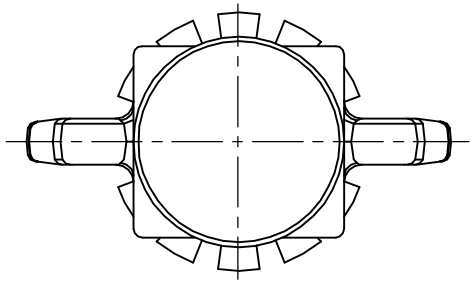
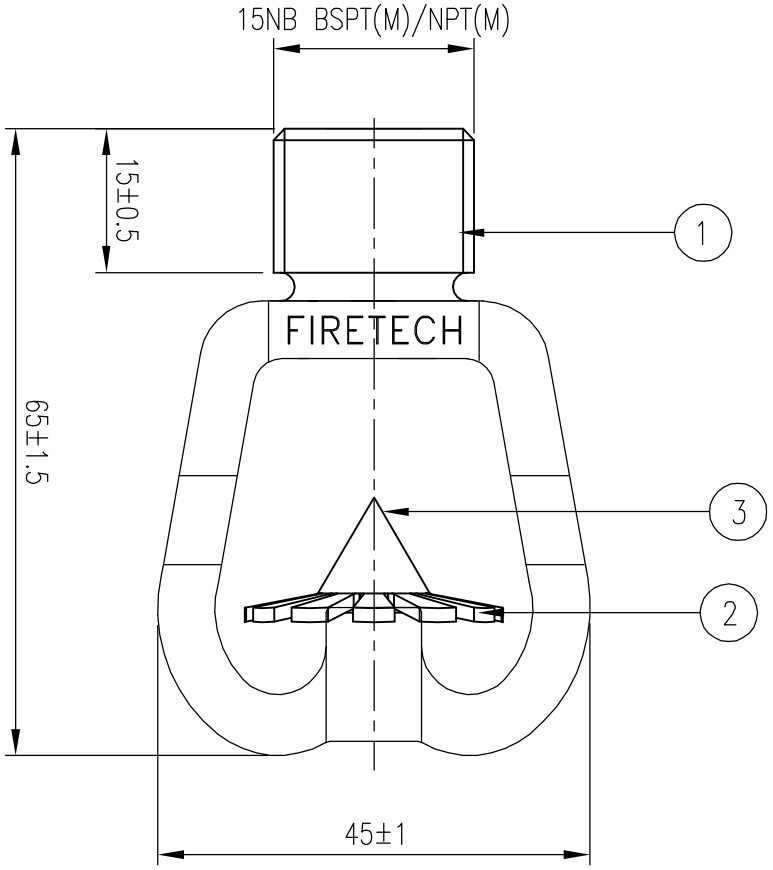
UL LISTED





TECHNICAL DETAILS:-

SPRAY ANGLES 90°,120°140° (OTHER ANGLES CAN BE MADE AVAILABLE AS PER REQUIREMENT)	'K' FACTOR AVERAGE BETWEEN 1.4–3.5 BAR	
	METRIC	US
WORKING PRESSURE 1.4–3.5 BAR	K–18	1.26
	K–22	1.54
WEIGHT – 0.095 KG (APPROX.)	K–30	2.10
	K–35	2.45
K FACTOR = $\frac{\text{FLOW IN LPM}}{\sqrt{\text{PRESSURE}}}$	K–41	2.87
	K–51	3.57
	K–64	4.48
	K–79	5.53
	K–91	6.37
	K–102	7.14

FINISH	BRASS– NATURAL FINISH/ CHROME PLATED NICKEL/ELECTROLESS NICKEL PLATED/EPOXY POWDER COATED.
MARKING	MFG.NAME OR IDENTIFYING SYMBOL OF THE MFG,K–FACTOR,ANGLE&MODEL
END CONNECTION	1/2" BSPT(M) 1/2" NPT(M)(OPTIONAL)
APPROVAL	UL LISTED
ORDERING INFORMATION	SPECIFY K–FACTOR, SPRAY ANGLE, FINISH, MODEL AND END CONNECTION

