle to be attached to wand. A variety of nozzles are available and attachable to the applicator wand.

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NOMAD

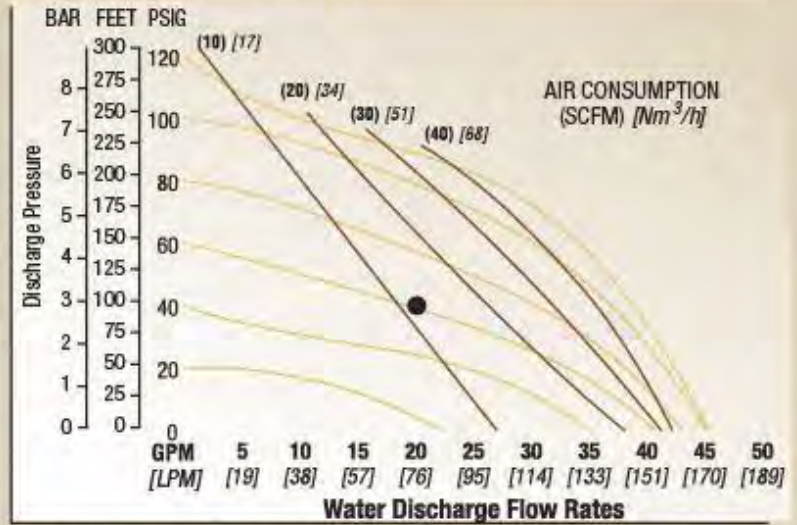
PERFORMANCE DATA

NPF25

1"



Air Inlet.....	6 mm (1/4")
Inlet.....	25 mm (1")
Outlet.....	19 mm (3/4")
Suction Lift.....	5.79 m Dry (19') 8.53 m Wet (28')
Displacement/Stroke.....	0.34 l (0.091 gal)*
Max. Flow Rate.....	170 lpm (45 gpm)
Max. Size Solids.....	3.2 mm (1/8")
Height.....	279 mm (11.0")
Width.....	267 mm (10.5")
Depth.....	201 mm (7.9")
Est. Ship Weight.....	Aluminum 12 kg (26 lbs) Stainless Steel 16 kg (36 lbs)



Flow rates indicated on chart were determined by pumping water.

For optimum life and performance, pumps should be specified so that daily operation parameters will fall in the center of the pump performance curve.

*Displacement per stroke was calculated at 70 psig (4.8 bar) air inlet pressure against a 30 psig (2 bar) head pressure

Example: To pump 76 lpm (20 gpm) against a discharge pressure head of 2.7 bar (40 psig) requires 4.1 bar (60 psig) and 22 Nm³/h (13 scfm) air consumption. (See dot on chart).

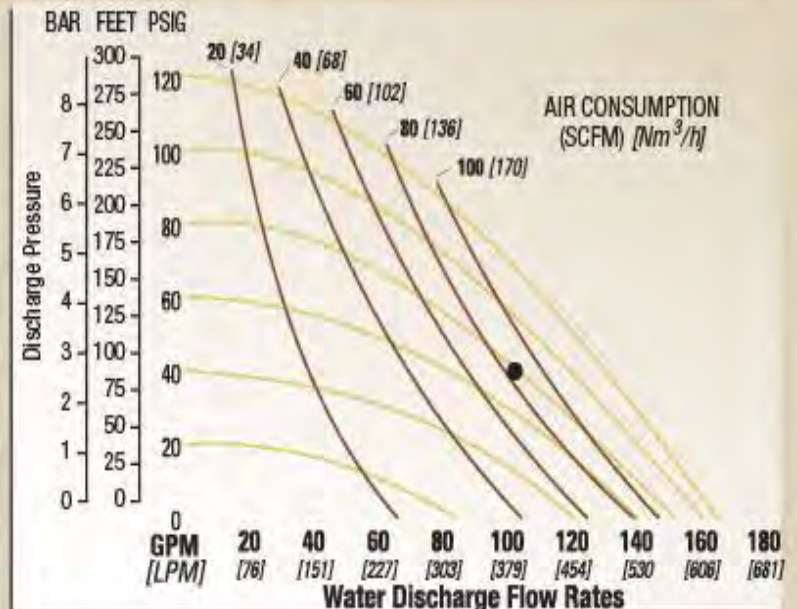
Caution: Do not exceed 8.6 bar (125 psig) air supply pressure.

NPF50

2"



Air Inlet.....	13 mm (1/2")
Inlet.....	51 mm (2")
Outlet.....	51 mm (2")
Suction Lift.....	6.9 m Dry (22.7') 8.6 m Wet (28.4')
Displacement/Stroke.....	2.6 l (0.70 gal)*
Max. Flow Rate.....	623 lpm (164.7 gpm)
Max. Size Solids.....	6.4 mm (1/4")
Height.....	668 mm (26.3")
Width.....	404 mm (15.9")
Depth.....	343 mm (13.5")
Est. Ship Weight.....	Aluminum 32 kg (70 lbs) 316 Stainless Steel 51 kg (112 lbs) Ductile 47 kg (104 lbs)



Flow rates indicated on chart were determined by pumping water.

For optimum life and performance, pumps should be specified so that daily operation parameters will fall in the center of the pump performance curve.

*Displacement per stroke was calculated at 70 psig (4.8 bar) air inlet pressure against a 30 psig (2 bar) head pressure

Example: To pump 102 GPM against a discharge pressure head 40 psig requires 80 psig and 85 scfm air consumption

Caution: Do not exceed 8.6 bar (125 psig) air supply pressure.