



John Meunier ROTOPAC®
TYPE RLK
SHAFTLESS SCREW CONVEYORS

WATER TECHNOLOGIES

John Meunier ROTOPAC® Type RLK Shaftless Screw Conveyors

The RLK series Screw Conveyors provides a cost effective solution for bulk solids handling.

Solids are conveyed by a heavy-duty shaftless spiral screw that rotates on a wear resistant liner without any intermediate bearing. This method provides high throughput without entanglement or clogging with significantly reduced and simplified maintenance requirements. The spiral is highly resistant to wear to provide durability. Conveyors are available with single or dual screws.

- Liners are available in various materials to suit the application
- Shafted screws are also available on request.

It can be...

- Set horizontally, at an angle or vertically
- Designed with single lengths up to 130 feet
- Designed for vertical lift height up to 32 feet
- Supplied with feed hoppers
- Supplied with covers for odor control
- Designed to alternate the discharge end point
- Supplied with multiple discharge points using discharge closure gates
- Designed to pivot for diverting discharge point
- Supplied in multiple units for longer transport length

Veolia Water Technologies Canada offers complete John Meunier headworks solutions. We are recognized for our expertise in complete headworks design. We provide efficient solutions, combining key equipment from our product line. Call us today to find out about our great products!



HORIZONTAL SET UP
Lengths up to 130 feet



VERTICAL SET UP
For smaller foot print



PIVOTING SET UP
For diverting discharge points

Specifications

Capacities

Up to 1765 Ft³/h depending on the application.

Fabrication

Housing and accessories: Stainless steel (AISI 304 or AISI 316 on request)

Spiral: Micro-Alloy steel or Stainless steel on request (AISI 304 or 316)

Liners: High density non-metallic material or stainless steel (depending on the supplication)

Available sizes

6 inches to 24 inches (diameter)

Selection Charts

(For reference only)

Please contact Veolia Water Technologies Canada for specific applications.

For vertical installation use 15° - 30° numbers

Benefits

- Efficient handling of difficult solids
- Exceptional performance ratio
- High throughput efficiencies
- Requires less space compared to traditional conveying systems
- Easy access for cleaning and maintenance
- Low maintenance requirements
- Few spare parts required
- Straightness of screws provides durability

Typical Applications

Municipal, industrial or commercial applications:

- Food processing,
- Abattoirs
- Pharmaceutical
- Chemical industry
- Pulp and paper industry

Applications Parameters				Screenings or Granular Solids			Sludge or Slurry		
Size (inch)	Incline Range	Spiral Type	Length (feet)	Capacity (Ft ³ /h)	Motor (HP)	Rotation (RPM)	Capacity (Ft ³ /h)	Motor (HP)	Rotation (RPM)
6	0-15°	standard	0-66	18	0.5	15	53	.75	29
6	15-30°	reinforced	0-66	11	0.75	15	28	1.0	29
8	0-15°	standard	0-66	35	0.75	15	106	1.0	29
8	15-30°	reinforced	0-66	21	0.75	15	60	1.0	29
10	0-15°	standard	0-66	85	1.0	15	247	2.0	29
10	15-30°	reinforced	0-66	39	1.5	15	138	2.0	29
12	0-15°	standard	0-82	134	2.0	15	389	3.0	29
12	15-30°	reinforced	0-82	64	2.0	15	212	3.0	29
16	0-15°	standard	0-98	283	3.0	15	812	5.0	29
16	15-30°	reinforced	0-98	134	3.0	15	459	5.0	29
20	0-15°	standard	0-118	600	5.0	15	1589	7.5	29
20	15-30°	reinforced	0-118	28	5.0	15	918	7.5	29

Resourcing the world

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