NOTE.:-

1. ALL DIMENSIONS ARE IN mm,UNLESS OTHERWISE SPECIFIED.

MEDIUM VELOCITY WATER SPRAY NOZZLE

MODEL	SIZE	MATERIAL OF CONSTRUCTION
MVB	15NB	BRASS

SR.NO.	DESCRIPTION	MATERIAL GRADE
03	PIN	BRASS,IS:291 Gr.–1
02	DEFLECTOR	BRASS IS:2768
01	BODY	BRASS,IS:291 Gr.–1

MATERIAL OF CONSTRUCTION

TITLE:–G.A.DRAWING OF MEDIUM VELOCITY WATER SPRAY NOZZLE

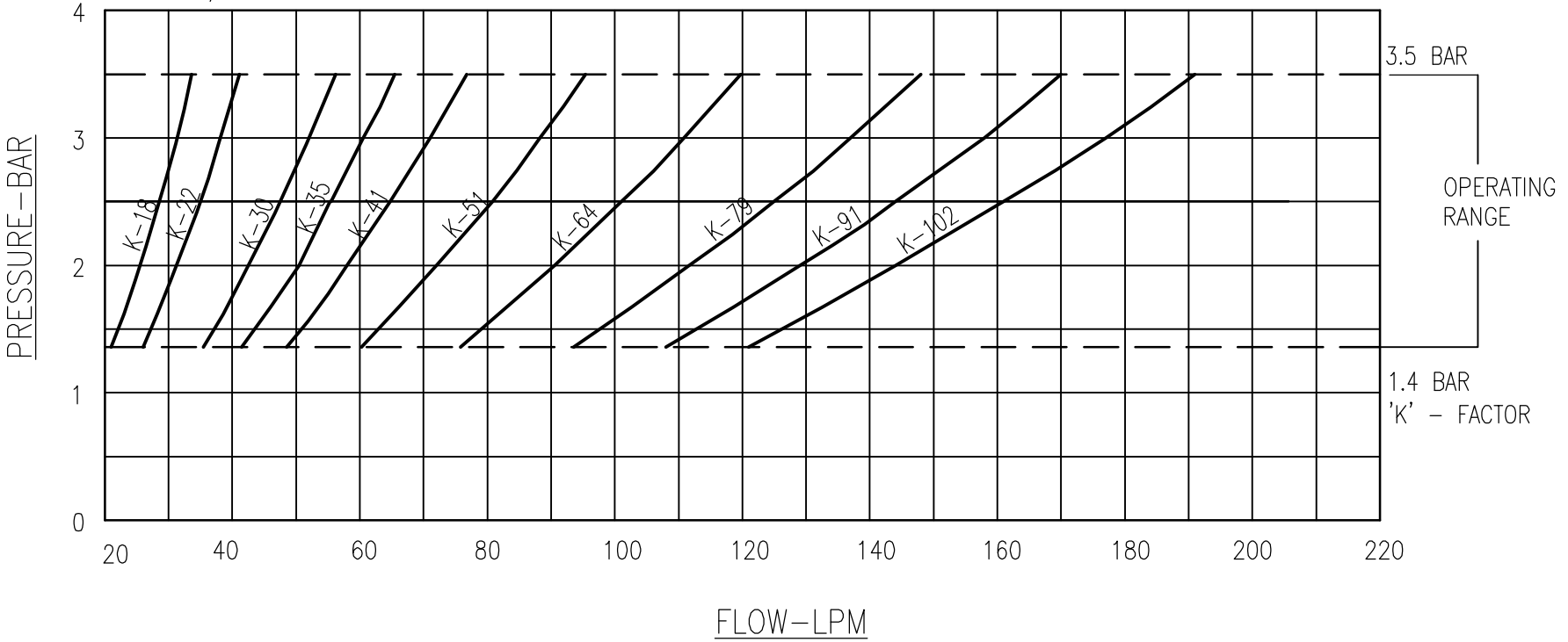
2020	NAME	DATE
DESIGNED	KMR	16.01.20
DRAWN	MBC	16.01.20
CHECKED	SC	16.01.20
APPROVED	KMR	16.01.20
SHEET NO.	01 OF 05	

