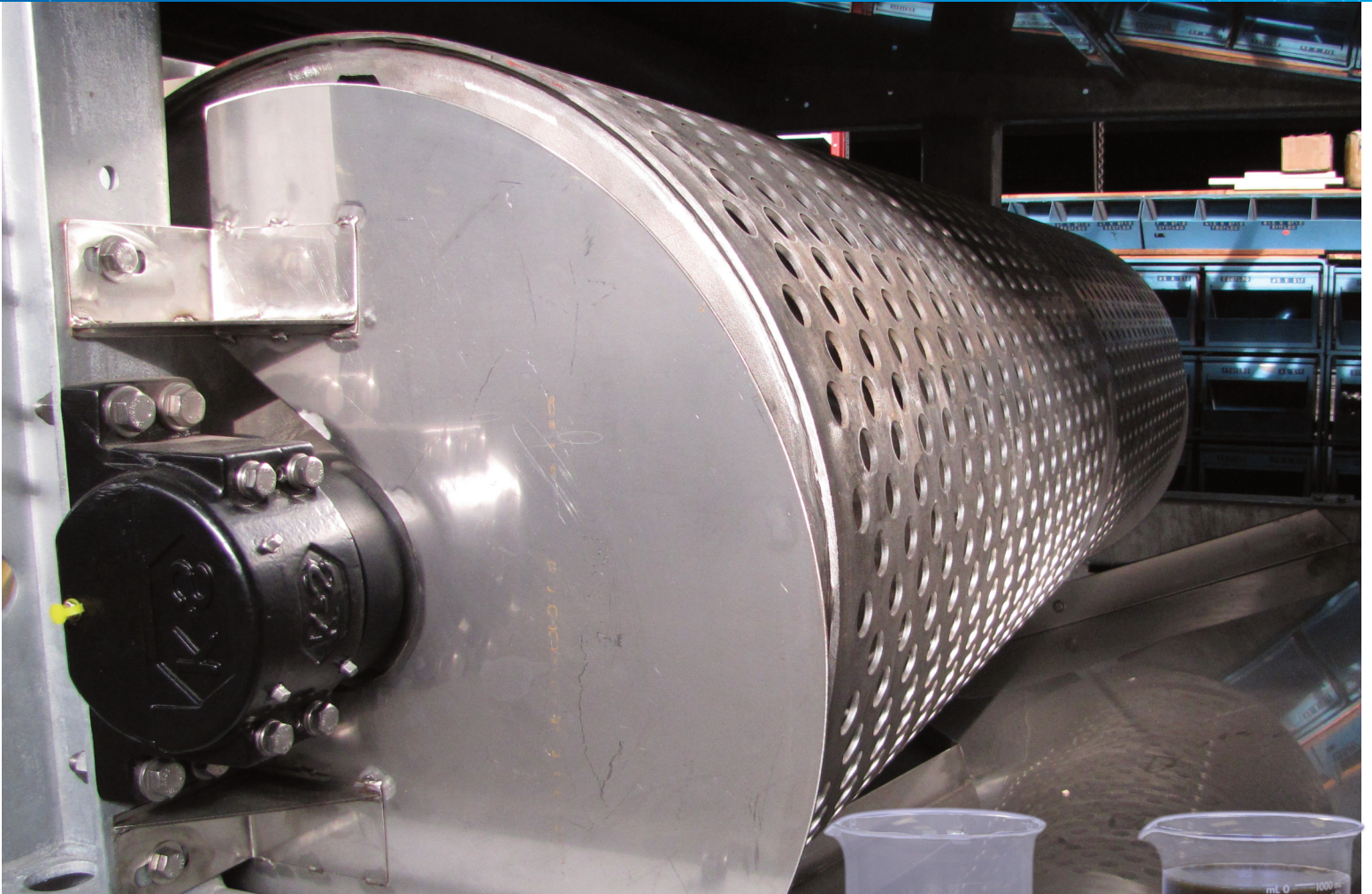
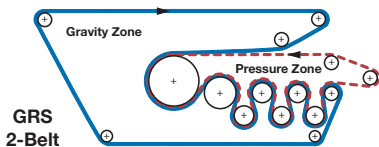




