

UNIWAVE TECHNOLOGY:

Precision in lubrication and cleaning



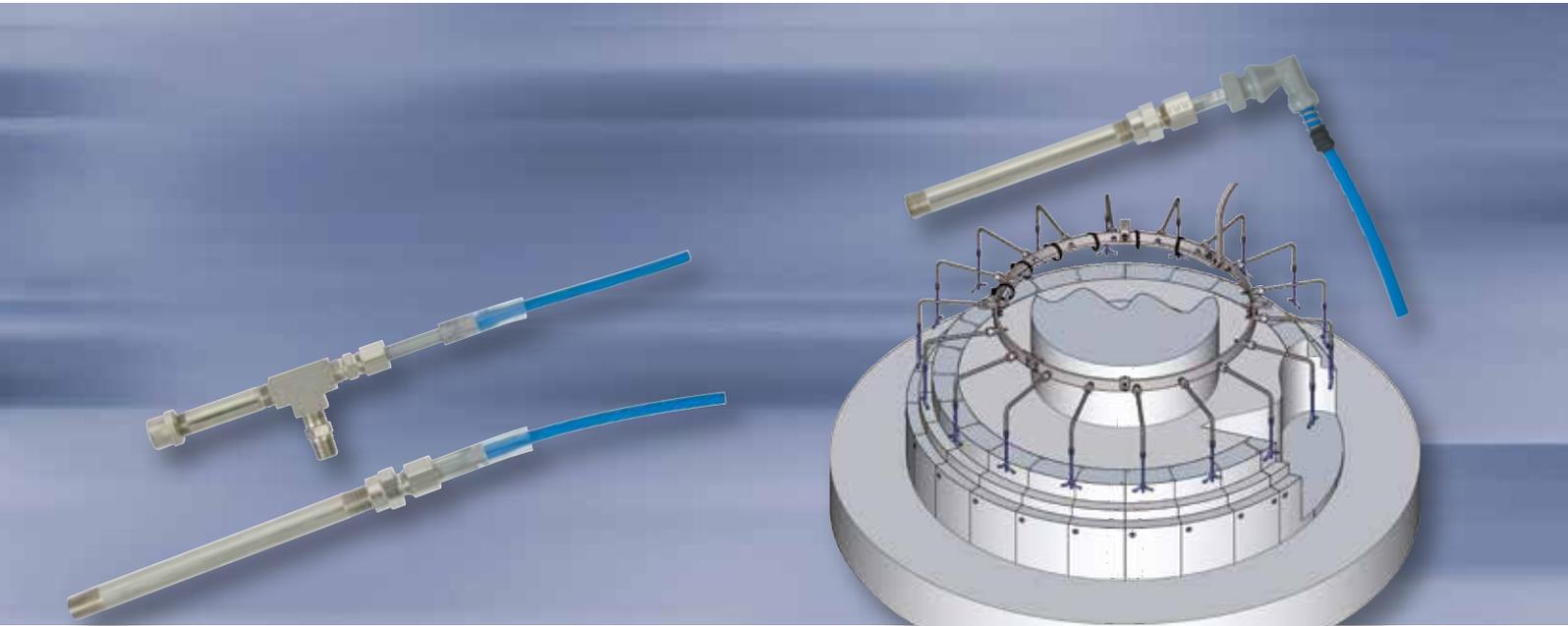
PROJECTILE 419

Evenly and economically lubrication
with patented nozzle system



PROJECTILE ECO

Compact, stable and
pollution free

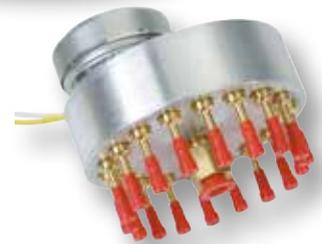


SINGLE KNIT FLUTTER BLOWER

Most thoroughly cleaning
through flutter principle

DOUBLE KNIT FLUTTER BLOWER

Most effective cleaning
for double knit machines





PROJECTILE 419

Evenly and economically lubrication with patented nozzle system

