



TECHNICAL DATA

MONITOR MOUNTED NOZZLES MODEL PC 40, 50 & 60

1. PRODUCT NAME

Monitor Mounted Nozzles
Model PC-40, Viking Part Number F02157
Model PC-50, Viking Part Number F02158
Model PC-60, Viking Part Number F02159

2. MANUFACTURER

National Foam
P O Box 270
Exton PA 19341 U.S.A.
Telephone: (610) 363-1400
Fax: (610) 524-9073

3. PRODUCT DESCRIPTION

The PC-40, PC-50 & PC-60, Air Aspirating Foam Nozzles are designed to be mounted on fixed or portable monitors anywhere high capacity foam streams are required. The air aspirating design produces a superior foam, with all foam types, resulting in increased expansion and longer drainage times than non-air aspirating nozzles. This results in premium foam blanket performance and stability for safer operation. The adjustable pattern gives the operator precise control of the foam application. The nozzle can be supplied with flow rate choices of 400, 500 & 600 GPM (1514, 1893 & 2271 LPM) @ 150 PSI (10.3 Bar) inlet pressure.

4. TECHNICAL DATA

Materials of Construction:

- Brass Model
Foam Maker . . . . . Cast Brass, ASTM B-62
Discharge tube . . . . . Brass Tubing
Deflector . . . . . Cast Brass
Deflector Rod . . . . . Stainless Steel Tubing
Swivel Gasket . . . . . Buna N
Aluminum Model
Foam Maker . . . . . Cast Aluminum
Discharge Tube . . . . . Aluminum Tubing
Deflector Cast . . . . . Aluminum
Deflector Rod . . . . . Stainless Steel Tubing
Swivel Gasket . . . . . Buna N

Finish:

Abrasive Blast to SSPC-SP6. Chemical wash, rinse, and seal. Oven baked fusion coated polyester, 3 mils dry film thickness (DFT), gold (brass) or silver (aluminum) color

Working Pressure:

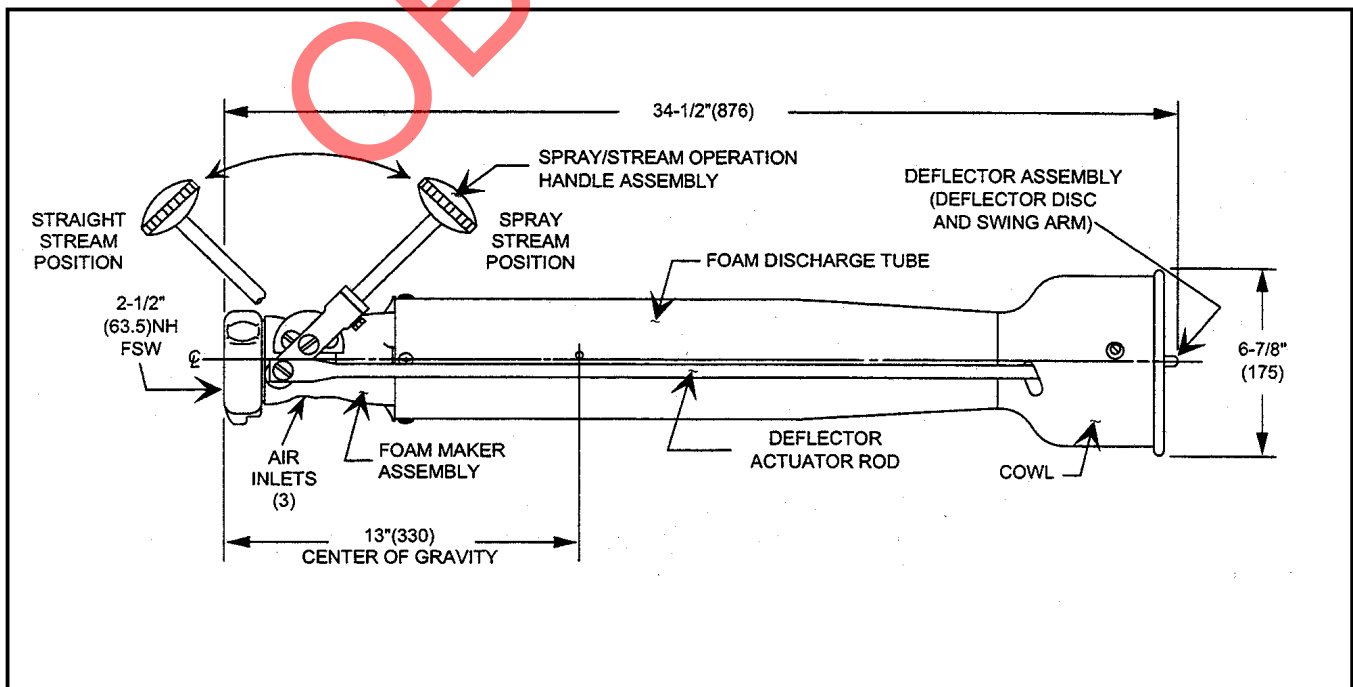
- Brass Model 150 PSI (10.3 Bar)
Aluminum Model 150 PSI (10.3 Bar)

