

## Rotary Atomizer Type FS1

- Lightweight - hand carried
- No gear box - no oil
- No possibility of product contamination by lubricant



# Rotary Atomizer Type FS1

## The atomizer drive\*

The atomizer drive consists of two parts. The upper part comprises the motor and its support, both protected by a stainless steel cover with air cooling vents. The motor is a 2-pole, high frequency, high speed, vertical flange type. The lower part comprises the support for the guide bearing, feed pipe assembly and liquid distributor, all enclosed by a conical skirt. The spindle is designed after the flexible spindle concept so that fluctuations in feed rate and other imbalances are compensated during atomizer operation, thus preventing spindle and bearing damage. The bearings are of the grease-lubricated, single row, radial, high speed type design to prevent any product contamination by lubricants.

The atomizer is supplied with the following operating and safety instrumentation:

- Tachometer to indicate spindle speed.
- Ammeter to indicate performance.
- Running hour-meter to indicate total hours of operation.

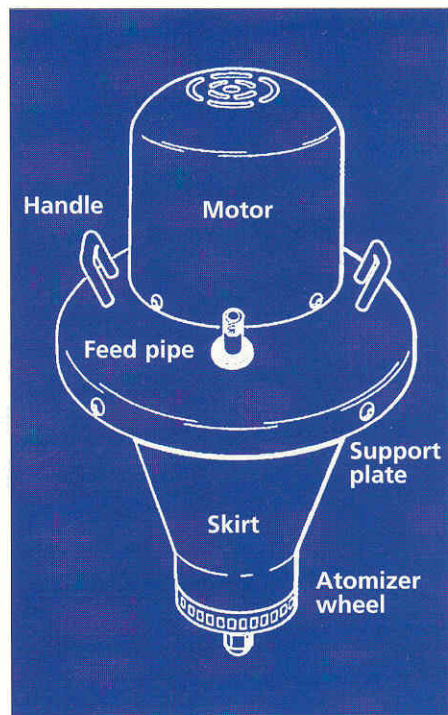
- Motor temperature alarm to protect against motor overheating.
- Spindle vibration alarm to protect against excessive vibration conditions (optional extra).

All parts in contact with feed comply with 3A and similar national sanitary directives.

## The atomizer wheel

The FS1 is supplied with various designs of atomizer wheel. Selection depends upon the abrasive characteristics of the feed.

A 24 straight vane wheel handles non-abrasive feeds. Bushing and pin wheels handle abrasive feeds where all parts in contact with feed are made of wear resistant alumina or carbide material.



## Specification

Wheel diameter	100 mm
Wheel speed range	10,000 - 30,000 rpm
Feed rate (max.)	120 kg/h at 30,000 rpm
Feed pipe	1/4" BSP
Weight	16 kg
Motor size	1.2 kW
Noise level (silencer installed)	Below 70 dB(A) at 30,000 rpm

\* Patented