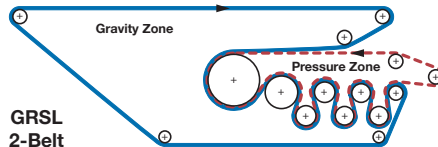
Komline-Sanderson



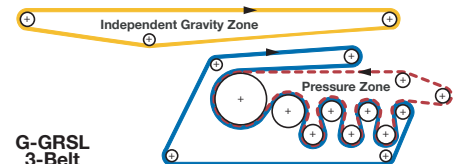
Kompress® Belt Filter Press



GRS
2-Belt



GRSL
2-Belt



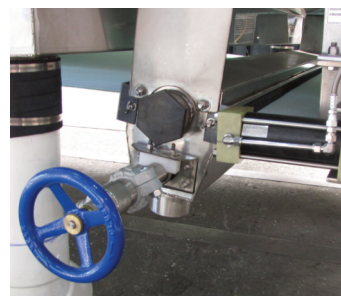
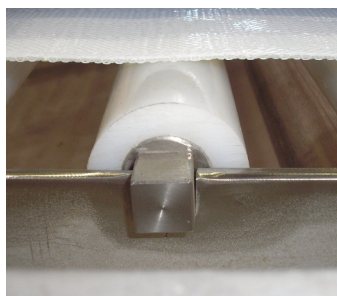
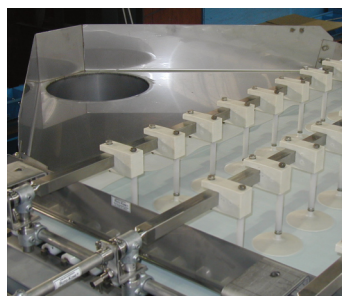
G-GRSL
3-Belt

2-Belt System with Standard Gravity Zone (GRS) - The standard 2-belt gravity dewatering system utilizes one of the pressure belts in the gravity zone. Use for sludges having feed solids concentrations of 1.5% and greater, or where there is no additional benefit to retaining thickened solids in the gravity section for longer periods of time.

2-Belt System with Extended Gravity Zone (GRSL) - The extended 2-belt gravity dewatering system provides a larger gravity filtration area for slow-draining sludges. Use for sludges with feed solids concentrations of 1.5% to 2.5% or other sludges that drain slowly and will benefit from extra dewatering time.

3-Belt System with Independent Gravity Zone (G-GRSL) - The 3-belt gravity dewatering system with independent gravity zone provides increased hydraulic capacity from the same gravity filtration area as the 2-belt GRSL. Use for dilute sludges having feed solids concentrations of less than 1.5% or to operate as a gravity belt thickener.

