

DISCHARGE NOZZLE 180° FEDRxx180

Description

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

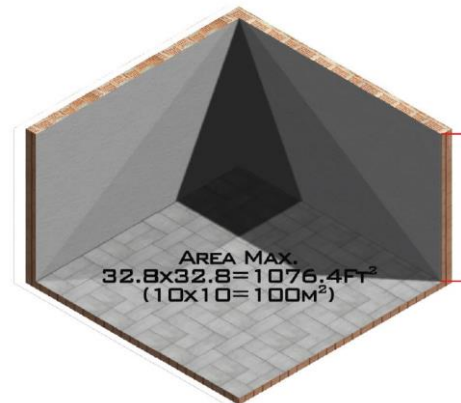
They are screwed onto the discharge piping in a vertical position, with threads from 3/8" BSP to 2 1/2" BSP. The 180° nozzles have 7 outlet orifices at two levels. Each level has a different angle of discharge to improve gas distribution in the hazard area.

The 180° radial nozzles discharge the gas uniformly in half of a circle. The 180° nozzles are usually for installing along the walls of the hazard.

These discharge nozzles have a limitation of maximum coverage area of 32.8 x 32.8 ft (10 x 10 m), a limitation of maximum height of 23.3 ft (7.1 m) to 122 psi (8.4 bar) and a limitation of maximum height of 16.4 ft (5 m) to 61 psi (4.2 bar).



Nozzle 180°



HEIGHT MAX.
23.3 FT AT 123 PSI
(7.1 M AT 8.5BAR)

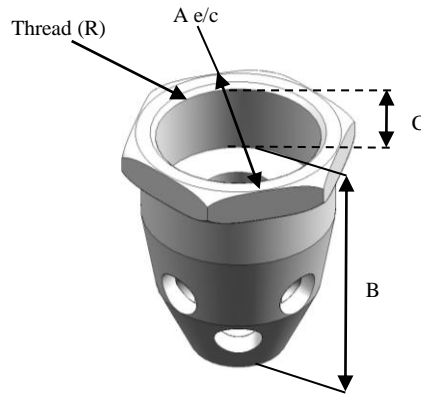
HEIGHT MAX.
16.4 AT 61 PSI
(5 M AT 4.2 BAR)

AREA MAX.
32.8x32.8=1076.4FT²
(10x10=100M²)

Technical information

Discharge nozzle FEDRxx180	
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 180°	7 orifices at 2 levels
The threads connections comply with the International standards ISO 7-1 or ISO 228-1	YES
Approvals	UL-EX15547 FM-3062401

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



Nozzle 180°

NOZZLES 180° - CARBONATED STEEL with anticorrosive treatment 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)
FEDR10180	3/8" BSP	7	0.16 (4)	0.94 (24)	1.4 (35.5)	0.55 (14)
FEDR15180	1/2" BSP	7	0.22 (5.5)	1.18 (30)	1.66 (42.1)	0.63 (16)
FEDR20180	3/4" BSP	7	0.3 (7.5)	1.57 (40)	2.13 (54)	0.71 (18)
FEDR25180	1" BSP	7	0.35 (9)	1.81 (46)	2.32 (59)	0.75 (19)
FEDR32180	1 1/4" BSP	7	0.45 (11.5)	2.17 (55)	2.64 (67)	0.83 (21)
FEDR40180	1 1/2" BSP	7	0.55 (14)	2.36 (60)	2.87(73)	0.87 (22)
FEDR50180	2" BSP	7	0.71 (18)	2.83 (72)	3.43(87)	1.06 (27)
FEDR65180	2 1/2" BSP	7	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 180° - 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)
FEDR10180A	3/8" BSP	7	0.16 (4)	0.94 (24)	1.4 (35.5)	0.55 (14)
FEDR15180A	1/2" BSP	7	0.22 (5.5)	1.18 (30)	1.66 (42.1)	0.63 (16)
FEDR20180A	3/4" BSP	7	0.3 (7.5)	1.57 (40)	2.13 (54)	0.71 (18)
FEDR25180A	1" BSP	7	0.35 (9)	1.81 (46)	2.32 (59)	0.75 (19)
FEDR32180A	1 1/4" BSP	7	0.45 (11.5)	2.17 (55)	2.64 (67)	0.83 (21)
FEDR40180A	1 1/2" BSP	7	0.55 (14)	2.36 (60)	2.87(73)	0.87 (22)
FEDR50180A	2" BSP	7	0.71 (18)	2.83 (72)	3.43(87)	1.06 (27)
FEDR65180A	2 1/2" BSP	7	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.

