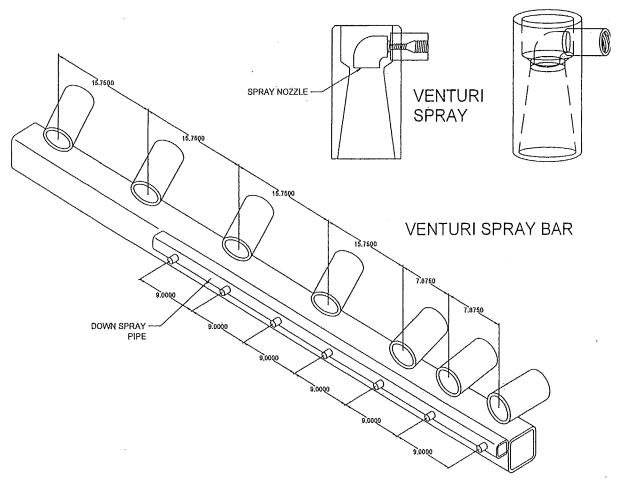
#### 7.4 - M.M.U. 00 -0: Alternate Longwall Shearer - Headgate Spray Arm



Type of Water Sprays (or equivalent) and quantity of water at pressure specified:

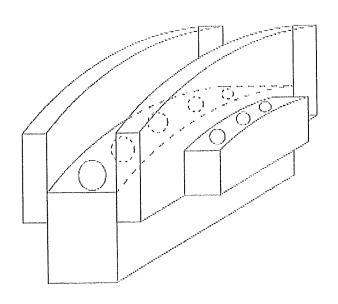
<u>Location</u>	Spray Type	<u>Pressure</u>	<u>Flow</u>	Minimum Operating
Top Top Top	SS GG3009 Fulljet SS HH 6.5 SS HH 9.5	80 psi 80 psi 80 psi	1.3 gpm 1.7 gpm 2.6 gpm	5 out of 7 sprays
Down	<b>SS</b> K 5 Floodjet K7,5 Floodjet	N/A N/A	N/A N/A	No more than 2 sprays out in a row No more than 2 sprays out in a row

#### Operating water quantity: 80 gpm

NOTE: \*\*10 HG and 10 TG Ranging arm sprays will be removed while operating this spray arm.

<sup>\*\*</sup>Belt or neoprene rubber will be provided to cover down sprays only (spray support arm down).

<sup>\*\*</sup>Alternate Spray Arm can be used on 00 0 M.M.U. and 00 0 M.M.U.

