

## General

The injection nozzles for chlorine are appropriately combined fittings via which the chlorine solution (hypochloric acid) supplied by the full-vacuum chlorinators is introduced into the water to be treated. The injection nozzle assembly comprises an injection pipe which is screwed into the water pipe, a shutoff valve and a non-return valve. The shutoff valve allows to separate the metering system completely from the water supply, while the non-return valve automatically prevents water flowing back to the metering unit.

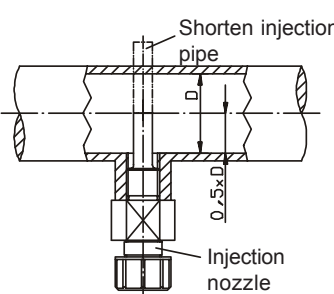
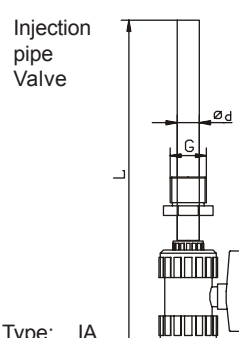
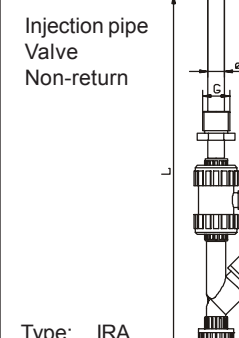
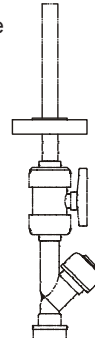
## Selection criteria

The injection nozzle must be selected on the basis of the water volume determined when dimensioning the ejector. The throughput stated for the injection nozzle should be equal to or higher than that for the ejector.

|                             |                      |
|-----------------------------|----------------------|
| Material:                   | PVC and polyethylene |
| Seals:                      | Viton and PTFE       |
| Nominal pressure:           | PN 10                |
| Temperature:                | Max. 40 °C           |
| Seal in non-return valve:   | Viton                |
| Spring in non-return valve: | Hastelloy            |
| Opening pressure:           | 0.1 bar              |



## Dimensions and Part Numbers

|  |           |       |    |  |          |  |          |  |
|-------------------------------------------------------------------------------------|-----------|-------|----|-------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|
| DN                                                                                  | Q<br>m³/h | G     | ød | L                                                                                   | Part No. | L                                                                                    | Part No. | Part No.                                                                              |
| 15                                                                                  | 3         | 1     | 20 | 302                                                                                 | 23428717 | 441                                                                                  | 23428761 | 25963                                                                                 |
| 25                                                                                  | 4,5       | 1 1/2 | 32 | 459                                                                                 | 23428720 | 631                                                                                  | 23428764 | 25958                                                                                 |
| 32                                                                                  | 7,5       | 2     | 40 | 478                                                                                 | 23428722 | 676                                                                                  | 23428766 | 28746                                                                                 |
| 40                                                                                  | 12        | 2     | 50 | 487                                                                                 | 23428723 | 708                                                                                  | 23428767 | 28752                                                                                 |
| 50                                                                                  | 18        | 2 1/2 | 63 | 516                                                                                 | 23428724 | 775                                                                                  | 23428768 | 28760                                                                                 |

## Order example

A chlorinator requires an injection nozzle through which 1.1 m³ chlorine solution is to be injected. A non-return valve must be installed to prevent water flowing back from the system to the ejector and to the booster pump.

## Solution

An injection nozzle with DN 15 is required according to the flow rate. The type IRA already includes a non-return valve. This injection nozzle has Part No. 23428761 and can be screwed into the existing screw sleeve G 1. The flange Part No. 25963 must be ordered additionally if it is to be flange-mounted.

## Declaration of Harmlessness

Please fill out a separate form for each appliance!

We forward the following device for repairs:

Device and device type: .....

Part-no.: .....

Order No.: .....

Date of delivery: .....

Reason for repair: .....

.....

.....

### Dosing medium

Description: .....

Irritating: ☐ Yes ☐ No

Properties: .....

Corrosive: ☐ Yes ☐ No

We hereby certify, that the product has been cleaned thoroughly inside and outside before returning, that it is free from hazardous material (i.e. chemical, biological, toxic, flammable, and radioactive material) and that the lubricant has been drained.

If the manufacturer finds it necessary to carry out further cleaning work, we accept the charge will be made to us.

We assure that the aforementioned information is correct and complete and that the unit is dispatched according to the legal requirements.

Company / address: .....

Phone: .....

.....

Fax: .....

.....

Email: .....

Customer No.: .....

Contact person: .....

Date, Signature: .....

# Warranty Application

Please copy and send it back with the unit!

If the device breaks down within the period of warranty, please return it in a cleaned condition with the complete warranty application, filled out.

## Sender

Company: ..... Phone: ..... Date: .....

Address: .....

Contact person: .....

Manufacturer order no.: ..... Date of delivery: .....

Device type: ..... Serial number: .....

Nominal capacity / nominal pressure: .....

Description of fault:.....

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## Service conditions of the device

Point of use / system designation:.....

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Accessories used (suction line etc.):.....

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.....

Commissioning (date): .....

Duty period (approx. operating hours): .....

Please describe the specific installation and enclose a simple drawing of the chemical feed system, showing materials of construction, diameters, lengths and heights of suction and discharge lines.