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NOZZLES 180° - 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)
FEDR10180B	3/8" BSP	7	0.16 (4)	0.94 (24)	1.4 (35.5)	0.55 (14)
FEDR15180B	1/2" BSP	7	0.22 (5.5)	1.18 (30)	1.66 (42.1)	0.63 (16)
FEDR20180B	3/4" BSP	7	0.3 (7.5)	1.57 (40)	2.13 (54)	0.71 (18)
FEDR25180B	1" BSP	7	0.35 (9)	1.81 (46)	2.32 (59)	0.75 (19)
FEDR32180B	1 1/4" BSP	7	0.45 (11.5)	2.17 (55)	2.64 (67)	0.83 (21)
FEDR40180B	1 1/2" BSP	7	0.55 (14)	2.36 (60)	2.87(73)	0.87 (22)
FEDR50180B	2" BSP	7	0.71 (18)	2.83 (72)	3.43(87)	1.06 (27)
FEDR65180B	2 1/2" BSP	7	0.71 (18)	3.35 (85)	3.54(90)	1.18 (30)

NOZZLES 180° - 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)
FEDR10180I	3/8" BSP	7	0.16 (4)	0.94 (24)	1.4 (35.5)	0.55 (14)
FEDR15180I	1/2" BSP	7	0.22 (5.5)	1.18 (30)	1.66 (42.1)	0.63 (16)
FEDR20180I	3/4" BSP	7	0.3 (7.5)	1.57 (40)	2.13 (54)	0.71 (18)
FEDR25180I	1" BSP	7	0.35 (9)	1.81 (46)	2.32 (59)	0.75 (19)
FEDR32180I	1 1/4" BSP	7	0.45 (11.5)	2.17 (55)	2.64 (67)	0.83 (21)
FEDR40180I	1 1/2" BSP	7	0.55 (14)	2.36 (60)	2.87(73)	0.87 (22)
FEDR50180I	2" BSP	7	0.71 (18)	2.83 (72)	3.43(87)	1.06 (27)
FEDR65180I	2 1/2" BSP	7	0.71 (18)	3.35 (85)	3.54(90)	1.18 (30)

NOZZLES 180° - 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)
FEDR10180I316	3/8" BSP	7	0.16 (4)	0.94 (24)	1.4 (35.5)	0.55 (14)
FEDR15180I316	1/2" BSP	7	0.22 (5.5)	1.18 (30)	1.66 (42.1)	0.63 (16)
FEDR20180I316	3/4" BSP	7	0.3 (7.5)	1.57 (40)	2.13 (54)	0.71 (18)
FEDR25180I316	1" BSP	7	0.35 (9)	1.81 (46)	2.32 (59)	0.75 (19)
FEDR32180I316	1 1/4" BSP	7	0.45 (11.5)	2.17 (55)	2.64 (67)	0.83 (21)
FEDR40180I316	1 1/2" BSP	7	0.55 (14)	2.36 (60)	2.87(73)	0.87 (22)
FEDR50180I316	2" BSP	7	0.71 (18)	2.83 (72)	3.43(87)	1.06 (27)
FEDR65180I316	2 1/2" BSP	7	0.71 (18)	3.35 (85)	3.54(90)	1.18 (30)

WARNING: This type of Discharge nozzle 180° FEDRxx180 is manufactured and approved to be used in fixed extinguishing installations with FK-5-1-12. 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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