

Product Profile




Nozzles

SPN Series



- ✓ **Optimum water distribution**
Full cone nozzle with maximum spray angle of 120°
- ✓ **Low clogging and scaling tendency**
Due to smooth surface design
- ✓ **Constant self cleaning**
By high turbulence in the nozzle body
- ✓ **Easy installation onto the piping system**
Due to BSP thread and hexagon body design
- ✓ **High resistance to a large range of chemicals**
Nozzles are made of glass reinforced polyamide (nylon)

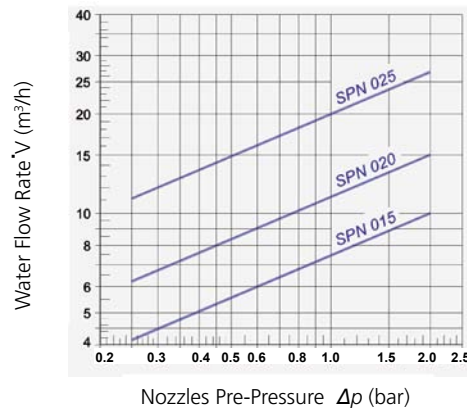
Technical Data

| 2H Type | SPN 015 | SPN 020 | SPN 025 |
|------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| |  |  |  |
| Material | glass reinforced polyamide (nylon) | glass reinforced polyamide (nylon) | glass reinforced polyamide (nylon) |
| Thread ISO 228/1 [inch] | 1½ | 2 | 2½ |
| Thread height [mm] | 17.5 | 19 | 28 |
| Total nozzle height [mm] | 48 | 60 | 75 |
| Spanner width [mm] | 50 | 65 | 80 |
| Spray angle [°] | 120 | 120 | 120 |
| Operation pressure [bar] | 0.2 - 2.0 | 0.2 - 2.0 | 0.2 - 2.0 |
| Permanent service temp. [°C] | 60 | 60 | 60 |
| Max. application temp. [°C] | 80 | 80 | 80 |

Typical Applications

| | |
|-------------------------------------------|---------------------------------------------------------------|
| Liquid distribution in vertical operation | Cooling towers, humidifiers, scrubbers, air coolers, aerators |
|-------------------------------------------|---------------------------------------------------------------|

Flow Diagram



General Remarks

- Axial nozzle is designed as complete cone spiral nozzle which consists of a casing and an insert.
- After correct assembly the nozzle distributes the water with a spray angle of 120°.
- The water flow rate depends on the operational pressure.
- The arrangement in the plant, i.e. nozzle distance and height, is dependent on the respective plant design.

This information has been put together with greatest care. However, any performance data given in this leaflet is subject to compliance with certain surrounding conditions and hence may vary from case to case. Further, we reserve the right to make changes at any time without notice. We strongly recommend (i) reconfirmation with GEA 2H whether this information is still fully valid, before using it for final designs and (ii) to verify performance data taking into account the actual surrounding conditions. GEA 2H takes no responsibility for any consequences due to non-compliance with these recommendations.



GEA Heat Exchangers

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GEA Heat Exchangers

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