



Fluidics

Instruments



FLUID HANDLING AND CONTROLLING EQUIPMENT



Fluidics Instruments

Company profile

Fluidics Instruments B.V. was established in 1977 and since then is showing a steady growth. The company is specialised in development and manufacturing of atomisers, burnerlances and related products for oil burners.

To achieve an optimal technical solution together with the customer, our engineering team likes to be involved in an early stage of development.

QualityMasters



Quality management

Fluidics Instruments B.V. is certified according to NEN-EN-ISO 9001. This implies constantly improving and optimizing the quality control system. Our company is also certified by TÜV CERT Certification Body for Pressure Equipment. We operate in accordance to the European Directive 97/23/EC. This allows us to affix the CE marking to pressure equipment. (CE0035)





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Simplex atomisers, Standard Technology

Fluidics Instruments introduced a new type of simplex atomiser to fulfil the demands of the market. Therefore, we have developed our Fluidics Instruments Standard Technology (FIST). This atomiser is manufactured with a few modifications to achieve a price reduction.

Flow rate	0.40 - 15.00 Gph
Spray angle	45° - 60° - 80°
Spray pattern	Solid - Hollow



Simplex atomisers, no compromises

The simplex atomiser Fluidics Instruments has been manufacturing for many years now, has been developed up to a level of quality without compromises. It certainly is not a cheap product, but offers a lot of advantages in demanding applications where quality and reliability are of top importance.

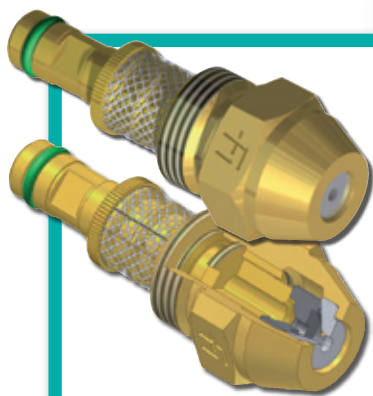
Flow rate	0.20 - 50.0 Gph
Spray angle	45° - 60° - 80°
Spray pattern	Solid - Hollow

The 'chamber' at the front of the atomiser protects the cone of the bore to prevent damage caused by possible rough handling. The filters consist of sintered bronze balls instead of cut-wire, resulting in a better mutual bond and a much more uniform filter maze. Besides the ribbed outer filter, to provide a larger filter area, a secondary inner filter is mounted. The internal geometry makes the flow rate less depending on changes in oil temperature. These atomisers are 100% tested, within narrow tolerances in terms of flow rate, spray angle and spray pattern.





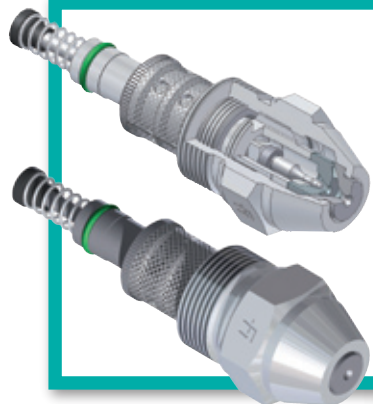
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Spill-back atomisers TYPE 9

Flow rate 8 - 250 kg/h
Spray angle 30° - 35° - 45° - 50° -
60° - 70° - 80°
Turndown 1:3 - 1:5

Without tip shut-off needle
Spray pattern adapted to the
character of the combustion head



Spill-back atomisers TYPE 12

Flow rate 20 - 750 kg/h
Spray angle 30° - 35° - 45° - 50° -
60° - 70° - 80°
Turndown 1:3 - 1:5

With and without tip shut-off needle
Spray pattern adapted to the
character of the combustion head



Disc atomisers

Flow rate 100 - 5000 kg/h
Spray angle 30° to 80°
Turndown 1:3 - 1:6

With and without tip shut-off needle
Spray angle and pattern matching
the individual burner head



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Air and steam atomisers

Flow rate 2.5 – 5000 kg/h
Spray angle 20° to 120°
Turndown 1:5 - 1:10 with constant
spray-angle

With and without tip shut-off needle



Burnerlances

For all flow rate ranges, matching all
types of atomisers

With or without integrated volume
regulator. With or without electrical
pre-heater.

Various actuating systems to control
the shut-off needle

- H by oil,
no external valves supplied
- EH by oil,
with integrated solenoid valve
- HA by air,
no external valves supplied

All types are "safety shut-off devices
for combustion plants" according to
and conform EN 264 when used in
combination with original Fi
atomisers or atomiser parts.

