

# Conveyor selection chart\*

**Key:**

- 1 Multiple linked conveyor configurations allow longer conveying routes
- 2 Requires multiple conveyors & drives
- 3 Extremely restricted elevating capabilities
- 4 Requires additional features to condition motive air
- 5 Application-dependent

	Flexible screw conveyor	Conventional screw conveyor	Aeromechanical conveyor	Pneumatic conveyor	Tubular cable drag conveyor	Heavy-duty drag chain conveyor	Ultra-heavy-duty drag chain conveyor	Troughed belt conveyor	Cleated belt conveyor	En masse conveyor	Bucket elevator	Vibrating conveyor
<b>General features</b>												
High volume	●	●	●	●				●	●	●	●	●
Medium volume	●	●	●	●	●	●	●	●	●	●	●	●
Low volume	●				●	●	●					
Variable conveying rate	●	●			●	●	●					
Low maintenance	●	●	●		●	●	●			●		●
Low installation costs	●		●									
High installation costs		●		●	●		●	●	●	●	●	●
Low energy consumption	●		●		●	●	●					●
High energy consumption				●	●							
0 to 65 feet (0 to 20 meters)	1	1	1	●	●	●	●	●	●	●	●	1
66 to 98 feet (20 to 30 meters)	1	1	1	●	●	●	●	●	●	●	1	1
98 to 394 feet (30 to 120 meters)	1	1	1	●	1	1	1	●	●	●	1	1
More than 394 feet (120 meters)	1	1	1	●	1	1	1	●	●	●	1	1
<b>Functional features</b>												
Totally enclosed	●	●	●	●	●	●	●			●	●	
Multiple inlets	●	●	●		●	●	●	●	●	●		●
Multiple outlets	●	●	●	●	●	●	●			●	●	●
Multiplane path	2	2		●	●	●	●	2	2	1	1	1
Can elevate	●	●	●	●	●	●	●	3	3	●	●	3
Variable conveying rate	●	●	●	●	●	●	●	●	●	●	●	●
Self-cleaning			●	●	●	●	●	●	●			●
Dust-tight	●	●	●	●	●	●	●			●	●	
Gentle action	●	●	●	●	●	●	●	●	●		●	●
Pressure-tight				●						●		
Self-feeding	●	●			●	●	●			●		●
Requires dust filtration				●								
<b>Bulk materials handled</b>												
Sludge		●			●	5	●	●	●			
Slurry						5	5					
Moist		●			●	5	●	●	●			
Dry	●	●	●	●	●	●	●	●	●	●	●	●
Hot	●	●		●	●	●	●	●	●	●	●	●
Cold	●	●	●	●	●	●	●	●	●	●	●	●
Hygroscopic	5	●		4	●	5	●				●	
Maintains blend	●	●	●		●	●	●		●	●	●	

\* Note: Courtesy Spiroflow Systems, Monroe, NC.