

TECHNICAL DATA SHEET

■ CHARACTERISTICS

REFERENCE	90315
DESIGNATION	IONIFLASH MACH NG15
WEIGHTED EARLY STREAMER EMISSION ΔT according to NFC 17-102	15μs
GROSS WEIGHT	1.8 Kg

The early streamer emission ΔT can be defined as the average gain in streamer emission time of the ESE air terminal (ESEAT) compared to a simple rod air terminal (SRAT) measured in the same conditions. ΔT is measured in a High Voltage Laboratory according to the NFC 17-102 Ed. 2011 Standard.

■ RADIUS OF PROTECTION

RADIUS OF PROTECTION of IONIFLASH MACH® NG15 according to NFC 17-102 (Sept 2011)				
Height (m)	Level I	Level II	Level III	Level IV
2	13	15	18	20
5	32	37	45	51
8	33	39	47	54
10	34	40	49	56
15	35	42	52	60
20	35	44	55	63
30	34	45	58	69
45	24	42	60	73
60		34	58	75

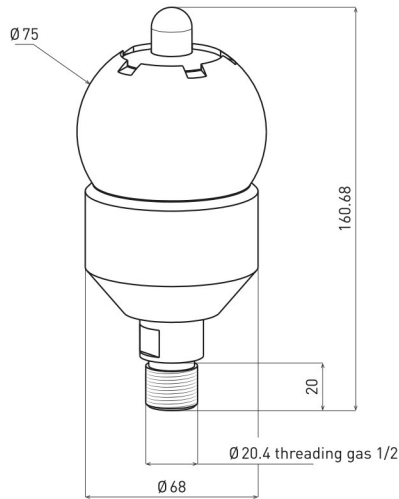
The level of protection is given using the NFC 17-102 Edition 2011, EN 62305-2 or UTE 17-108 guide. If the site presents a risk for the environment, the protection radius must be reduced of 40%. For a level of protection I++ (cf.5.2.3.5 NFC 17-102), the protection radius must be also reduced of 40%.

■ STANDARDS & REGULATIONS

For a site subject to a lightning risk, it is necessary to carry out a lightning risk analysis (NFC 17-102, EN 62305-2 or UTE 17-108), then to define via a lightning technical study the specifications of protection to be set up.

The implementation of the necessary protections is done in accordance with the Standards of protection in effect (NFC 17-102 Ed. 2011 or EN 62305 Ed. 2010).

Initial or periodic verifications made it possible to supervise the evolution of the protection devices against lightning and to ensure the protection of the people and the goods.



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TECHNICAL DATA SHEET

■ CHARACTERISTICS

REFERENCE	90325
DESIGNATION	IONIFLASH MACH NG25
WEIGHTED EARLY STREAMER EMISSION ΔT according to NFC 17-102	25 μ s
GROSS WEIGHT	1.9 Kg

The early streamer emission ΔT can be defined as the average gain in streamer emission time of the ESE air terminal (ESEAT) compared to a simple rod air terminal (SRAT) measured in the same conditions. ΔT is measured in a High Voltage Laboratory according to the NFC 17-102 Ed. 2011 Standard.

■ RADIUS OF PROTECTION

RADIUS OF PROTECTION of IONIFLASH MACH [®] NG25 NFC 17-102 (Sept 2011)				
Height (m)	Level I	Level II	Level III	Level IV
2	17	20	23	26
5	42	49	57	65
8	43	50	59	67
10	44	51	61	69
15	45	53	63	72
20	45	54	65	75
30	44	55	68	80
45	37	53	70	84
60	21	46	68	85