FIRETECH EQUIPMENT & SYSTEMS PRIVATE LIMITED MUMBAI-400 078, INDIA

DRAWING NO.	REV.
702–MKT–A1–B	1

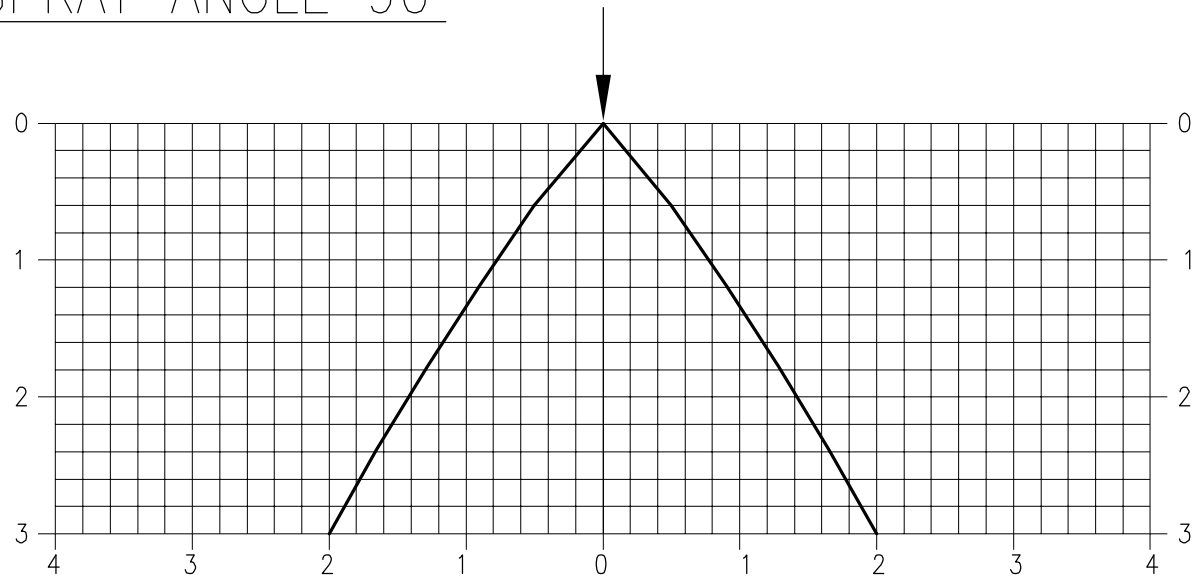
UL LISTED

FLOW V/S PRESSURE GRAPH

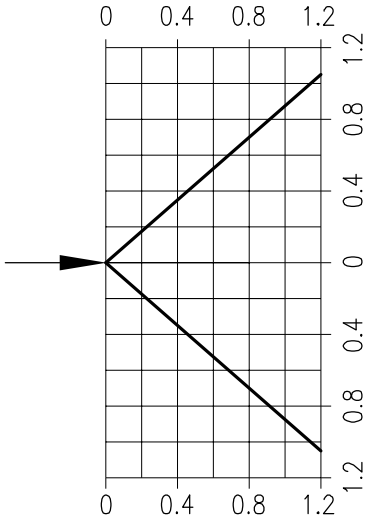


TITLE:-DISCHARGE CHARACTERISTICS OF MEDIUM VELOCITY WATER SPRAY NOZZLE	2020	NAME	DATE
	DESIGNED	KMR	16.01.20
	DRAWN	MBC	16.01.20
	CHECKED	SC	16.01.20
	APPROVED	KMR	16.01.20
	SHEET NO.	02 OF 05	
FIRETECH EQUIPMENT & SYSTEMS PRIVATE LIMITED MUMBAI-400 078, INDIA	DRAWING NO.		REV.
	702-MKT-A1-B		1

