

## DISCHARGE NOZZLE 360° FEDRxxx

### Description

The nozzles model FEDRxxx for fixed extinguishing systems by FM-200® serves to discharge the extinguishing agent within the protected zone making a proper distribution of the extinguish agent flows. Are used in systems for the protection by total flood, not being used in local applications.

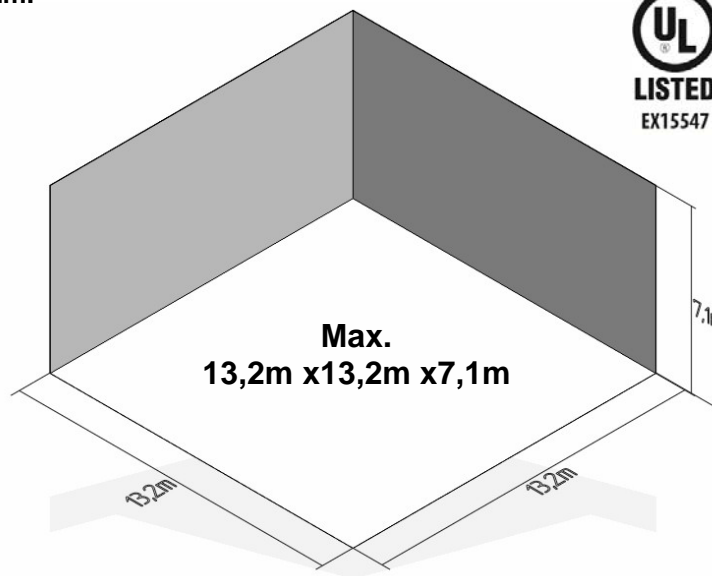
They are threaded to the discharge pipe in a vertical position and they can be 360° with a connection thread from 3/8" BSP to 2 1/2" BSP.

The 360° radial nozzles discharge uniformly the gas in a 360° sectional flat circle. The 360° ones are centred in the hazard to protect.

**These discharge nozzles have a limitation of maximum height of 7.1m and a limitation of maximum coverage area of 13.2 x 13.2m.**



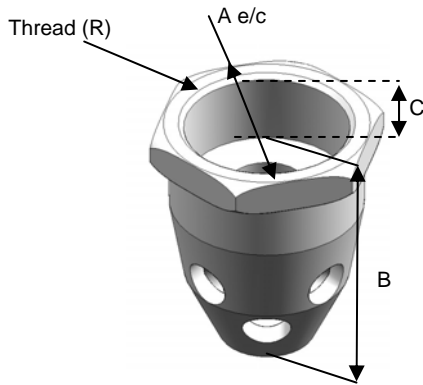
Nozzle 360°



### Technical information

NOZZLES MODEL 360° FEDRxxx	
Material	Carbonated steel / Inox Steel AISI 303 or 316 / Aluminum* / Brass Zinc-niquel
Inlet and Outlet Finish	(Only the manufactured in carbonated steel)
Thread connection to the pipe Nozzle 360°	(Female thread) From 3/8" BSP to 2 1/2" BSP 8 orifices at 2 levels
Exist restrictor in the installation	NO
The threads connections comply with the International standards ISO 7-1 or ISO 228-1	YES
<b>Approvals</b>	<b>UL-EX15547</b> <b>FM-3053302</b>

\* This is not part of the FM Approval.



**NOZZLES 360° - CARBONATED STEEL**

MODEL	Thread connection (R)	No. of orifices	Orifices Ø (mm)	Length Ex. A e/c (mm)	Length B (mm)	Length C (mm)
FEDR10	3/8" BSP	8	4	24	35.5	14
FEDR15	1/2" BSP	8	5.5	30	42.1	16
FEDR20	3/4" BSP	8	7.5	40	54	18
FEDR25	1" BSP	8	9	46	59	19
FEDR32	1 1/4" BSP	8	11.5	55	67	21
FEDR40	1 1/2" BSP	8	14	60	73	22
FEDR50	2" BSP	8	18	72	87	27
FEDR65	2 1/2" BSP	8	18	85	90	30

**NOZZLES 360° - BRASS**

MODEL	Thread connection (R)	No. of orifices	Orifices Ø (mm)	Length Ex. A e/c (mm)	Length B (mm)	Length C (mm)
FEDR10B	3/8" BSP	8	4	24	35.5	14
FEDR15B	1/2" BSP	8	5.5	30	42.1	16
FEDR20B	3/4" BSP	8	7.5	40	54	18
FEDR25B	1" BSP	8	9	46	59	19
FEDR32B	1 1/4" BSP	8	11.5	55	67	21
FEDR40B	1 1/2" BSP	8	14	60	73	22
FEDR50B	2" BSP	8	18	72	87	27
FEDR65B	2 1/2" BSP	8	18	85	90	30

**NOZZLES 360° - ALUMINIUM\***

MODEL	Thread connection (R)	No. of orifices	Orifices Ø (mm)	Length Ex. A e/c (mm)	Length B (mm)	Length C (mm)
FEDR10A	3/8" BSP	8	4	24	35.5	14
FEDR15A	1/2" BSP	8	5.5	30	42.1	16
FEDR20A	3/4" BSP	8	7.5	40	54	18
FEDR25A	1" BSP	8	9	46	59	19
FEDR32A	1 1/4" BSP	8	11.5	55	67	21
FEDR40A	1 1/2" BSP	8	14	60	73	22
FEDR50A	2" BSP	8	18	72	87	27
FEDR65A	2 1/2" BSP	8	18	85	90	30

**NOZZLES 360° - INOX STEEL AISI 316**

MODEL	Thread connection (R)	No. of orifices	Orifices Ø (mm)	Length Ex. A e/c (mm)	Length B (mm)	Length C (mm)
FEDR10I316	3/8" BSP	8	4	24	35.5	14
FEDR15I316	1/2" BSP	8	5.5	30	42.1	16
FEDR20I316	3/4" BSP	8	7.5	40	54	18
FEDR25I316	1" BSP	8	9	46	59	19
FEDR32I316	1 1/4" BSP	8	11.5	55	67	21
FEDR40I316	1 1/2" BSP	8	14	60	73	22
FEDR50I316	2" BSP	8	18	72	87	27
FEDR65I316	2 1/2" BSP	8	18	85	90	30

**NOZZLES 360° - INOX STEEL AISI 303**

MODEL	Thread connection (R)	No. of orifices	Orifices Ø (mm)	Length Ex. A e/c (mm)	Length B (mm)	Length C (mm)
FEDR10I	3/8" BSP	8	4	24	35.5	14
FEDR15I	1/2" BSP	8	5.5	30	42.1	16
FEDR20I	3/4" BSP	8	7.5	40	54	18
FEDR25I	1" BSP	8	9	46	59	19
FEDR32I	1 1/4" BSP	8	11.5	55	67	21
FEDR40I	1 1/2" BSP	8	14	60	73	22
FEDR50I	2" BSP	8	18	72	87	27
FEDR65I	2 1/2" BSP	8	18	85	90	30

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WARNING: This type of discharge nozzle 360° FEDRxxx, are manufactured and approved to be used in fixed extinguishing installations with FM-200®. 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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