



## MPF L

Positive Feeder: Low tension, uniform feed from yarn bobbin to needle

Smooth, 100% positive yarn feed is a major factor in ensuring fabric quality and fault-free fabric. The MPF L features a self-cleaning tensioner ring on the yarn infeed tensioner and a closed, low-wear winding reel. Other features include a built-in anti-filamentation device and yarn outfeed tension values lower than 1 cN.

The design specification for the MPF L stipulated that the unit must be easy to operate, require little maintenance, must feature low wear components and have a long life cycle. The specification has been met in full.

### Advantages

- The self-cleaning vibrating yarn tensioner prevents false stoppages and thus increases production rates
- A magnetic tension ring applies a uniform tensioning force - incorrect setting is no longer possible
- Built-in anti-filamentation unit
- Low-wear, corrosion proof, closed winding reel
- Very low yarn tension possible
- Back winding due to yarn overfeed caused by fabric fault also possible
- High-quality plastic base unit saves weight

## MPF L: components

### 1 Vibrating yarn tensioner

The tension rings vibrates against the yarn direction of feed. This prevents the build up of dirt between the tension rings and ensures they are self-cleaning.



### 2 Closed winding reel

The closed, low-wear winding reel prevents filament build up when processing filament yarns.



### 3 Built-in anti-filamentation unit

When processing filament yarns capillary filaments can collect on the winding reel and interfere with smooth yarn feed. The user can prevent this by selecting the high take off position for fibre yarns and the low take off position for filament yarns.



### 4 Infeed arm (optional)

This eliminates the obstruction as with the normal infeed bracket and so makes it quicker to change the drive belt on the MPF.



### MPF LF versions

The MPF LF series positive feeders are designed to feed yarn to circular knitting machines with constant or variable yarn consumption. On machines with variable yarn consumption (e.g. drop stitch pattern or mini Jacquard machines) the MPF LF should be run in the friction mode. On machines with constant yarn feed the MPF LF should be run in the positive feed mode.



## Technical Data

Shutdown current circuit for yarn break	
Rated voltage (machine stoppage):	12 V or 24 V
Rated current:	60 mA or 50 mA
Min. yarn tension:	1 cN
Weight (according to version):	from 430 g to 660 g (approx.)

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

ADVANCED KNITTING TECHNOLOGY

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