

UGELLO SPRAY A LAMA PIATTA – NF SPRAY NOZZLE FLAT JET – NF



Descrizione

Il Mod. NF è un ugello a lama piatta che viene impiegato nei sistemi water spray a diluvio per realizzare sistemi di raffreddamento e barriere d'acqua, con angolo di deflessione pari a 75°. Il Mod. NF è disponibile in ottone, bronzo, bronzo alluminio ed acciaio inox AISI 316, con angoli di apertura del getto a scelta tra 90° - 180° ed attacco al processo da 1/2" o 3/4" filettato BSP o NPT.

Description

The Mod. NF is a flat jet nozzle used in deluge water spray systems designed for cooling systems and water curtains, with deflection angle 75°. The Mod. NF is available in brass, bronze, aluminium bronze and stainless steel AISI 316, with dispersion angles ranging from 90° - 180° and process connections of 1/2" or 3/4" threaded BSP or NPT.



Caratteristiche tecniche

- Materiale corpo a scelta tra:
 - Ottone
 - Bronzo EN 1982 – CC491K
 - Nickel Alluminio Bronzo EN 1982 - CC333G
 - Acciaio inox AISI 316
- Dimensioni disponibili:
 - 1/2"
 - 3/4"
- Attacco filettato disponibile:
 - M. BSP
 - M. NPT
- Angoli di dispersione:
 - 90°, 120°, 140°, 170° o 180°
- Angolo di deflessione 75°
- Esecuzione idonea ad installazione esterna in ambiente marino e funzionamento con acqua mare e soluzioni schiumogene
- Pressione di progetto 16 bar

Finitura:

- Al naturale

Technical characteristics

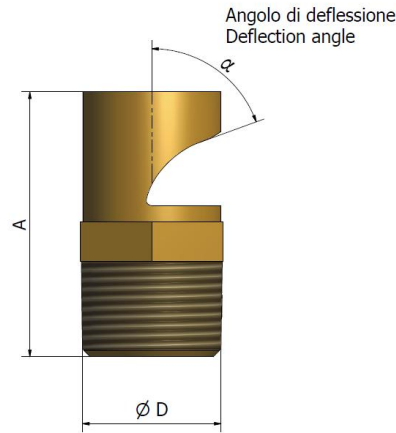
- Body material to be selected among:
 - Brass
 - Bronze EN 1982 – CC491K
 - Nickel Aluminum Bronze EN 1982 - CC333G
 - Stainless Steel AISI 316
- Available sizes:
 - 1/2"
 - 3/4"
- Available connection threaded:
 - M. BSP
 - M. NPT
- Dispersion angles:
 - 90°, 120°, 140°, 170° o 180°
- Deflection angle 75°
- Suitable execution for external installation in marine environment and operation with sea water and foam solutions
- Design pressure: 16 bar

Finish:

- Natural

Dimensioni e Pesì

Dimensions and Weights



Ø D	A mm	Angolo di flessione Deflection angle α	Portata ugello a differenti pressioni l/min Nozzle flow rate at different pressure lpm								Fattore Factor K		
			1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar		10 bar	
1/2"	3/4"	50	75°	6,7	8,2	9,5	11,6	13,4	15,0	16,4	17,7	21,2	6,7 ⁽¹⁾
				9,0	11,0	12,7	15,6	18,0	20,1	22,0	23,8	28,5	9 ⁽¹⁾
				11,5	14,1	16,3	19,9	23,0	25,7	28,2	30,4	36,4	11,5 ⁽¹⁾
				13,7	16,8	19,4	23,7	27,4	30,6	33,6	36,2	43,3	13,7 ⁽¹⁾
				15,8	19,4	22,3	27,4	31,6	35,3	38,7	41,8	50,0	15,8 ⁽¹⁾
				18,0	22,0	25,5	31,2	36,0	40,2	44,1	47,6	56,9	18 ⁽¹⁾
				23,0	28,2	32,5	39,8	46,0	51,4	56,3	60,9	72,7	23 ⁽¹⁾
				27,0	33,1	38,2	46,8	54,0	60,4	66,1	71,4	85,4	27 ⁽¹⁾
				31,0	38,0	43,8	53,7	62,0	69,3	75,9	82,0	98,0	31 ⁽¹⁾
				41,0	50,2	58,0	71,0	82,0	91,7	100,4	108,5	129,7	41 ⁽¹⁾
				52,0	63,7	73,5	90,1	104,0	116,3	127,4	137,6	164,4	52 ⁽¹⁾
				54,0	66,1	76,4	93,5	108,0	120,7	132,3	142,9	170,8	54 ⁽¹⁾
				64,0	78,4	90,5	110,9	128,0	143,1	156,8	169,3	202,4	64
				75,0	91,9	106,1	129,9	150,0	167,7	183,7	198,4	237,2	75
95,0	116,4	134,4	164,5	190,0	212,4	232,7	251,3	300,4	95				

