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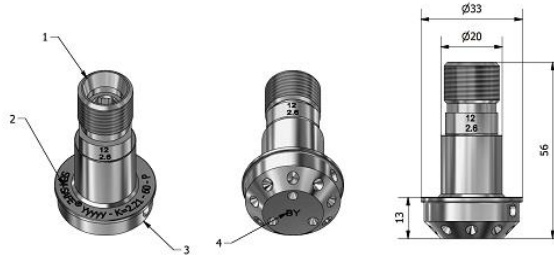
Data sheet | High-pressure water mist

# SEM-SAFE® nozzle

Type code NO-031200-BY-P-2.21-12-000-000000

2022-02-14

- 1 - Nozzle top
- 2 - Marking
- 3 - Nozzle head
- 4 - Nozzle ID



## General information

Nozzle ID	BY
Item no.	114619

## Application

Machinery space, total flooding

Tested in accordance with	IMO MSC 1165: Total flooding in category A machinery spaces and cargo pump rooms
Approved by	DNV,LR,ABS,BV,RMRS,CCS
Nozzle spacing [m]	4,00
Max. ceiling height [m]	8,00
Distance to wall [m]	min 0,50 max 4,00
Max. protected area	Net volume 2.720 m <sup>3</sup>   Scaled net volume 5.440 m <sup>3</sup>
Gross volume 3.210 m <sup>3</sup> Scaled gross volume 6.419 m <sup>3</sup> Staggered pattern	

SEM-SAFE® nozzle NO-031200-BY-P-2.21-12-000-000000

**Technical data**

Operating pressure [bar]	60
K-factor	2.21
Flow at operating pressure [l/min]	17,1
Orientation	Pendent
Release temperature [°C]	N/A
Pipe connection ISO8434-1	M12L
Material	Nozzle head CuZn36Pb2As (brass) coated with NiSn
	Nozzle top AISI316L
Painted nozzle colour code [RAL]	N/A
Painted nozzle color gloss	N/A
Old type codes: HNDP-0-12-2.21-00	

For other configurations contact Danfoss Fire Safety A/S

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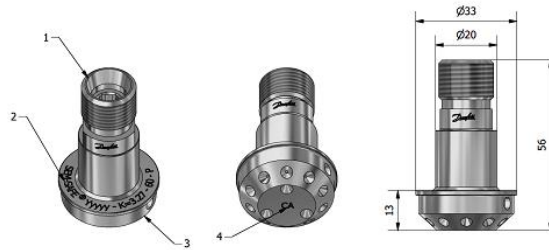
Data sheet | High-pressure water mist

# SEM-SAFE® nozzle

Type code NO-031300-CA-P-3.27-12-000-000000

2022-02-14

- 1 - Nozzle top
- 2 - Marking
- 3 - Nozzle head
- 4 - Nozzle ID



## General information

Nozzle ID	CA
Item no.	114696

## Application

Machinery space, total flooding

Tested in accordance with	IMO MSC 1165: Total flooding in category A machinery spaces and cargo pump rooms
Approved by	DNV,LR,ABS,BV,RMRS,CCS
Nozzle spacing [m]	4,00
Max. ceiling height [m]	11,00
Distance to wall [m]	min 0,50 max 4,00
Max. protected area	Net volume 3.740 m <sup>3</sup>   Scaled net volume 7.143 m <sup>3</sup>
Gross volume 4.413 m <sup>3</sup> Scaled gross volume 8.439 m <sup>3</sup> Staggered pattern	

SEM-SAFE® nozzle NO-031300-CA-P-3.27-12-000-000000

**Technical data**

Operating pressure [bar]	60
K-factor	3.27
Flow at operating pressure [l/min]	25,3
Orientation	Pendent
Release temperature [°C]	N/A
Pipe connection ISO8434-1	M12L
Material	Nozzle head CuZn36Pb2As (brass) coated with NiSn
	Nozzle top AISI316L
Painted nozzle colour code [RAL]	N/A
Painted nozzle color gloss	N/A
Old type codes: HNDP-0-12-3.27-00	

For other configurations contact Danfoss Fire Safety A/S

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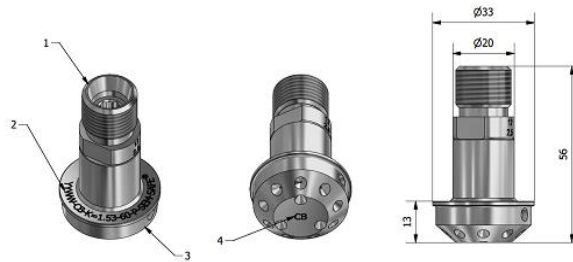
Data sheet | High-pressure water mist

# SEM-SAFE® nozzle

Type code NO-031400-CB-P-1.53-12-000-000000

2022-02-14

- 1 - Nozzle top
- 2 - Marking
- 3 - Nozzle head
- 4 - Nozzle ID



## General information

Nozzle ID	CB
Item no.	114697

## Application

Machinery space, total flooding

Tested in accordance with	IMO MSC 1165: Total flooding in category A machinery spaces and cargo pump rooms
Approved by	DNV,LR,ABS,BV,RMRS,CCS
Nozzle spacing [m]	4,00
Max. ceiling height [m]	5,00
Distance to wall [m]	min 0,50 max 4,00
Max. protected area	Net volume 1.700 m <sup>3</sup>   Scaled net volume 3.400 m <sup>3</sup>
Gross volume 2.006 m <sup>3</sup> Scaled gross volume 4.012 m <sup>3</sup> Staggered pattern	

SEM-SAFE® nozzle NO-031400-CB-P-1.53-12-000-000000

**Technical data**

Operating pressure [bar]	60
K-factor	1.53
Flow at operating pressure [l/min]	11,9
Orientation	Pendent
Release temperature [°C]	N/A
Pipe connection ISO8434-1	M12L
Material	Nozzle head CuZn36Pb2As (brass) coated with NiSn
	Nozzle top AISI316L
Painted nozzle colour code [RAL]	N/A
Painted nozzle color gloss	N/A
Old type codes: HNDP-0-12-1.53-00	

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