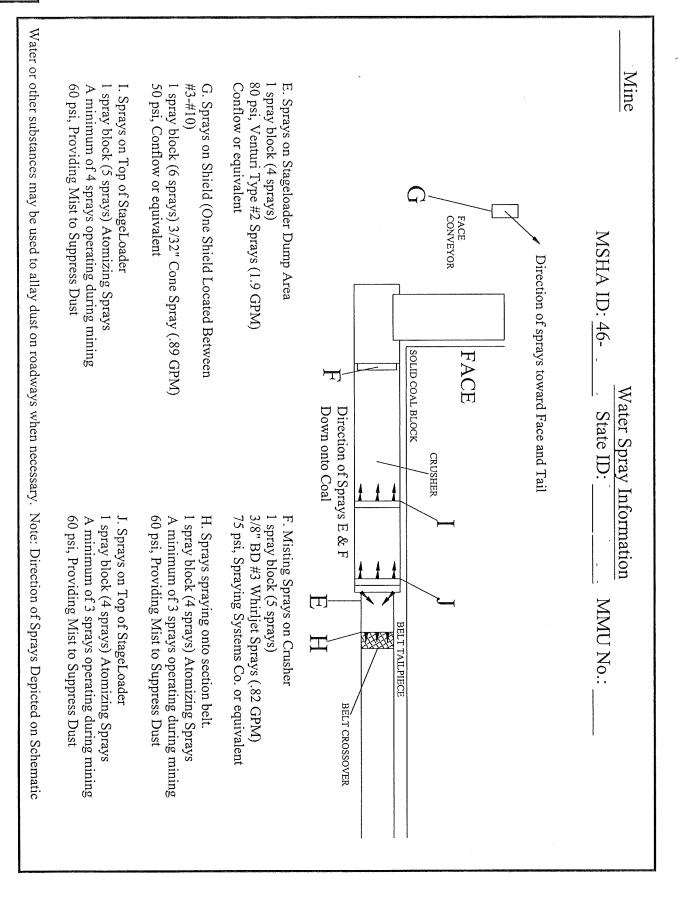


### Type of Water Sprays (or equivalent)

	The second second	The state of the s
Spray Type		Minimum Operating
Spraying Systems	GG3009	Minimum of 3 operating sprays
Spraying Systems	HH9.5	**Every other spray must operate
Spraying Systems	HH 5	
Spraying Systems	HH6.5	
Spraying Systems	BD3	*** 2 of 3 sprays must operate in the
Spraying Systems	BD5	side 3 spray block.
-I - V - V		11 11 11 11 11 11 11 11 11 11 11 11 11

<sup>\*\*</sup>Minimum operating pressure shall not be less than 100psi.

<sup>5</sup> Port End Spray: Operated with the 7 Port Spray Arm only \*\*Minimum operating pressure shall not be less than 100psi.



# 5 SPRAY MANIFOLD 5 SPRAY MANIFOLD (Spays will be angled to direct water towards crusher) STAGELOADER/CRUSHER DUST CONTROL A,F.C. 5 SPRAY MANIFOLD CRUSHER 4 SPRAY MANIFOLD 5 SPRAY MANIFOLD SYSTEM BELT 4 SPRAY MANIFOLD 4 SPRAY MANIFOLD

Type X Trim Jet 3/8'

\*Tatal Number of Sprays: 32
\*Minimum Operating Water Spray Pressure: 80 psi at spray unless atherwise indicated. \*All sprays are Type A (as shown in the table above) unless otherwise indicated. \*No more than 1 spray out per manifold unless otherwise indicated.

NO SCALE

#### 610 1912/\* VENTURI

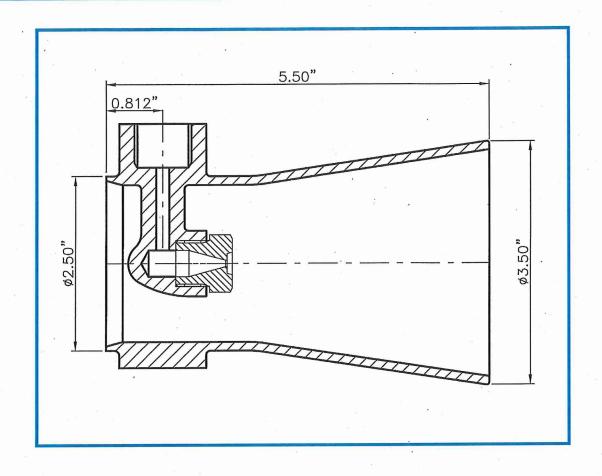


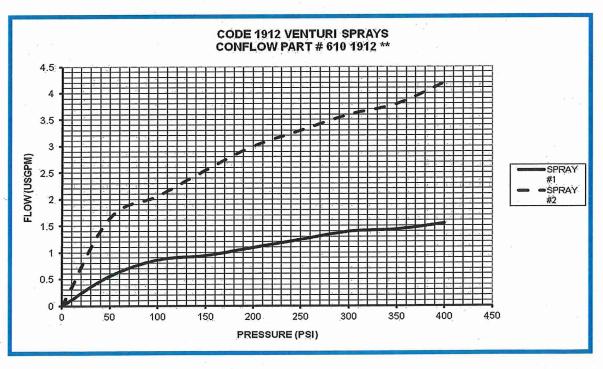
# CONE VENTURI PROVIDES MAXIMUM AIR MOVEMENT FOR IMPROVED VENTILATION AND DUST SUPPRESSION