Opzioni

- Cromatura
- Tappo di protezione
- Per ulteriori opzioni o versioni speciali contattare SA Fire Protection

Optional

- Chrome plated
- Blow cap
- For additional options or special versions contact SA Fire Protection

Nota:

(1) Prevedere sulla linea principale un filtro in accordo ai requisiti di NFPA 15

Note:

(1) Main pipe line strainer is required according to NFPA 15 requirements

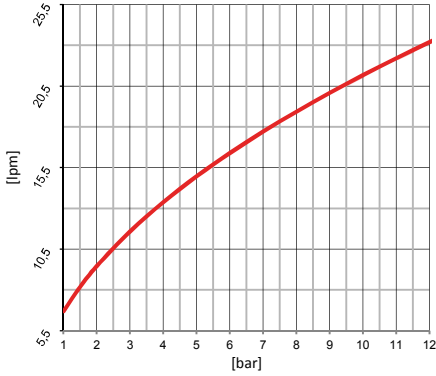


Diagrammi Prestazioni

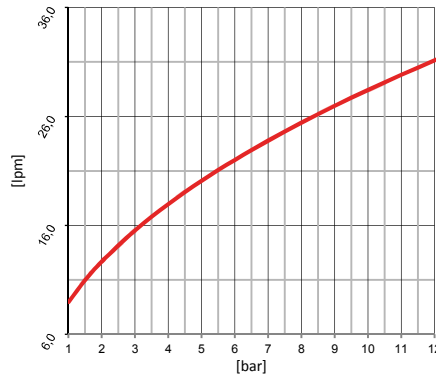
Performance Diagrams

Pressione (bar) / Portata (l/min)
 Pressure (bar) / Flow Rate (lpm)

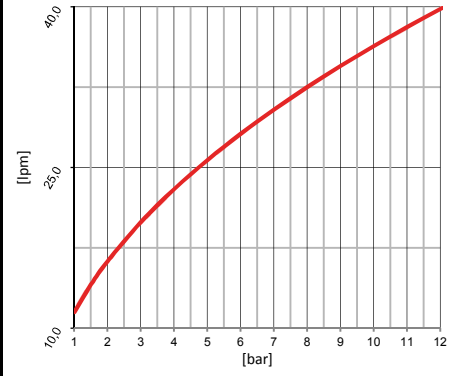
Fattore / Factor (K= 6.7)



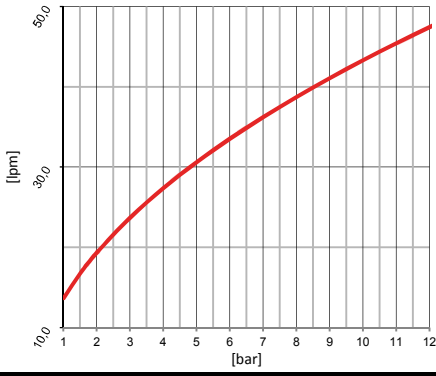
Fattore / Factor (K= 9)



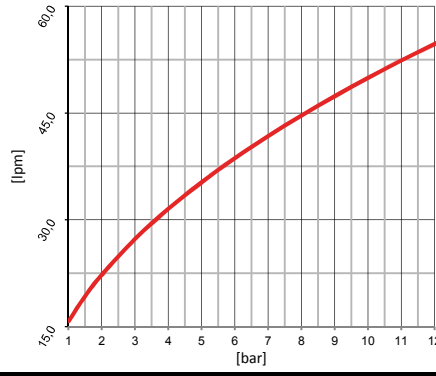
Fattore / Factor (K= 11.5)



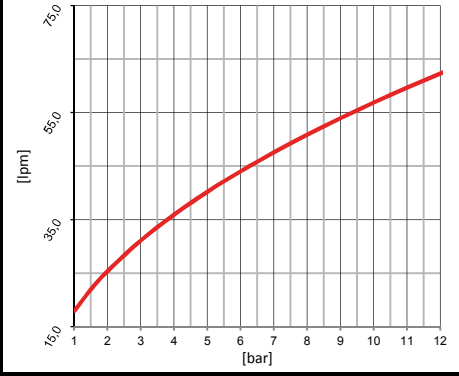
Fattore / Factor (K= 13.7)