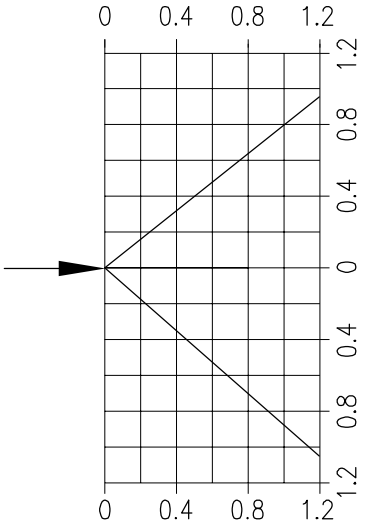
SPRAY ANGLE 90°



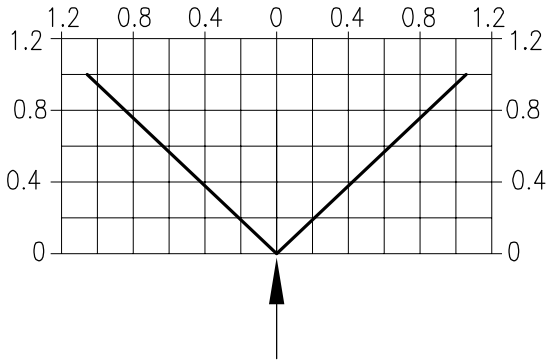
VERTICAL DOWNWARD SPRAY



HORIZONTAL SPRAY
TOP VIEW



HORIZONTAL SPRAY
SIDE VIEW



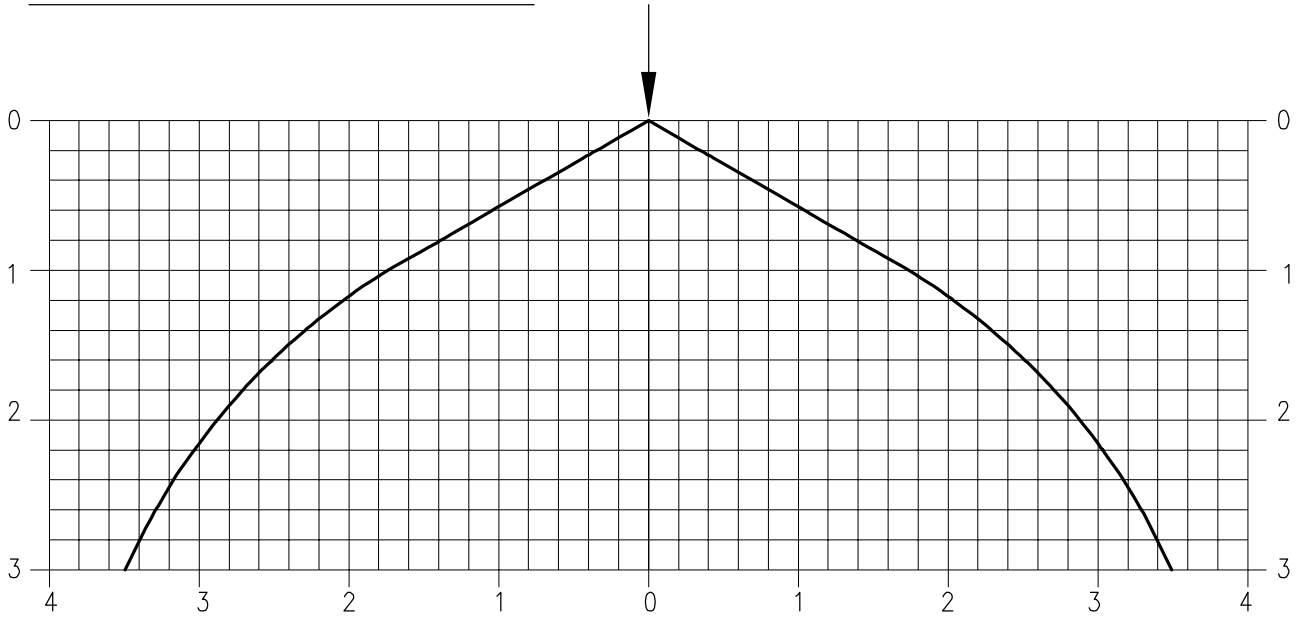
VERTICAL UPWARD SPRAY
SIDE VIEW

NOTE:

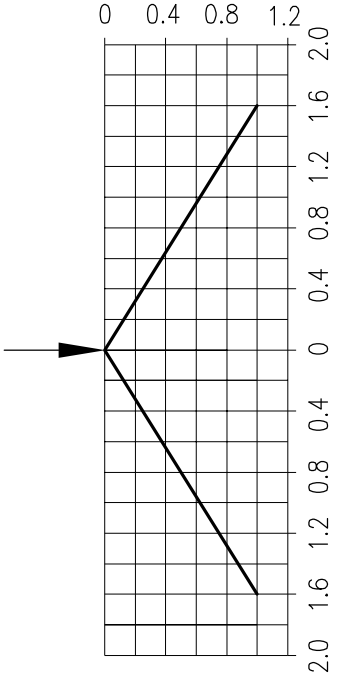
1. ALL DIMENSIONS ARE IN METERS.
2. THE SPRAY PATTERN GIVEN IN GRAPH IS FOR SPRAY ANGLE OF 90 DEG, AT NOZZLE INLET PRESSURE OF 1.4 TO 3.5 BAR.
3. TEST SPRAY PATTERN OBTAINED IS IN STILL AIR CONDITION.