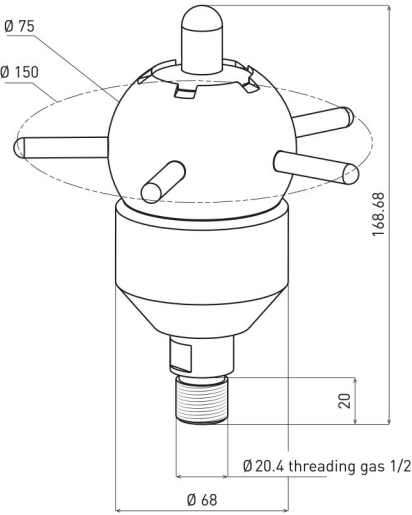
The level of protection is given using the NFC 17-102 Edition 2011, EN 62305-2 or UTE 17-108 guide. If the site presents a risk for the environment, the protection radius must be reduced of 40%. For a level of protection I++ (cf.5.2.3.5 NFC 17-102), the protection radius must be also reduced of 40%.

■ STANDARDS & REGULATIONS

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TECHNICAL DATA SHEET

■ CHARACTERISTICS

REFERENCE	90130
DESIGNATION	IONIFLASH MACH NG30
WEIGHTED EARLY STREAMER EMISSION ΔT according to NFC 17-102	30 μ s
GROSS WEIGHT	2.0 Kg

The early streamer emission ΔT can be defined as the average gain in streamer emission time of the ESE air terminal (ESEAT) compared to a simple rod air terminal (SRAT) measured in the same conditions. ΔT is measured in a High Voltage Laboratory according to the NFC 17-102 Ed. 2011 Standard.

■ RADIUS OF PROTECTION

RADIUS OF PROTECTION of IONIFLASH MACH [®] NG30 NFC 17-102 (Sept 2011)				
Height (m)	Level I	Level II	Level III	Level IV
2	19	22	25	28
5	48	55	63	71
8	49	56	65	73
10	49	57	66	75
15	50	58	69	78
20	50	59	71	81
30	49	60	73	85
45	43	58	75	89
60	30	52	73	90

The level of protection is given using the NFC 17-102 Edition 2011, EN 62305-2 or UTE 17-108 guide. If the site presents a risk for the environment, the protection radius must be reduced of 40%. For a level of protection I++ (cf.5.2.3.5 NFC 17-102), the protection radius must be also reduced of 40%.

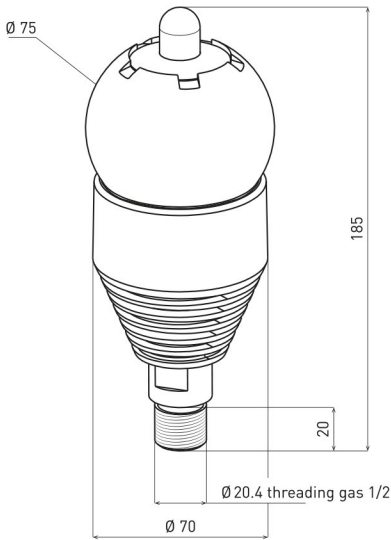
■ STANDARDS & REGULATIONS

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The implementation of the necessary protections is done in accordance with the Standards of protection in effect (NFC 17-102 Ed. 2011 or EN 62305 Ed. 2010).

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TECHNICAL DATA SHEET

■ CHARACTERISTICS

REFERENCE	90145
DESIGNATION	IONIFLASH MACH NG45
WEIGHTED EARLY STREAMER EMISSION ΔT according to NFC 17-102	45 μ s
GROSS WEIGHT	2.1 Kg

The early streamer emission ΔT can be defined as the average gain in streamer emission time of the ESE air terminal (ESEAT) compared to a simple rod air terminal (SRAT) measured in the same conditions. ΔT is measured in a High Voltage Laboratory according to the NFC 17-102 Ed. 2011 Standard.

■ RADIUS OF PROTECTION

RADIUS OF PROTECTION of IONIFLASH MACH [®] NG45 NFC 17-102 (Sept 2011)				
Height (m)	Level I	Level II	Level III	Level IV
2	25	28	32	36
5	63	71	81	89
8	64	72	82	91
10	64	72	83	92
15	65	73	85	95
20	65	74	86	97
30	64	75	89	101
45	60	73	90	104
60	51	69	89	105

The level of protection is given using the NFC 17-102 Edition 2011, EN 62305-2 or UTE 17-108 guide. If the site presents a risk for the environment, the protection radius must be reduced of 40%. For a level of protection I++ (cf.5.2.3.5 NFC 17-102), the protection radius must be also reduced of 40%.