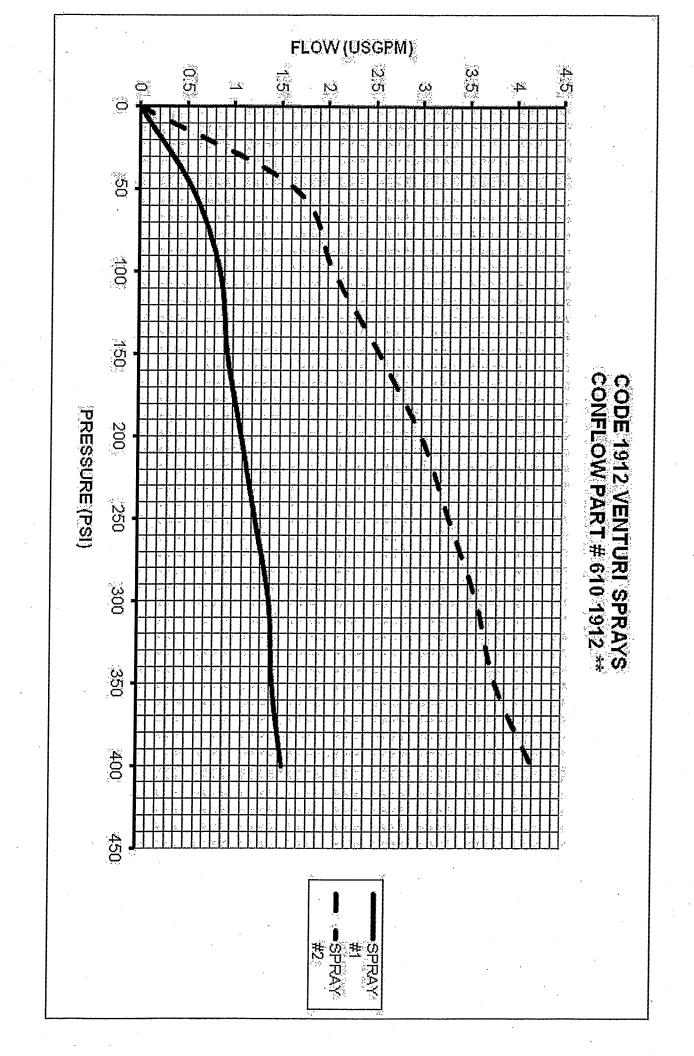
Designed to provide air movement and dust suppression on cutting machines, conveyor belts or chutes.

- Design provides for maximum air movement and maximum throw using principle of venturi.
- . Maximum working pressure of 1,500 p.s.i.
- Incorporates brass spray with options on orifice size to suit conditions.
- 1/2" NPT port .
- . Cast bronze body for corrosion protection.
- . Suitable for use on cutting machines as part of ventilation system and dust suppression.
- Effective dust control system for use on belt transfer points, run of conveyor or feeder breakers.





FOR ADDITIONAL TECHNICAL INFORMATION OR ORDERING, PLEASE CONTACT CONFLOW INC. - PHONE (724) 746-0200 - FAX (724) 746-0940 E-MAIL — sales@conflowusa.com



#### Other Helpful Resources

#### Spray Technology Reference Guide: Understanding Drop Size Bulletin 459C

36-page educational guide takes an in-depth look at atomization, drop size measurement techniques, analyzers, data collection and analysis and more.



### Industrial Spray Products Catalog 70

Full-line catalog including spray nozzles and accessories, technical data and problem solving ideas.



## Optimizing Your Spray System Technical Manual 410

52-page handbook explains how to evaluate your spray system, uncover and solve costly problems, improve quality, reduce maintenance time and more.



#### Change the Way You Spray to Minimize Clogging White Paper 100

A wide range of solutions to costly clogging problems are addressed in this technical article.



#### **Technical Resources**

Clothes Cleaning Process, DVD and Instructional Materials, National Institute for Occupational Safety and Health (NIOSH)



Available for download:

http://www.cdc.gov/niosh/mining/products/product21.htm



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