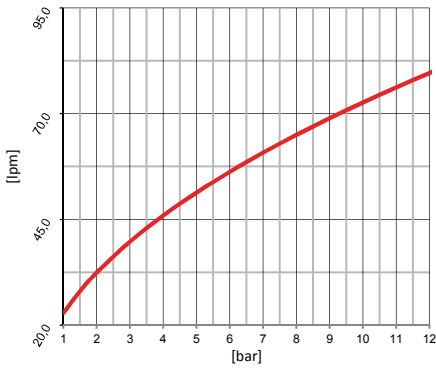
Fattore / Factor (K= 15.8)



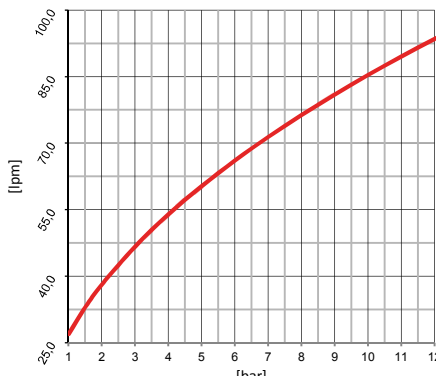
Fattore / Factor (K= 18)



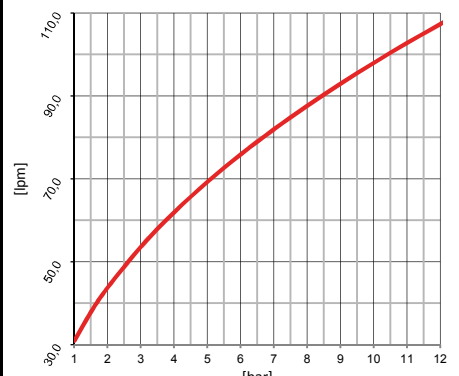
Fattore / Factor (K=23)



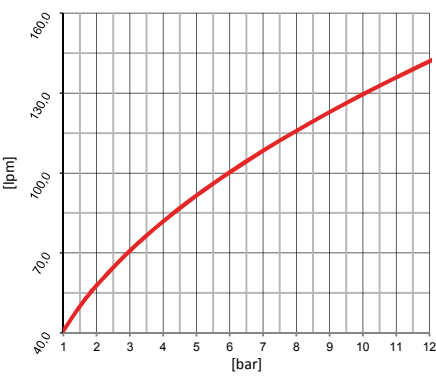
Fattore / Factor (K= 27)



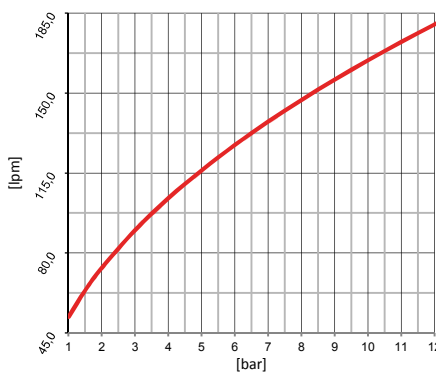
Fattore / Factor (K= 31)



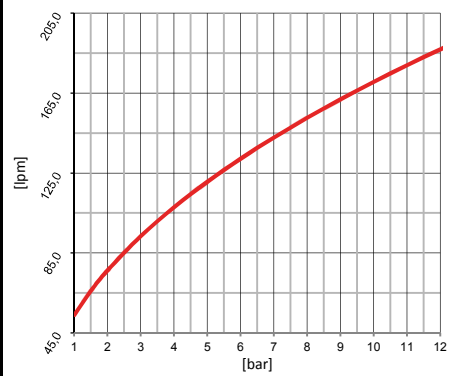
Fattore / Factor (K= 41)



Fattore / Factor (K= 52)



Fattore / Factor (K= 54)