TITLE:–SPRAY PATTERN OF MEDIUM VELOCITY WATER SPRAY NOZZLE	2020	NAME	DATE
	DESIGNED	KMR	16.01.20
	DRAWN	MBC	16.01.20
	CHECKED	SC	16.01.20
	APPROVED	KMR	16.01.20
	SHEET NO.	03 OF 05	
FIRETECH EQUIPMENT & SYSTEMS PRIVATE LIMITED MUMBAI-400 078, INDIA	DRAWING NO.		REV.
	702–MKT–A1–B		1

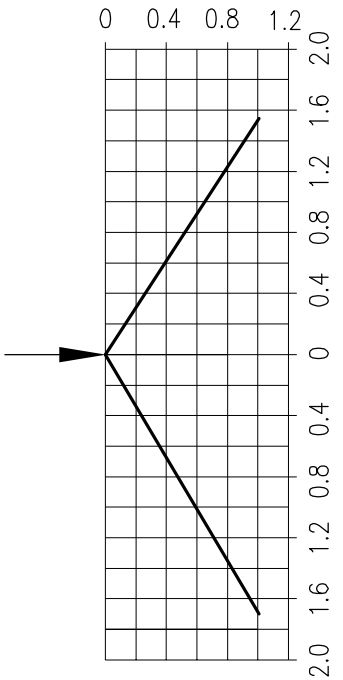
SPRAY ANGLE 120°



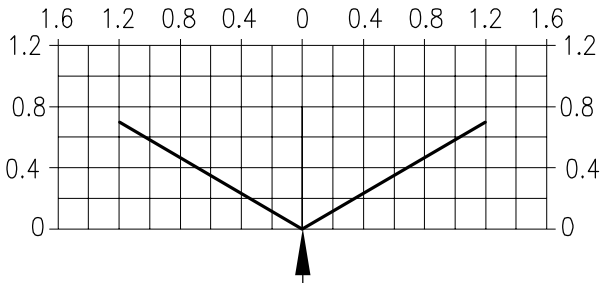
VERTICAL DOWNWARD SPRAY



HORIZONTAL SPRAY
TOP VIEW



HORIZONTAL SPRAY
SIDE VIEW



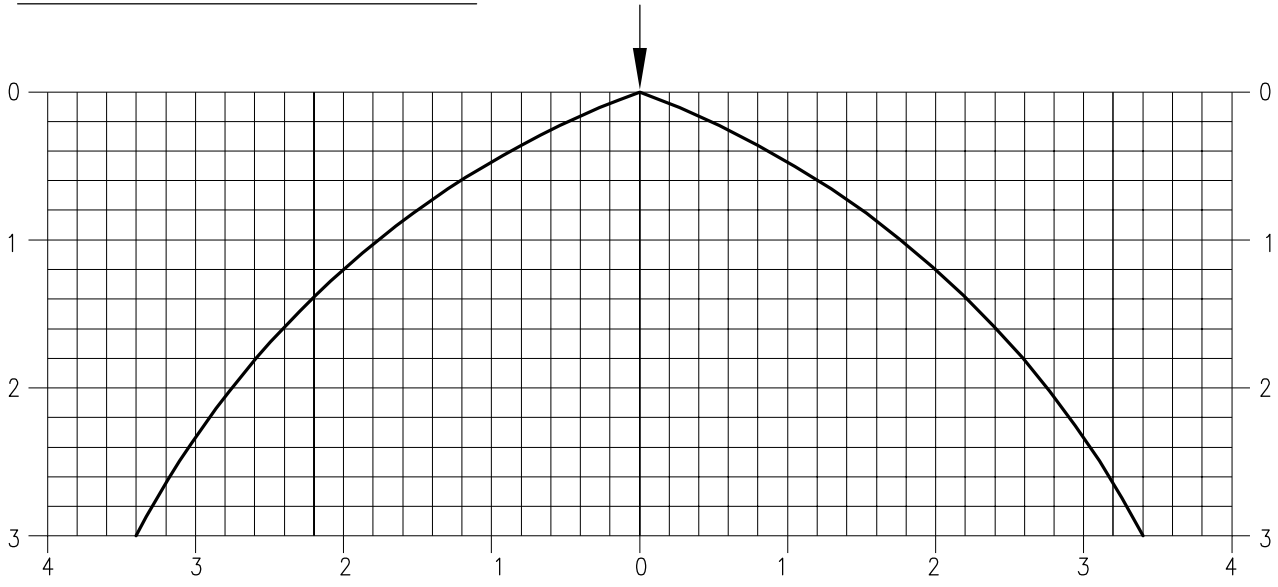
VERTICAL UPWARD SPRAY
SIDE VIEW

NOTE:

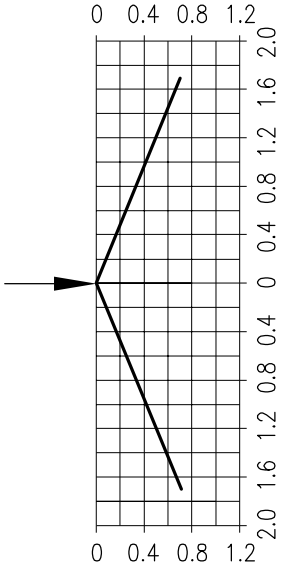
1. ALL DIMENSIONS ARE IN METERS.
2. THE SPRAY PATTERN GIVEN IN GRAPH IS FOR SPRAY ANGLE OF 120 DEG, AT NOZZLE INLET PRESSURE OF 1.4 TO 3.5 BAR.
3. TEST SPRAY PATTERN OBTAINED IS IN STILL AIR CONDITION.

TITLE:–SPRAY PATTERN OF MEDIUM VELOCITY WATER SPRAY NOZZLE	2020	NAME	DATE
	DESIGNED	KMR	16.01.20
	DRAWN	MBC	16.01.20
	CHECKED	SC	16.01.20
	APPROVED	KMR	16.01.20
	SHEET NO.	04 OF 05	
FIRETECH EQUIPMENT & SYSTEMS PRIVATE LIMITED MUMBAI-400 078, INDIA	DRAWING NO.		REV.
	702–MKT–A1–B		1

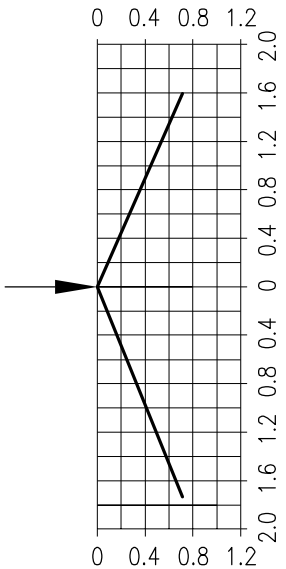
SPRAY ANGLE 140°



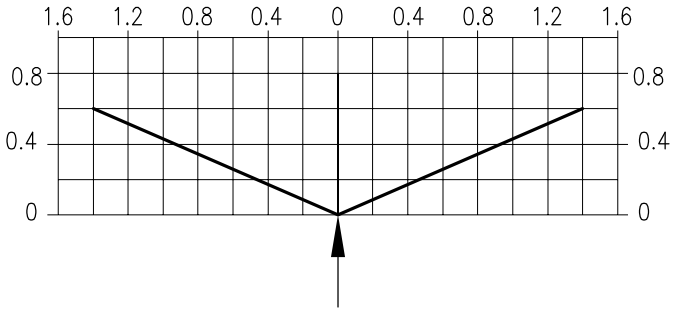
VERTICAL DOWNWARD SPRAY



HORIZONTAL SPRAY
TOP VIEW



HORIZONTAL SPRAY
SIDE VIEW



VERTICAL UPWARD SPRAY
SIDE VIEW

NOTE:

1. ALL DIMENSIONS ARE IN METERS.
2. THE SPRAY PATTERN GIVEN IN GRAPH IS FOR SPRAY ANGLE OF 140 DEG, AT NOZZLE INLET PRESSURE OF 1.4 TO 3.5 BAR.
3. TEST SPRAY PATTERN OBTAINED IS IN STILL AIR CONDITION.

TITLE:–SPRAY PATTERN OF MEDIUM VELOCITY WATER SPRAY NOZZLE	2020	NAME	DATE
	DESIGNED	KMR	16.01.20
	DRAWN	MBC	16.01.20
	CHECKED	SC	16.01.20
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FIRETECH EQUIPMENT & SYSTEMS PRIVATE LIMITED MUMBAI-400 078, INDIA	DRAWING NO.		REV.
	702–MKT–A1–B		1