Kompress: Belt Filter Press

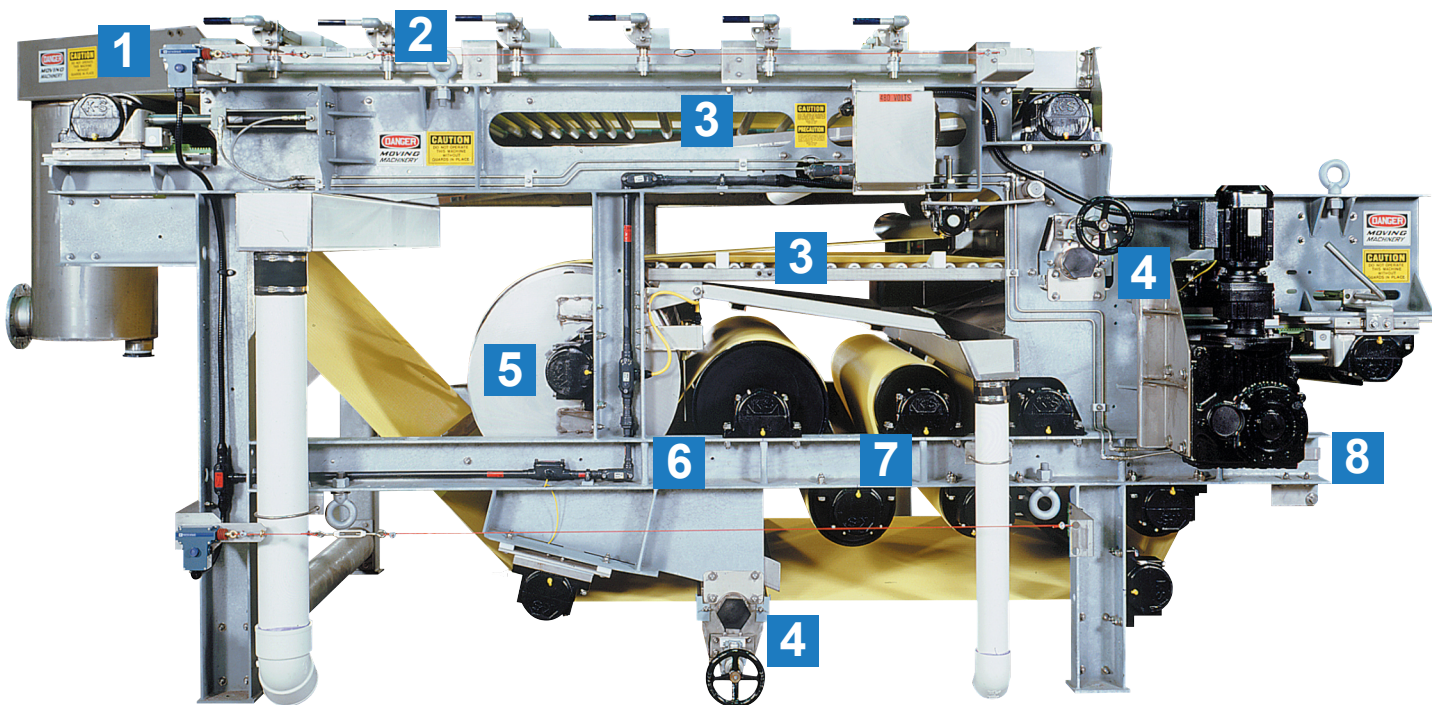


1 Feed Section - Polymer is injected through a multiport ring and mixed with the sludge via a non-clog variable orifice mixer in the feed line prior to entering the flocculation tank. Coagulated solids form in the flocculation tank and overflow onto the dewatering belt in a smooth, gentle stream, minimizing floc shear.

2 Roto-Kone® Elements - Roto-Kone elements lift and decelerate incoming sludge creating a head which turns the sludge to enhance separation. Roto-Kone stations are placed in several locations along the entire length of the belt. The elements rotate, reducing rag hang-up, and self adjust to maintain contact with the belt. They can be lifted to precisely control final cake solids.

3 Belt Support/Wiper Bars - The dewatering belt is supported on abrasion-resistant, replaceable polyethylene wipers to enhance dewatering by constantly breaking the liquid surface tension. Wipers can be rotated providing multiple wear surfaces.

4 Continuous Belt Washing - Each belt is equipped with a fully enclosed wash station with high pressure SS spray nozzles with internal cleaning brushes.



5 Self-Bailing Perforated First Dewatering Drum - By perforating and adding an internal self bailer, rewetting of the cake is eliminated.

6 Frame Construction and Corrosion-Resistant Features - The frame is heavy duty hot dip galvanized carbon steel channel welded and/or bolted. Stainless steel is also available. All fasteners are stainless steel and the conduit is PVC coated. Cylinders are constructed of composite materials to eliminate rust.

7 Bearings - All bearings are a split pillow block, double-row spherical roller design. They lie outboard of the process stream, are regreasable, and are nylon coated. For our standard two meter machine the minimum L-10 life is equivalent to over 135 years of continuous service.

8 Replaceable Polypropylene Discharge Blades - Full width counterweighted blades have a belt seam protector and two beveled edges to double the life of the blade.

Pump. Thicken. Dewater. Dry.



Komline-Sanderson

12 Holland Ave.
Peapack, NJ 07977-0257

www.komline.com
(908) 234-1000