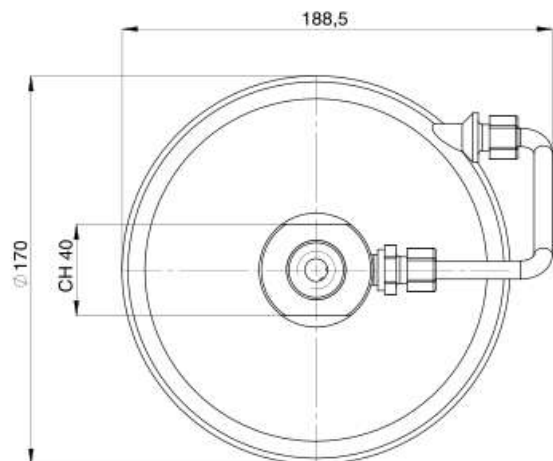
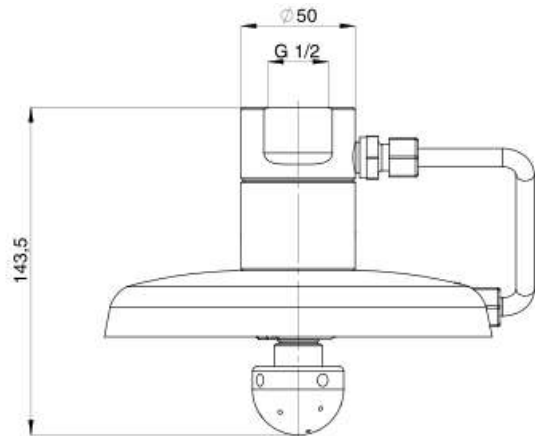
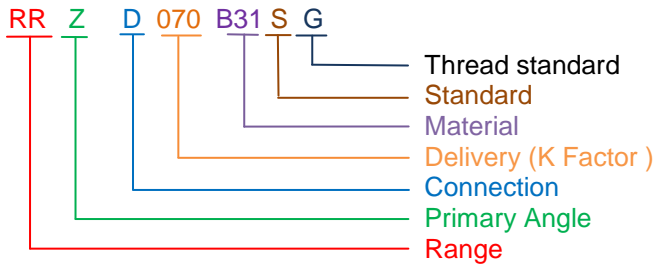
	<h1>DATA SHEET</h1>			TSTI	DS RNP 170011
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The new RR turbine generates an atomized water cone with a large ground cover. This device works with a multi-orifice head connected to a shaft, driven to rotation by a hydraulic turbine. The operating principle is very simple. A suitably sized impeller has the task of transforming the tangential thrust of a water jet into torque applied to a shaft. The delivery fluid is therefore sufficient to actuate the turbine operation, which takes advantage of the pressurized water either to rotate and to generate the spray of the multi-orifice head. The high rotation makes simple dart throws recreate a discreetly atomized water cloud, uniformly distributed over a perfect circumference. The simple construction architecture makes it an easy and fast product in all installation and maintenance operations.

Coding

Dimensional Drawing



Technical Features

- Connection: 1/2" BSP
- Wrench Size: 40 mm
- Main Material: AISI 316L



Dimensions in mm
 Dimensions without tolerance: linear tolerances ± 0.1 mm



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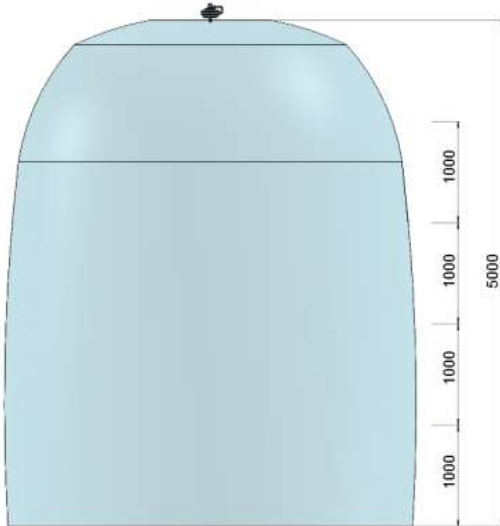
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RRZ D070 B31SG

Dwg rev.

X2

Spray cone pattern

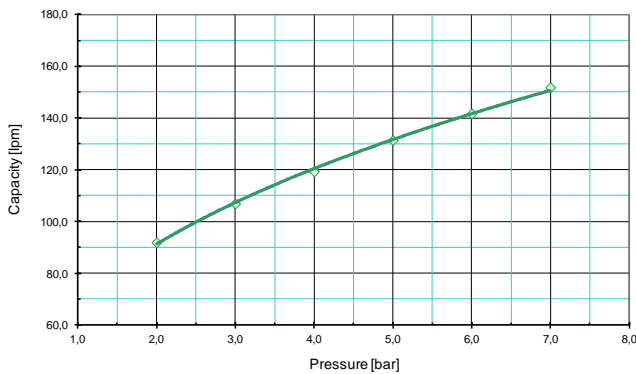


Main Performances

- Working pressure: 5 bar
- Fluid flow rate: 130 lpm
- Spray angle of departure: 180 °
- Spray pattern : round full cone

More information can be obtained from the underlying charts.

Flow rate chart

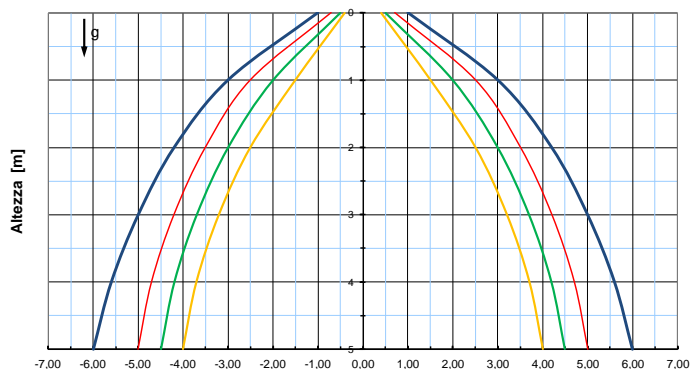


The multi-orifice head is able to achieve an instant 180 ° spray angle that quickly converts into a full-size, with a quality of atomized spray increasing when pressure increases.

At low pressures (from 1 to 2 bar), a wider wetting radius is achieved, up to 6 m., while maintaining a rather coarse drop diameter.

At higher pressures (around 5 bar), atomization is favored by a considerable reduction in drop diameter, which creates a very fine rain effect on the ground.

Wetting radius chart



Wetting radius at different pressures

- 5 bar
- 4 bar
- 3 bar
- 2 bar

Wetting Radius (m)