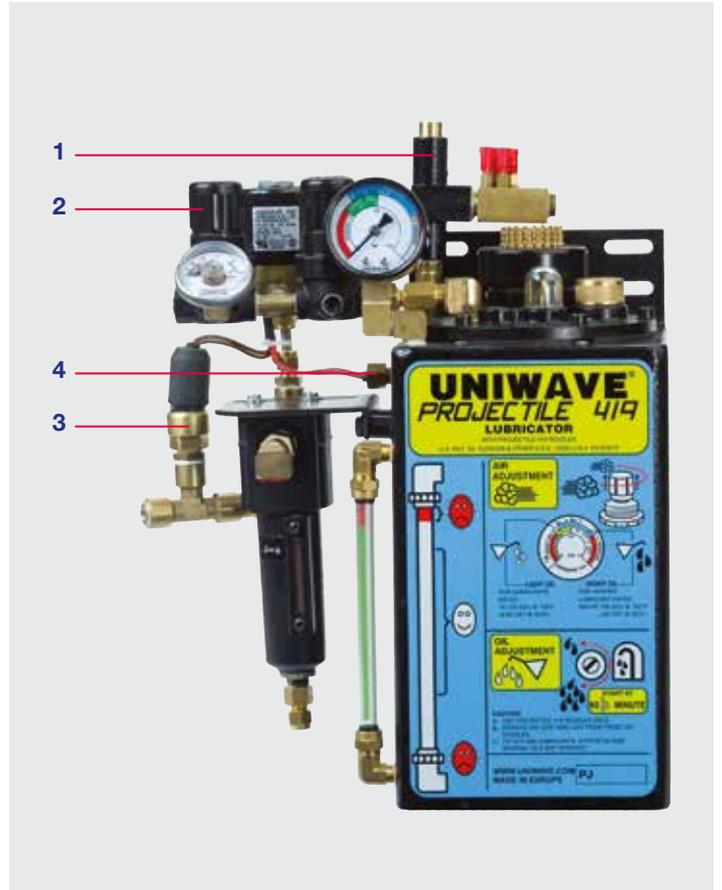
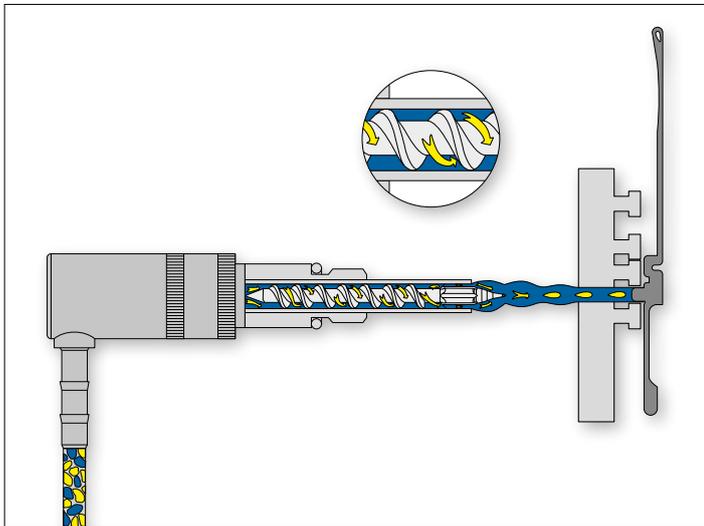
The PROJECTILE 419 lubricator provides uniform lubrication to needles, cam tracks, sinkers and other knitting machine components. The patented nozzle construction separates the air-oil mixture into air and droplets of oil. This method considerably reduces oil mist in the knitting workshop and ensures that the oil only goes to the components to be lubricated.

The compact PROJECTILE 419 lubricator is strongly constructed to ensure a long service life.

