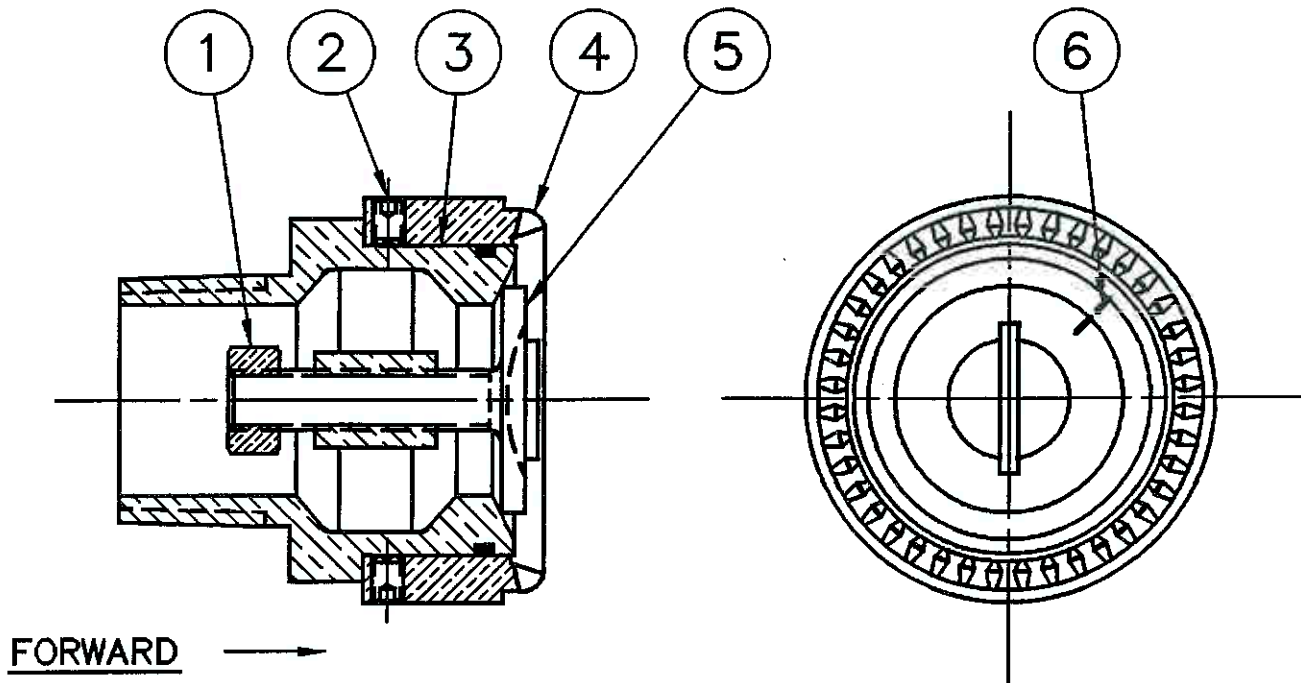




## **INSTALLATION INSTRUCTIONS**

1. Filter or screen water supplied to nozzle to capture all particles 1/8 inch or greater in size.
2. Flow is set at the factory. If adjustment is necessary, see “adjusting flow” in instruction sheet 98100000.
3. Apply a suitable thread sealant.
4. Thread nozzle onto the pipe connection.
5. Tighten securely with an appropriate wrench.
6. Open water valve slowly to prevent possible water hammer occurrence.
7. Spray pattern is set at the factory. If adjustment is necessary, see “adjusting spray pattern” in instruction sheet 98100000.

**NTS-C, NTL-C, & NT-C FIXED FOG NOZZLES**  
**SETTING INSTRUCTIONS**



**ADJUSTING FLOW**

1. LOOSEN LOCK NUT (1) AND SCREW STEM (5) DOWN SNUGLY AGAINST BODY (3).
2. PUT A REFERENCE MARK ON BOTH THE STEM AND BODY (6).
3. CONSULT GRAPH FOR NUMBER OF TURNS FROM CLOSED FOR DESIRED FLOW OR "K" FACTOR.
4. USING REFERENCE MARKS, BACK STEM (5) OUT THE NUMBER OF TURNS DETERMINED IN STEP 3.
5. HOLDING STEM IN PLACE TIGHTEN LOCK NUT (1).

