

STANDARD COMPONENTS	
Conveyor Tubing	<p>Straight Tube Sections Micro-welded 304 stainless steel tubes with tube compression couplings are joined to adjacent sections as required by the specified layout.</p>
Disc & Cable Assembly	<p>Disc & Cable Assembly includes:</p> <ul style="list-style-type: none"> ○ 1/4" / 65mm stainless steel cable with polyurethane discs molded over stainless steel ferrules on 6" (15cm) centers. ○ The 5" / 125mm conveyor has 5/8" / 1.50mm cable. ○ A slotted end fitting is used to make an endless cable. ○ The discs are made from USDA accepted UHMWPE polyethylene. Optional Hytrel discs are available for high temperature applications. See optional components below. <p>Straight Tube Sections Micro-welded 304 stainless steel tubes are used. Tube compression couplings join adjacent sections as required.</p> <p>Couplings Galvanized or stainless steel couplings are placed every 20 ft (6m) and at every housing, valve, and bend/sweep.</p>
Drive Housing	<p>The Drive Housing Assembly includes:</p> <ul style="list-style-type: none"> ○ A stainless steel fabricated housing ○ Cover plate on the top face ○ Food grade natural gum rubber gaskets ○ Conveyor tube flared ends for entry and exit into the housing ○ Drive shaft ○ Gearbox mounting flange with packing seal ○ Sprocket with guides ○ Sprocket mounting hub with key and a keeper plate ○ Discharge chute transition to a spigot
Conveyor Drive Motor	<p>A 3 - 5 hp / 2.2 - 3.7 kW motor is selected based on application requirements. Optional explosion proof drive motors are available.</p>
180° Idler Housing & Patented Auto Tensioning Device	<p>A 180° idler housing & automatic tensioning device is included as part of the base conveyor.</p> <p>180° Idler Housing Assembly includes:</p> <ul style="list-style-type: none"> ○ A stainless steel fabricated housing ○ Cover plate on the bottom face ○ Food grade natural gum rubber gaskets ○ Conveyor tube flared ends for entry and exit into the housing ○ The idler shaft, bearing and seal is assembled in a machined aluminum housing ○ Sprocket with guides ○ Sprocket mounting hub with key and a keeper plate ○ Clean out chute with a stub to connect to dust extraction/vacuum <p>Automatic Tensioning Assembly</p> <p>Spiroflow's patented automatic tensioner applies a constant pre-load to the conveyor's cable and disc assembly and compensates for the natural change in length of the cable during its life cycle.</p> <p>A pneumatic actuator anchored at one end applies a linear force to the free moving Cableflow housing mounted on 2 linear bearings. A manually adjustable precision filter regulator is employed to ensure that there is never too much pressure applied to the actuator and this limits the linear force (tension) applied to the conveyor. The pneumatic circuit prevents the total loss of linear force and tension if the air supply is interrupted.</p> <p>Includes:</p> <ul style="list-style-type: none"> ○ Mounting hardware ○ Pneumatic Actuator with check valve ○ Precision Regulator and lockout valve ○ Pneumatic hardware and airline
Gravity Inlet Chute	<p>A gravity inlet chute is included in the base model conveyor. Optional tube mounted inlets are available. See optional components.</p>
Gravity Discharge Chute	<p>A gravity discharge chute is included in the base model conveyor. Optional tube mounted outlets are available. See optional components.</p>