Applications	
■ Circular knitting machines	Flat knitting machines
■ Sock machines	Warp knitting machines
■ Hosiery machines	Seamless machines

Advantages

- The patented atomizing and nozzle system enables a major reduction in compressed air consumption. This enables considerable savings in power and operating costs
- The PROJECTILE 419 supplies each of the 20 lubrication points with the exactly the same amount of oil
- The knitting machine gearbox can be lubricated from the two low-flow connections on the PROJECTILE 419 unit. The low-flow connectors supply a sixth of the oil supplied by the other lubrication connections on the PROJECTILE 419
- Strong construction
- No oil mist health hazard in production areas
- The UNIWAVE lubricator meets the quality standards of Europe, USA and Asia



1 Flusher

The flusher unit flushes and cleans knitting components. This unit is suitable for both manual and electrical control.

2 Air-regulator unit

A second air-regulator unit is required to regulate the air supply to the cleaning system.

3 Low pressure sensor (optional)

This sensor stops the knitting machine when the compressed air supply to the knitting machine is interrupted.

4 Low oil level sensor

The sensor stops the knitting machine immediately the oil level drops below the preset minimum.



Technical Data

- 20 lubrication points
- Two, low-flow connections
- Compact oil reservoir
- Long, reliable service life guaranteed



PROJECTILE ECO

Compact, stable and pollution free

The PROJECTILE ECO lubricator provides uniform lubrication to needles, cam tracks, sinkers and other knitting machine components. The patented nozzle construction separates the air-oil mixture into air and droplets of oil. This method considerably reduces oil mist in the knitting workshop and ensures that the oil only goes to the components to be lubricated.

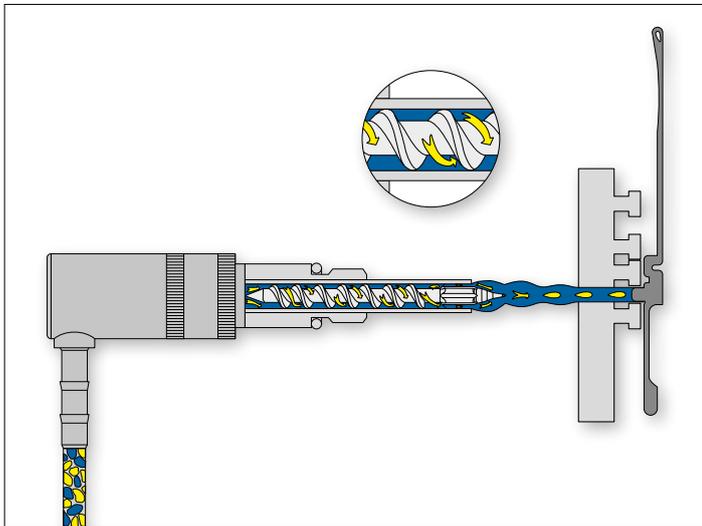
The PROJECTILE ECO lubricator is compact and strong to ensure a long service life.

Advantages

- The patented atomizing and nozzle system enables a major reduction in compressed air consumption. This enables considerable savings in power and operating costs
- The PROJECTILE ECO supplies each of the 16 lubrication points with the exactly the same amount of oil
- Strong construction
- No oil mist health hazard in production areas
- The UNIWAVE lubricator meets the quality standards of Europe, USA and Asia

Applications

■ Circular knitting machines	Flat knitting machines
■ Sock machines	Warp knitting machines
■ Hosiery machines	Seamless machines



1 Flusher

The flusher unit flushes and cleans knitting components. This optional unit is suitable for both manual and electrical control.



2 Air-regulator unit

A second air-regulator unit is required to regulate the air supply to the cleaning system.



Low pressure sensor (optional)

This sensor stops the knitting machine when the compressed air supply to the knitting machine is interrupted.

Low oil level sensor

The sensor stops the knitting machine immediately the oil level drops below the preset minimum.