**ADJUSTING SPRAY PATTERN**

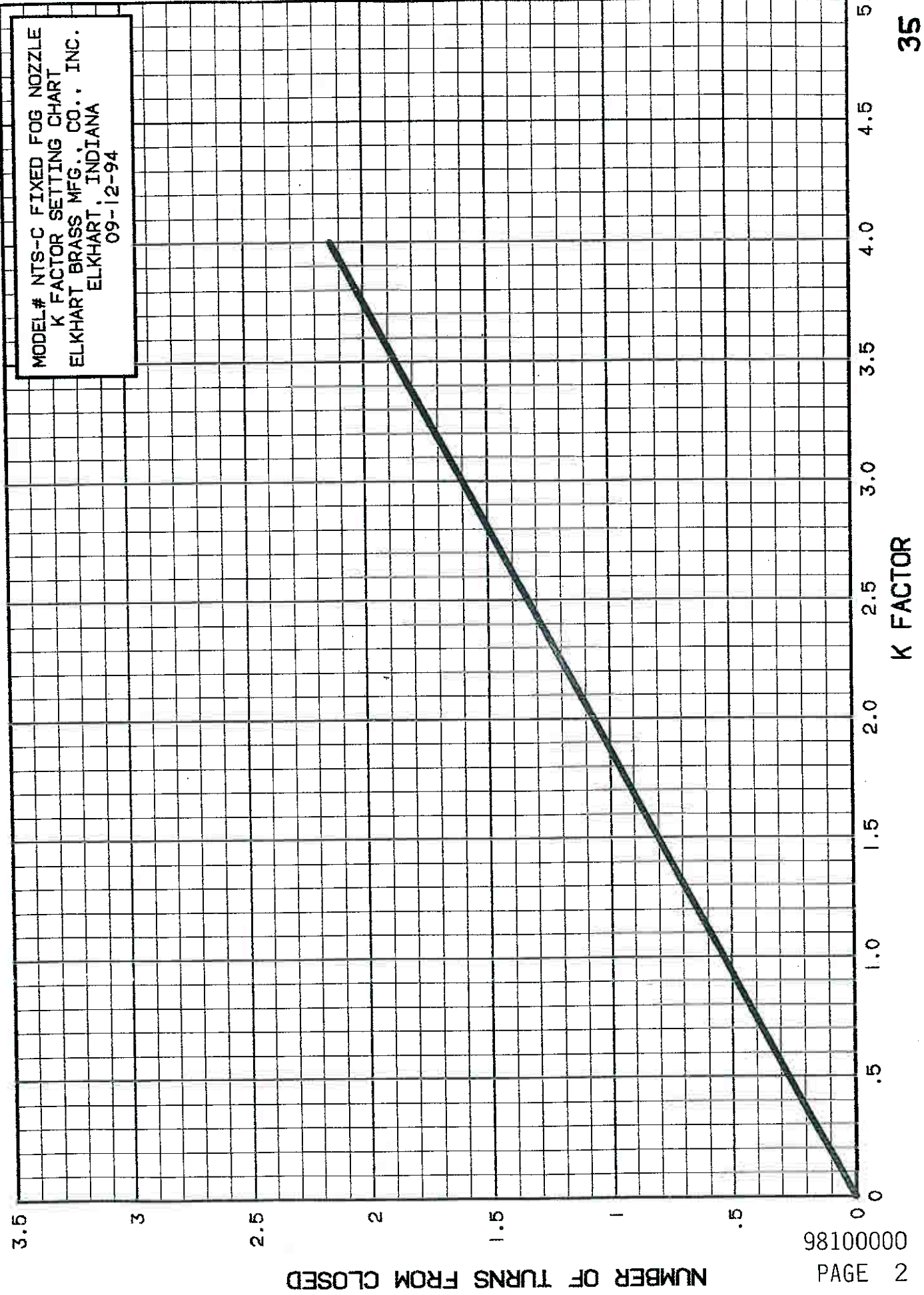
1. LOOSEN SET SCREWS (2) AND SLIDE TIP (4) FORWARD FOR A STRAIGHTER PATTERN OR BACK FOR A WIDER PATTERN THEN TIGHTEN BOTH SET SCREWS TO SECURE POSITION. (MAKE SURE SET SCREW CONTACT WITH BODY REMAINS BEHIND O-RING.)