Weight:

- Brass Model 22.5lbs (10.2 kg)
Aluminum Model 14lbs (6.4kg)

Option:

- Hydraulic Spray Actuator





**TECHNICAL DATA**

**MONITOR MOUNTED NOZZLES  
MODEL PC 40, 50 & 60**

**5. APPROVALS**

- UL Listed
- FM Approved
- USCG Approved
- New York City Board of Standards & Appeals

**6. FEATURES**

- High Capacity, air aspirating, monitor mounted foam nozzle.
- Excellent foam production with Protein, Fluoroprotein, AFFF & AR-AFFF type foams.
- Can be provided in lightweight aluminum construction or brass for superior corrosion resistance and wear.
- Fully adjustable pattern for straight stream / spray.
- Superior nozzle reach allows safe placement remote from the hazard.
- Suitable for operating pressures from 50 PSI to 150 PSI (3.5 Bar to 10.3 Bar).

**7. APPLICATIONS**

The PC-40, PC-50 & PC-60, Air Aspirating Foam Nozzles are commonly mounted on manuals, oscillating or remote controlled monitors and used for protection of product storage tanks, dike protection, process areas and loading racks. They can also be used in marine applications such as tankers & barges, chemical carriers, fire boats, docks and offshore platforms. They are also used on fire apparatus, foam pumpers, foam trailers and aerial apparatus.

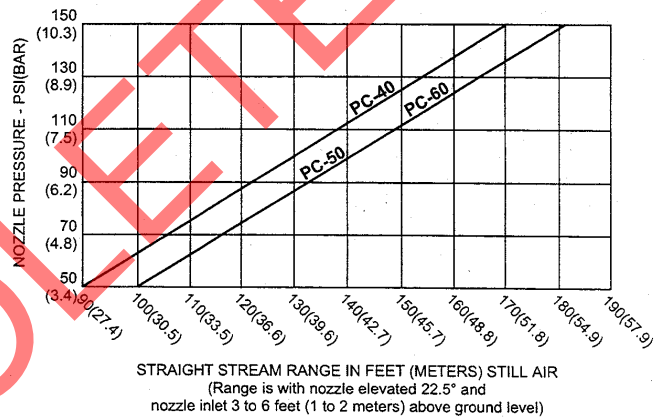
**8. SPECIFICATIONS**

The PC Type Nozzle shall be a monitor mounted air aspirated design for use with all types of foam concentrates. The air-aspirating design shall produce superior foam, with all foam types, resulting in increased expansion and longer drainage times than can be achieved with non-air aspirating nozzles. The adjustable pattern gives the operator precise control of the foam application. The nozzle can be supplied with flow rate choices of 400, 500 & 600 GPM (1514, 1893 & 2271 LPM) @ 150 PSI (10.3 Bar) inlet pressure and shall be suitable for use with all foam concentrates.

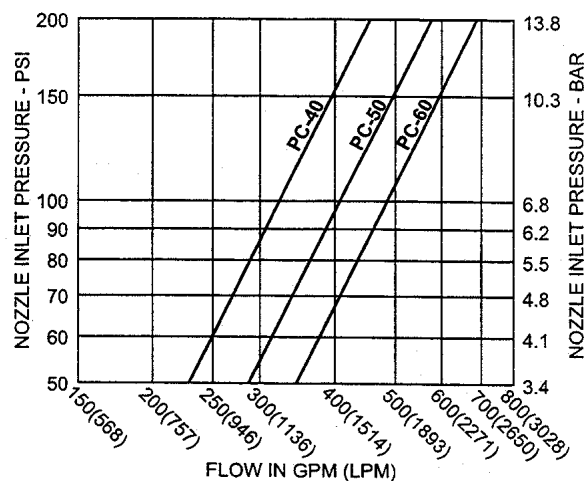
The nozzle shall be fabricated as required with either a cast aluminum foam maker and aluminum discharge tube or cast brass foam maker and brass discharge tube, for superior corrosion resistance and wear. It can also be fabricated with a cast brass foam maker and brass discharge tubes for superior corrosion resistance and wear. The discharge tube shall be fabricated from

seamless tubing shaped to provide optimum performance. The orifice shall be a shaped jet to improve the efficiency of the nozzle. Orifice shall be removable and held in place with a snap ring. Nozzle shall have a 2-1/2" FNH swivel inlet manufactured of hard coat anodized aluminum or brass.

The nozzle shall be UL Listed, F.M. Approved, USCG Approved and approved by New York City Board of Standards & Appeals.



**RANGE CHARACTERISTICS OF STRAIGHT STREAM NOZZLES**



**WATER OR FOAM SOLUTION NOZZLE DISCHARGE CHARACTERISTICS**