Technical Data

- 16 lubrication points
- No low-flow connection
- Low-cost alternative to PROJECTILE 419
- Compact oil reservoir
- Long, reliable service life guaranteed



SINGLE KNIT FLUTTER BLOWER

Most thoroughly cleaning through flutter principle

The SINGLE KNIT FLUTTER BLOWER is designed for single knit machines and has an exceptional flutter action to ensure that critical components on the knitting machine are kept absolutely clean. This blower greatly reduces fly fibres, fibre waste, lint and dust deposits on critical machine parts. The fluttering output tubes clean much more thoroughly than conventional nozzle cleaners. The slow, uniform rotating movement of the blower is independent of machine speed. The fluttering action ensures thorough cleaning even on high-speed knitting machines. The system is particularly efficient on machines processing cotton and elastane.

Advantages

- The SINGLE KNIT FLUTTER BLOWER can be used in combination with a high-pressure AIR SEQUENCER controlling six outlets. Flutter blowers consume 66 % less air than conventional blowers
- The FLUTTER BLOWER ensures that the working area around the machine is completely free from lint
- Solid, strong construction guarantees a long service life for the unit
- Cost-effective cleaning system for yarn guides on knitting machines
- Exceptional cleaning power on knitting machines
- Great savings in compressed air consumption
- Efficient, cost-effective cleaning system

Applications	
■ Circular knitting machines	Flat knitting machines
■ Sock machines	Warp knitting machines
■ Hosiery machines	Seamless machines

FLUTTER BLOWER

The FLUTTER BLOWER is an exceptionally efficient blower for cleaning critical knitting points



LINT BUSTER (optional)

The LINT BUSTER has a very thin blower surface which covers an angle of 70°. The LINT BUSTER will even keep high yarn guides clean.



COMB BLOWER (optional)

COMB BLOWERS are very flexible and can be individually adjusted to match the knitting component to be cleaned. Using the two adjustable nozzles ensures an effective cleaning action.



AIR SEQUENCER (optional)

The FLUTTER BLOWER is a high-efficiency unit and each tube only requires a supply of compressed air for 10 seconds every minute. The AIR SEQUENCER is designed to provide the intermittent air supply required. The AIR SEQUENCER supplies air to each of the six blower outlets for the time required at preset time intervals. The cleaning intervals are set using the timer. The cleaning unit ensures that the knitting machine is kept exceptionally clean. This system enables great savings in compressed air consumption.