P = PRESSURE (PSI)  
 Q = FLOW RATE (GPM)  
 K = CONSTANT FACTOR

$$Q = K \sqrt{P}$$

$$\frac{Q}{\sqrt{P}} = K$$

$$\left(\frac{Q}{K}\right)^2 = P$$

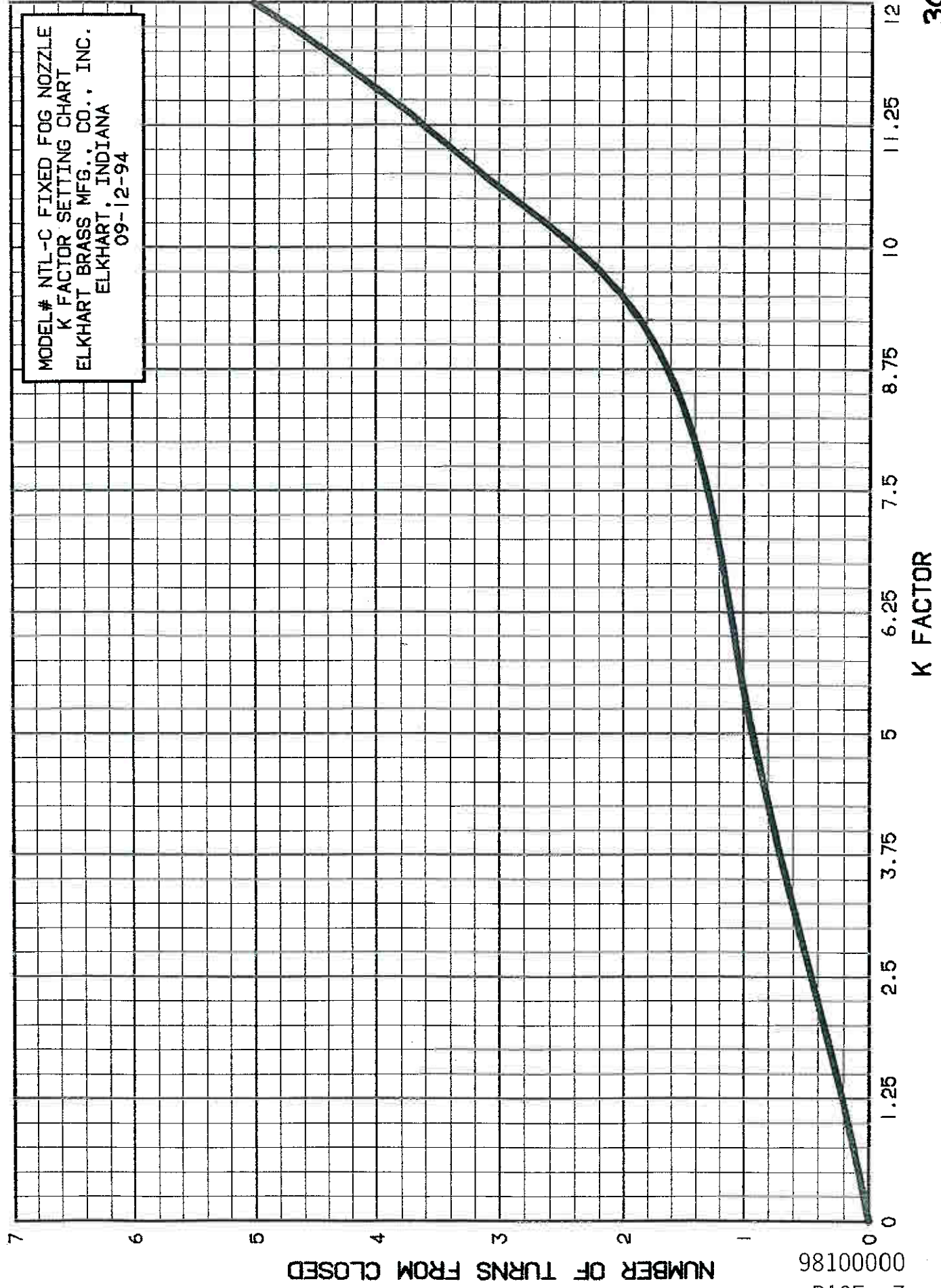


P = PRESSURE (PSI)  
 Q = FLOW RATE (GPM)  
 K = CONSTANT FACTOR

$$Q = K \sqrt{P}$$

$$\frac{Q}{\sqrt{P}} = K$$

$$\left(\frac{Q}{K}\right)^2 = P$$

