

DISCHARGE NOZZLE 360° FEDRxxxxx

Description

Its function is to discharge extinguishing agent inside the hazard area as homogeneously as possible to achieve efficient extinguishing.

They are screwed onto the discharge piping in a vertical position, with threads from 3/8" BSP to 2 1/2" BSP. The 360° nozzles have 8 outlet orifices at two levels. Each level has a different angle of discharge to improve gas distribution in the hazard area.

The 360° radial nozzles discharge gas uniformly in a 360° circular section plane. The 360° nozzles are installed in the middle of the protected room.

These discharge nozzles have a limitation of maximum coverage area of 36.09 x 36.09 ft (11 x 11 m) for FM approvals.

These discharge nozzles does not have a limitation of maximum coverage area for UL approvals (NFPA).



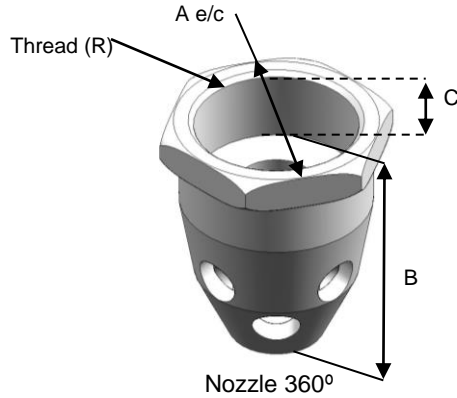
Nozzle 360°



Technical information

Discharge nozzle 360° FEDRxxxxx	
Material	Carbonated steel / Inox Steel AISI 303 and 316 / Aluminum * / Brass
Inlet and Outlet Finish	Zinc-niquel (Only the manufactured in carbonated steel)
Thread connection to the pipe (Female thread)	From 3/8" BSP to 2 1/2" BSP
Nozzle 360°	8 orifices at 2 levels
The threads connections comply with the International standards ISO 7-1 or ISO 228-1	YES
Approvals	UL-EX16320 FM-3054767

* This is not part of the FM approval, only UL Listed.



NOZZLES 360° - CARBONATED STEEL ¹						
MODEL	Thread connection (R)	No. of orifices	Orifices Ø In (mm)	Length Ex. A e/c In (mm)	Length B In (mm)	Length C In (mm)
FEDR10	3/8" BSP	8	0.16 (4)	0.94 (24)	1.4 (35.5)	0.55 (14)
FEDR15	1/2" BSP	8	0.22 (5.5)	1.18 (30)	1.66 (42.1)	0.63 (16)
FEDR20	3/4" BSP	8	0.3 (7.5)	1.57 (40)	2.13 (54)	0.71 (18)
FEDR25	1" BSP	8	0.35 (9)	1.81 (46)	2.32 (59)	0.75 (19)
FEDR32	1 1/4" BSP	8	0.45 (11.5)	2.17 (55)	2.64 (67)	0.83 (21)
FEDR40	1 1/2" BSP	8	0.55 (14)	2.36 (60)	2.87(73)	0.87 (22)
FEDR50	2" BSP	8	0.71 (18)	2.83 (72)	3.43(87)	1.06 (27)
FEDR65	2 1/2" BSP	8	0.71 (18)	3.35 (85)	3.54(90)	1.18 (30)

1- If you want high anti-corrosive coating add "CHN" to the nozzle code.

NOZZLES 360° - ALUMINUM* 2						
MODEL	Thread connection (R)	No. of orifices	Orifices Ø In (mm)	Length Ex. A e/c In (mm)	Length B In (mm)	Length C In (mm)
FEDR10A	3/8" BSP	8	0.16 (4)	0.94 (24)	1.4 (35.5)	0.55 (14)
FEDR15A	1/2" BSP	8	0.22 (5.5)	1.18 (30)	1.66 (42.1)	0.63 (16)
FEDR20A	3/4" BSP	8	0.3 (7.5)	1.57 (40)	2.13 (54)	0.71 (18)
FEDR25A	1" BSP	8	0.35 (9)	1.81 (46)	2.32 (59)	0.75 (19)
FEDR32A	1 1/4" BSP	8	0.45 (11.5)	2.17 (55)	2.64 (67)	0.83 (21)
FEDR40A	1 1/2" BSP	8	0.55 (14)	2.36 (60)	2.87(73)	0.87 (22)
FEDR50A	2" BSP	8	0.71 (18)	2.83 (72)	3.43(87)	1.06 (27)
FEDR65A	2 1/2" BSP	8	0.71 (18)	3.35 (85)	3.54(90)	1.18 (30)

2- If you want hard anodized coating add "AHA" to the nozzle code.

