A7, A7P

Adjustable fog nozzles

Fire Protection

Manual
0731EN 07/2025

A7
without bumper

A7P

A7
with bumper

A fog nozzle is a firefighting hose spray nozzle that breaks its stream into small droplets.
Fog nozzles play an important part in firefighting tactics due to their versatility.
By doing so, its stream achieves a greater surface area, and thus a greater rate of heat absorption, which, when compared to that of a smoothbore nozzle, speeds its transformation into the steam that smothers the fire by displacing its oxygen.

Versions and product codes

SERIES	SIZE	TYPE	BUMPER	FINISHING
A7	1-1/2"	Hose thread	U/A	Rough Brass Polished Brass Rough Chrome
	1-1/2"	Hose thread	Rubber	Rough Brass Rough Chrome
	2-1/2"			
A7P	1-1/2"	Hose thread	Rubber	Plastic

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Installation

For installation requirements refer to NFPA 14 for Standpipe and hose systems.
These hoses are to be tested after installation in accordance with NFPA 14 whichever is applicable and tested periodically in accordance with NFPA 25.
1) Check size and thread of the nozzle before connecting to the hose.
2) When the system have been thoroughly flushed, ensure that all debris and impurities, are removed.

The nozzle must be installed on a properly sized threaded end coupling using appropriate tools.
During the installation pay attention not to deform any part of the nozzle, as this could compromise the nozzle performance.

Operation

To operate the nozzle turn it clockwise, following the arrows on the body.
To shut off the nozzle, turn it counter clockwise.
For A7 brass nozzles: do not exceed the 50 Nm (440 lbf·in) torque.
For A7P plastic nozzles: do not exceed the 30 Nm (265 lbf·in) torque.
If you are using a wrench, pay attention to not damage the internal components.
In full open position the nozzle provides a straight flow.
In intermediate positions, nozzle provides a spray pattern flow.
When installed in preassembled cabinets, read instructions of the manufacture of the cabinets for operation.

Maintenance

The nozzle should be inspected periodically and after each use.
For inspection, testing and maintenance requirements of Water-Based Fire Protection Systems refer to NFPA 25.
1) It is recommended to conduct at least yearly a flow test.
2) The nozzle should be inspected for damage or corrosion and is not designed to accept replacement parts other than the rubber bumper.
3) The nozzle should be operated by hand, never using a torque bar or other device to exert pressure. Excess torque may damage the seat and/or body.
4) If the nozzle fails to perform as intended, the nozzle should be replaced.

Safety Warning. Installation, commissioning and periodical maintenance of the product must be carried out by qualified operators in compliance with national regulations and/or local standards. A qualified installer must take all required measures, including use of Individual Protection Devices, for his and others' safety. An improper installation may damage people, animals or objects towards which Giacomini S.p.A. may not be held liable.

Package Disposal. Carton boxes: paper recycling. Plastic bags and bubble wrap: plastic recycling.

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Product Disposal. Do not dispose of product as municipal waste at the end of its life cycle. Dispose of product at a special recycling platform managed by local authorities or at retailers providing this type of service.

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WATER E-MOTION

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