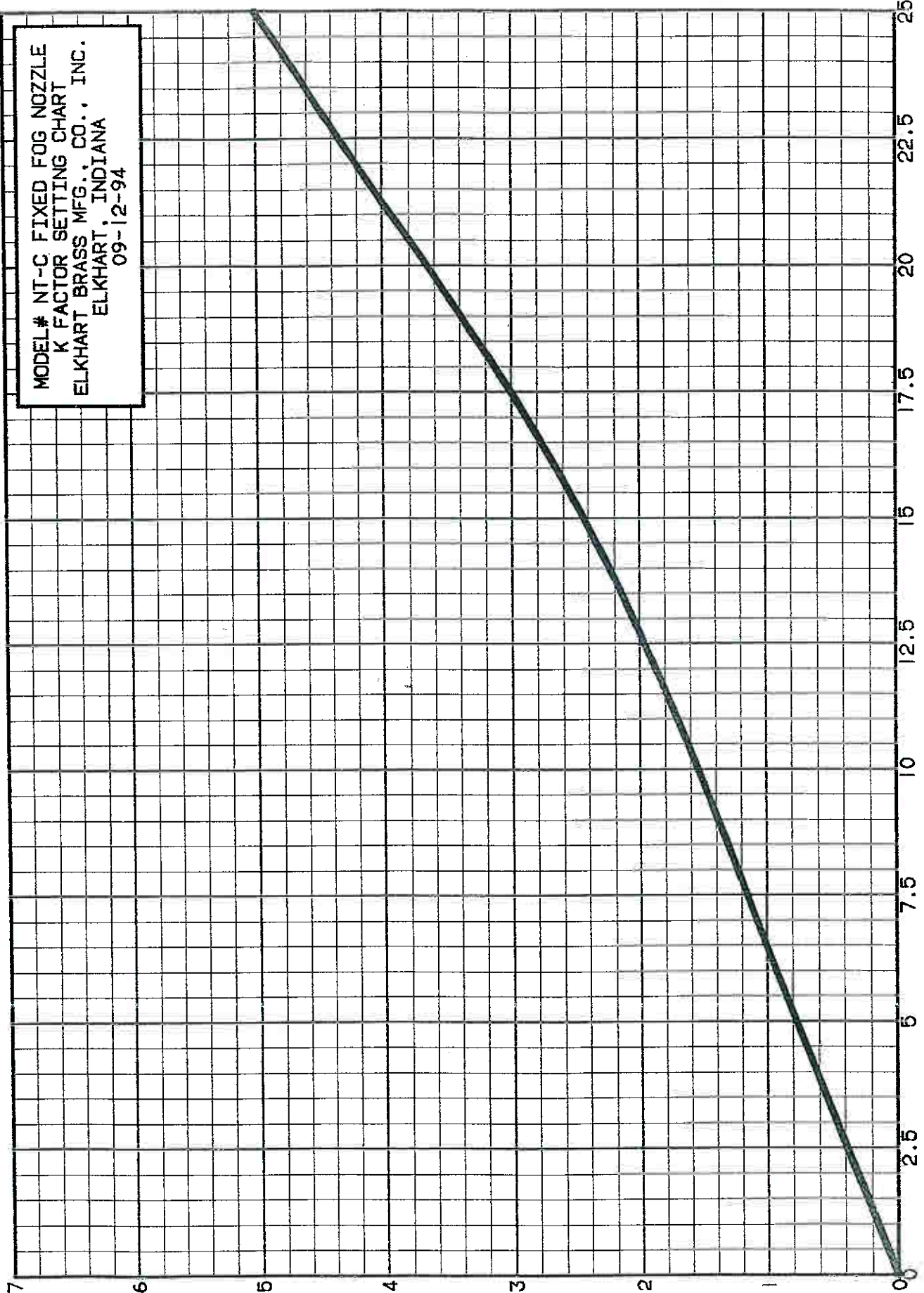


P = PRESSURE (PSI)  
 Q = FLOW RATE (GPM)  
 K = CONSTANT FACTOR

$$Q = K \sqrt{P}$$

$$\frac{Q}{\sqrt{P}} = K$$

$$\left(\frac{Q}{K}\right)^2 = P$$



MODEL# NT-C FIXED FOG NOZZLE  
 K FACTOR SETTING CHART  
 ELKHART BRASS MFG., CO., INC.  
 ELKHART, INDIANA  
 09-12-94