* This is not part of the FM approval, only UL listed.

NOZZLES 360° - BRASS

MODEL	Thread connection (R)	No. of orifices	Orifices Ø In (mm)	Length Ex. A e/c In (mm)	Length B In (mm)	Length C In (mm)
FEDR10B	3/8" BSP	8	0.16 (4)	0.94 (24)	1.4 (35.5)	0.55 (14)
FEDR15B	1/2" BSP	8	0.22 (5.5)	1.18 (30)	1.66 (42.1)	0.63 (16)
FEDR20B	3/4" BSP	8	0.3 (7.5)	1.57 (40)	2.13 (54)	0.71 (18)
FEDR25B	1" BSP	8	0.35 (9)	1.81 (46)	2.32 (59)	0.75 (19)
FEDR32B	1 1/4" BSP	8	0.45 (11.5)	2.17 (55)	2.64 (67)	0.83 (21)
FEDR40B	1 1/2" BSP	8	0.55 (14)	2.36 (60)	2.87(73)	0.87 (22)
FEDR50B	2" BSP	8	0.71 (18)	2.83 (72)	3.43(87)	1.06 (27)
FEDR65B	2 1/2" BSP	8	0.71 (18)	3.35 (85)	3.54(90)	1.18 (30)

NOZZLES 360° - INOX STEEL AISI 303

MODEL	Thread connection (R)	No. of orifices	Orifices Ø In (mm)	Length Ex. A e/c In (mm)	Length B In (mm)	Length C In (mm)
FEDR10I	3/8" BSP	8	0.16 (4)	0.94 (24)	1.4 (35.5)	0.55 (14)
FEDR15I	1/2" BSP	8	0.22 (5.5)	1.18 (30)	1.66 (42.1)	0.63 (16)
FEDR20I	3/4" BSP	8	0.3 (7.5)	1.57 (40)	2.13 (54)	0.71 (18)
FEDR25I	1" BSP	8	0.35 (9)	1.81 (46)	2.32 (59)	0.75 (19)
FEDR32I	1 1/4" BSP	8	0.45 (11.5)	2.17 (55)	2.64 (67)	0.83 (21)
FEDR40I	1 1/2" BSP	8	0.55 (14)	2.36 (60)	2.87(73)	0.87 (22)
FEDR50I	2" BSP	8	0.71 (18)	2.83 (72)	3.43(87)	1.06 (27)
FEDR65I	2 1/2" BSP	8	0.71 (18)	3.35 (85)	3.54(90)	1.18 (30)

NOZZLES 360° - INOX STEEL AISI 316

MODEL	Thread connection (R)	No. of orifices	Orifices Ø In (mm)	Length Ex. A e/c In (mm)	Length B In (mm)	Length C In (mm)
FEDR10I316	3/8" BSP	8	0.16 (4)	0.94 (24)	1.4 (35.5)	0.55 (14)
FEDR15I316	1/2" BSP	8	0.22 (5.5)	1.18 (30)	1.66 (42.1)	0.63 (16)
FEDR20I316	3/4" BSP	8	0.3 (7.5)	1.57 (40)	2.13 (54)	0.71 (18)
FEDR25I316	1" BSP	8	0.35 (9)	1.81 (46)	2.32 (59)	0.75 (19)
FEDR32I316	1 1/4" BSP	8	0.45 (11.5)	2.17 (55)	2.64 (67)	0.83 (21)
FEDR40I316	1 1/2" BSP	8	0.55 (14)	2.36 (60)	2.87(73)	0.87 (22)
FEDR50I316	2" BSP	8	0.71 (18)	2.83 (72)	3.43(87)	1.06 (27)
FEDR65I316	2 1/2" BSP	8	0.71 (18)	3.35 (85)	3.54(90)	1.18 (30)

WARNING: This type of Discharge nozzle 360° FEDRxxxxx is manufactured and approved to be used in fixed extinguishing installations with CO2 Gas. This product is not designed for other use or purpose. If product user has any doubt regarding the application or product use, please contact +34 947 28 11 08. Every not approved use or application or / and any other not approved modification of the product or its function may cause serious accidents or / and personal damages. SIEX 2001 S.L. is not responsible for any non-approved use of the application.

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