

DANCERS & ACCUMULATORS

Engineered Armouring Solutions

For Accumulation and Speed Regulation of Wire & Cable, Hose and Conduit.

GENERAL OVERVIEW

- Single and multi-loop units
- Horizontal and vertical directions
- Pneumatic or electric actuation
- For up to 5" diameter products, using up to 48" diameter sheaves
- Articulating Dancers for off-centerline products requiring a fleeting angle
- For multiple product and material types
- 4 - 20mA or 0 - 10 VDC analog feedback, along with end of stroke sensing
- Optional product clamping and perimeter safety fencing
- Optional integrated controls for sequential winding or preceding unwinding equipment

Dancers are primarily used for speed regulation of winding or unwinding equipment. They can act as the primary mode of regulation, or as a trim to another speed reference. They can be linear or pivoting for inline applications, or articulating for applications whereby the product requires a fleeting angle entrance to the process centerline. They are usually used in slower line speed applications.

Accumulators provide an unlimited amount of product accumulation, usually determined by the process line speed and length of time the process is stopped or slowed down. Accumulators can be positioned in any direction; vertical, horizontal, or angular, and can be actuated either pneumatically or electrically.

The sheave size can vary for both **Dancers and Accumulators**, and is largely dependent on the maximum product size as well as the allowable bending radius of the product.

SPECIFICATIONS

MACHINE TYPE	MAX. PRODUCT SIZE	LINE SPEED RANGE	MAX. STROKE
VERTICAL DANCER	5"	1-200 FEET/ MINUTE	4'
ARTICULATING DANCER	5"	1-100 FEET/ MINUTE	6'
ACCUMULATOR	4"	10-1000 FEET/MINUTE	NA



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KEY FEATURES

Accumulators

Accumulators can also be supplied with pneumatic cylinder actuation, pressure adjustable to control the tension on the product. They can also be supplied with electrical motor actuation such that the torque is controlled, thus controlling the product tension.

Accumulators can be suited to the desired amount of accumulation required. The stroke can be suited to the available space, which in turn determines the number of loops required.

Dancers

Vertical Dancers are usually supplied with pneumatic cylinder actuation, pressure adjustable to control the tension on the product.

Articulating Dancers can be pneumatically activated, gas spring actuated, or mechanically adjustable via a weight.



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