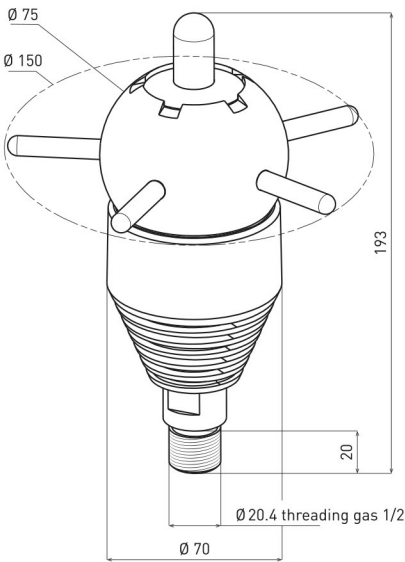
■ STANDARDS & REGULATIONS

For a site subject to a lightning risk, it is necessary to carry out a lightning risk analysis (NFC 17-102, EN 62305-2 or UTE 17-108), then to define via a lightning technical study the specifications of protection to be set up.

The implementation of the necessary protections is done in accordance with the Standards of protection in effect (NFC 17-102 Ed. 2011 or EN 62305 Ed. 2010).

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TECHNICAL DATA SHEET

■ CHARACTERISTICS

REFERENCE	90160
DESIGNATION	IONIFLASH MACH NG60
WEIGHTED EARLY STREAMER EMISSION ΔT according to NFC 17-102	60 μ s
GROSS WEIGHT	2.2 Kg

The early streamer emission ΔT can be defined as the average gain in streamer emission time of the ESE air terminal (ESEAT) compared to a simple rod air terminal (SRAT) measured in the same conditions. ΔT is measured in a High Voltage Laboratory according to the NFC 17-102 Ed. 2011 Standard.

■ RADIUS OF PROTECTION

RADIUS OF PROTECTION of IONIFLASH MACH [®] NG60 NFC 17-102 (Sept 2011)				
Height (m)	Level I	Level II	Level III	Level IV
2	31	35	39	43
5	79	86	97	107
8	79	87	98	108
10	79	88	99	109
15	80	89	101	111
20	80	89	102	113
30	79	90	104	116
45	76	89	105	119
60	69	85	104	120

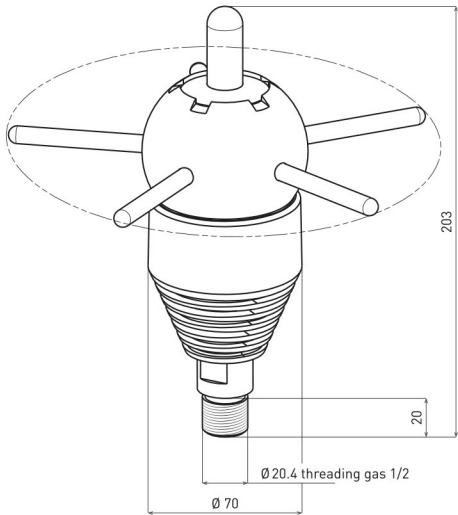
The level of protection is given using the NFC 17-102 Edition 2011, EN 62305-2 or UTE 17-108 guide. If the site presents a risk for the environment, the protection radius must be reduced of 40%. For a level of protection I++ (cf.5.2.3.5 NFC 17-102), the protection radius must be also reduced of 40%.

■ STANDARDS & REGULATIONS

For a site subject to a lightning risk, it is necessary to carry out a lightning risk analysis (NFC 17-102, EN 62305-2 or UTE 17-108), then to define via a lightning technical study the specifications of protection to be set up.

The implementation of the necessary protections is done in accordance with the Standards of protection in effect (NFC 17-102 Ed. 2011 or EN 62305 Ed. 2010).

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