DOUBLE KNIT FLUTTER BLOWER

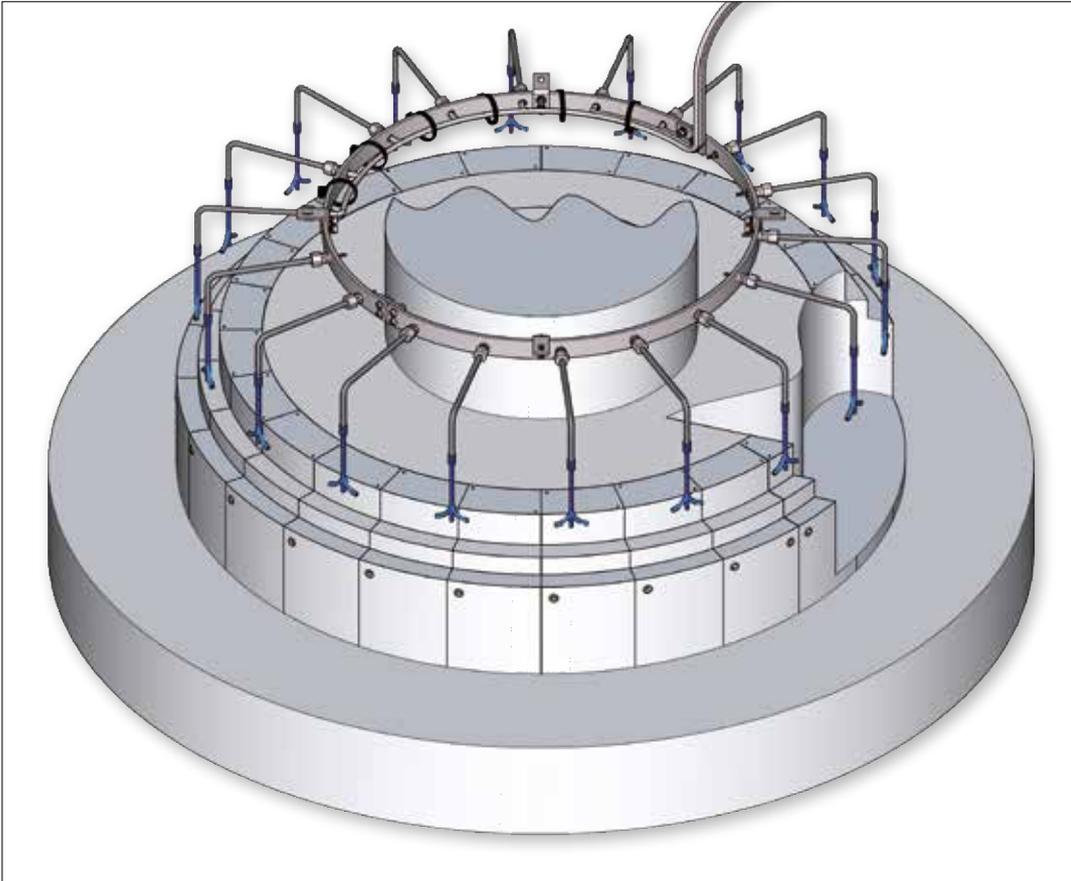
Most effective cleaning for double knit machines

The DOUBLE KNIT FLUTTER BLOWER is designed for double knit machines and has an exceptional flutter action to ensure that critical components of the knitting machine are kept absolutely clean. Compressed air at a controlled pressure flows from the air distributor through distributor hoses to the individual FLUTTER BLOWER tubes. The FLUTTER BLOWERS are positioned in a circle around the machine. The blower nozzles operate one at a time in sequence. Only one blower operates at a time. These features combine to provide an exceptionally effective cleaning action. The fluttering action of the blower is unpredictable which means that the knitting components are blown from a variety of angles. The FLUTTER BLOWER cleans much more thoroughly than conventional nozzle cleaner systems.

Advantages

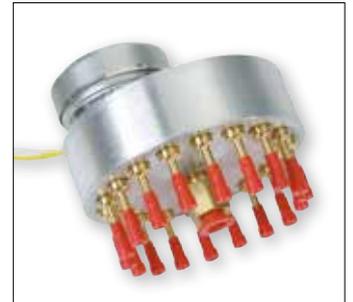
- The DOUBLE KNIT FLUTTER BLOWER ensures that the working area around the machine is completely free from lint
- Solid, strong construction guarantees a long service life for the unit
- Cost-effective cleaning system for yarn guides on knitting machines
- Exceptional cleaning power on knitting machines
- The AIR SEQUENCER operates each FLUTTER BLOWER individually for 1.5 seconds
- High compressed air savings
- Efficient, cost-effective cleaning system

Applications	
■ Circular knitting machines	Flat knitting machines
■ Sock machines	Warp knitting machines
■ Hosiery machines	Seamless machines



Air Sequencer

The AIR SEQUENCER with 18 outlets supplies compressed air to the individual FLUTTER BLOWER tubes. The FLUTTER BLOWER nozzles are mounted directly over the knitting point and are operated one at a time.



FLUTTER BLOWER

The DOUBLE KNIT FLUTTER BLOWER is mounted on the spider support of the knitting machine. Machine manufacturers can mount the FLUTTER BLOWER directly onto the yarn guide ring or near the rib and cylinder areas of the knitting machine.

Air-regulator unit (optional)

Filter-regulator unit for the precision setting and control of the compressed air supply to the FLUTTER BLOWER.

ADVANCED KNITTING TECHNOLOGY

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