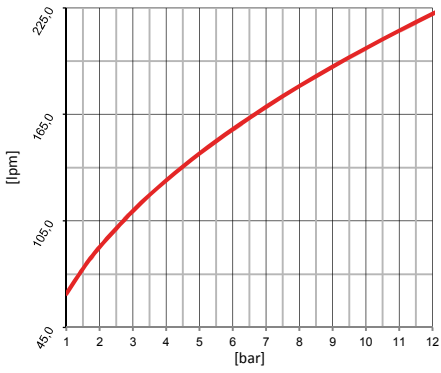


Diagrammi Prestazioni

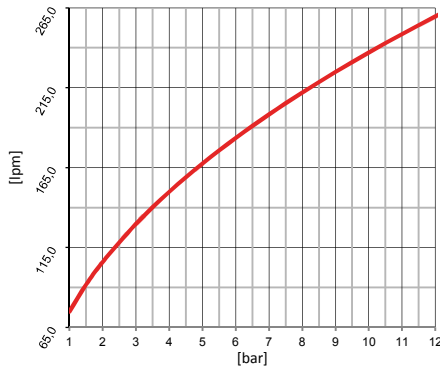
Performance Diagrams

Pressione (bar) / Portata (l/min)
 Pressure (bar) / Flow Rate (lpm)

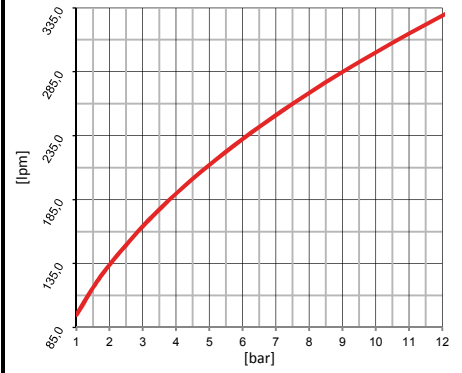
Fattore / Factor (K= 64)



Fattore / Factor (K= 75)



Fattore / Factor (K= 95)





**Codice Identificativo
Identification Form**

OPZIONI / OPTIONS

Mod. / / /

①
②
③
④
⑤
⑥
⑦
⑧

Quantità / Quantity

UGELLO SPRAY A LAMA PIATTA NF / SPRAY NOZZLE FLAT JET NF

CORPO BODY	①	Tipologia Type	Ugello a lama piatta Flat jet nozzle				NF <input checked="" type="checkbox"/>	
	②	Materiale Material	Ottone Brass				COT10 <input type="checkbox"/>	
			Bronzo EN 1982 – CC491K Bronze EN 1982 – CC491K				CBG10 <input type="checkbox"/>	
			Nichel Alluminio Bronzo EN 1982 - CC333G Nickel Aluminium Bronze EN 1982 - CC333G				CBA10 <input type="checkbox"/>	
			Acciaio inox AISI 316 Stainless steel AISI 316				CAI12 <input type="checkbox"/>	
③	Dimensione Size	1/2"				M <input type="checkbox"/>		
		3/4"				QQQ <input type="checkbox"/>		
④	Connessione Connection	BSP				BSP <input type="checkbox"/>		
		NPT				NPT <input type="checkbox"/>		
POSTRATA FLOW RATE	⑤	Fattore K ((l/min)/√bar) K factor ((lpm)/√bar)	6,7 <input type="checkbox"/>	9 <input type="checkbox"/>	11,5 <input type="checkbox"/>	13,7 <input type="checkbox"/>	15,8 <input type="checkbox"/>	
			18 <input type="checkbox"/>	23 <input type="checkbox"/>	27 <input type="checkbox"/>	31 <input type="checkbox"/>	41 <input type="checkbox"/>	
			52 <input type="checkbox"/>	54 <input type="checkbox"/>	64 <input type="checkbox"/>	75 <input type="checkbox"/>	95 <input type="checkbox"/>	
			Altre portate Other flow rates				K <input type="checkbox"/>	Specificare in Note il fattore K richiesto oppure la portata desiderata riferita ad un valore determinato di pressione. Specify in Notes the required K factor or the flow rate required at a specific pressure.
ANGOLO DI SPRAY SPRAY ANGLE	⑥	Angolo di Spray Spray Angle	90° <input type="checkbox"/>	120° <input type="checkbox"/>	140° <input type="checkbox"/>	170° <input type="checkbox"/>	180° <input type="checkbox"/>	
			Altre angolazioni Other spray angles				A <input type="checkbox"/>	Specificare in Note l'angolazione di spray richiesta Specify in Notes the required spray angle
OPZIONI OPTIONS	⑦	Finitura Finish	Cromatura Chrome plated				FC <input type="checkbox"/>	
	⑧	Tappo di protezione Moisture protection cap	Tappo di protezione Moisture protection cap				TP <input type="checkbox"/>	



NOTE
NOTES

CLIENTE / CLIENT:	PROGETTO / PROJECT:	DOC. No.:	REV.:
EMESSO / ISSUED:	CONTROLLATO / CHECKED:	APPROVATO / APPROVED:	
DATA / DATE:	DATA / DATE:	DATA / DATE:	