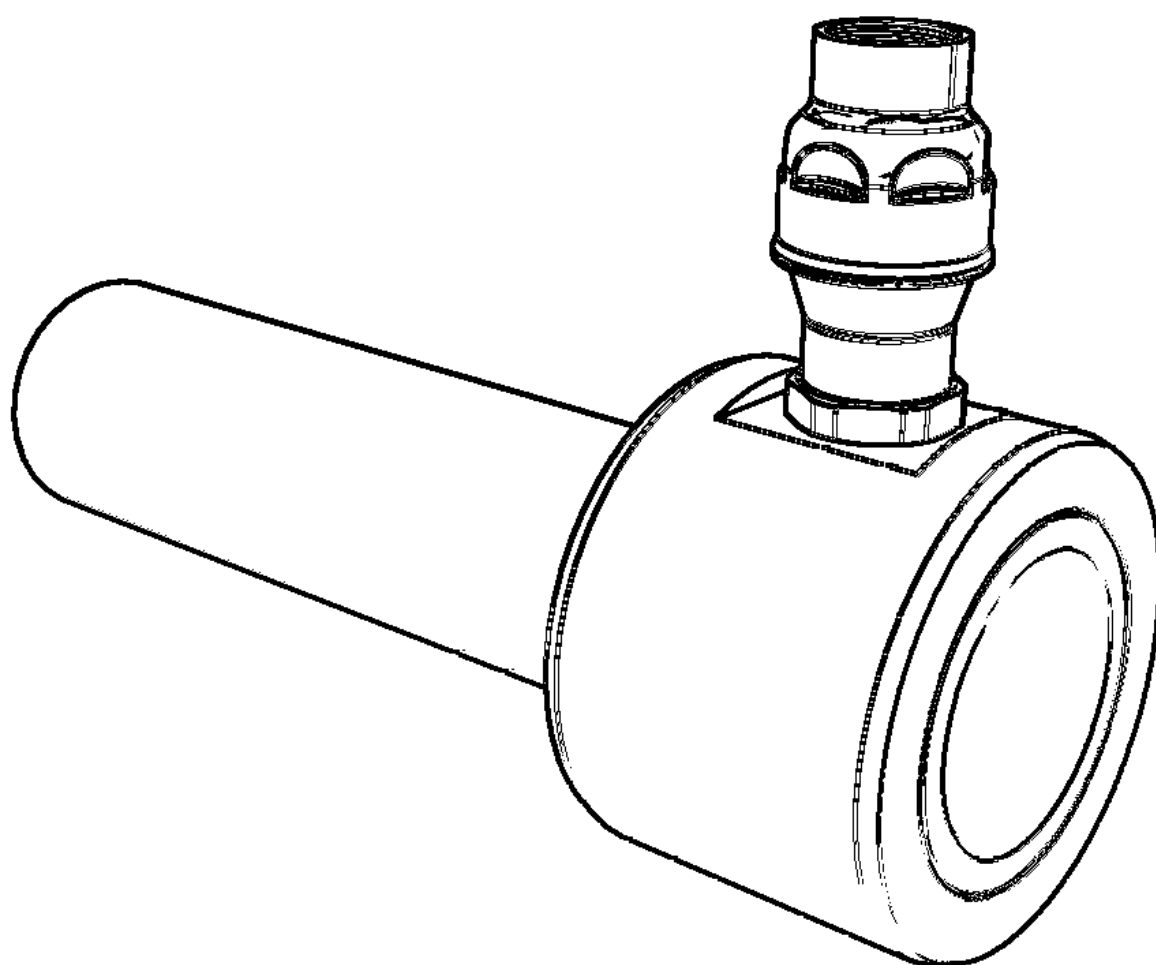


Data sheet for

MATRE WAFER INDUCTOR





Datasheet for MATRE® Wafer Inductor

Contents

1	Description	3
2	Conformity and approvals.....	3
3	Models.....	3
4	Dimensions and interfaces.....	4





1 Description

A complete wafer housing design with POM nozzles. To be calibrated to any custom required flow, pressure and insertion rate within design range. For installation between ANSI 150 lb or DIN PN16 flanges.

Characteristics	Standard
Material	AISI316
Interface for water supply	ANSI 150# / DIN PN16
Interface for foam supply	1" – 2" BSPP F
Design pressure	16 bar
Test pressure	24 bar
Capacity Flow @ 7 bar	K= 80 -3050 212-8070
Insertion rate	1% or 3% (Tolerance according to NFPA 11)
Flow tolerance	nominal factor $\pm 5\%$
Minimum pressure loss	30% of inlet pressure
Minimum suction pressure	NPSHr 0.75 bara

2 Conformity and approvals

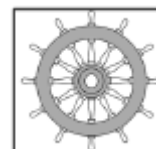
The nozzles keep the following certifications:

DNV-GL type approval

TAF00001DY

Maritime Equipment Directive

MEDB00005DH



3 Models

	Model	A (Water)	B (Foam)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	K-factor range	Weight (kg)
Insertion rate 1%	M-FOI15	1 1/2"	1/2"	55	95	27,5	215	38	80-170	2,1
	M-FOI20	2"	3/4"	70	165	35	251	48	135-350	3,3
	M-FOI30	3"	1"	98	148,5	49	350	74	150-700	6,9
	M-FOI40	4"	1 1/2"	137	251	68,5	428	94	300-1150	15
	M-FOI60	6"	2"	155	136	77,5	620	145	700-3050	27,5
Insertion rate 3%	M-FOI15	1 1/2"	1/2"	55	95	27,5	215	38	80-170	2,1
	M-FOI20	2"	3/4"	70	165	35	251	48	135-350	3,3
	M-FOI30	3"	1"	98	148,5	49	350	74	150-700	6,9
	M-FOI40	4"	1 1/2"	137	251	68,5	428	94	300-1150	15
	M-FOI60	6"	2"	155	136	77,5	620	145	700-3050	27,5

Note that if the inlet pressure varies from 7 bar the k-factor may be limited to less than the table shows.

Please contact Matre for a final confirmation.

4 Dimensions and interfaces

The foam inlet is BSPP F.

