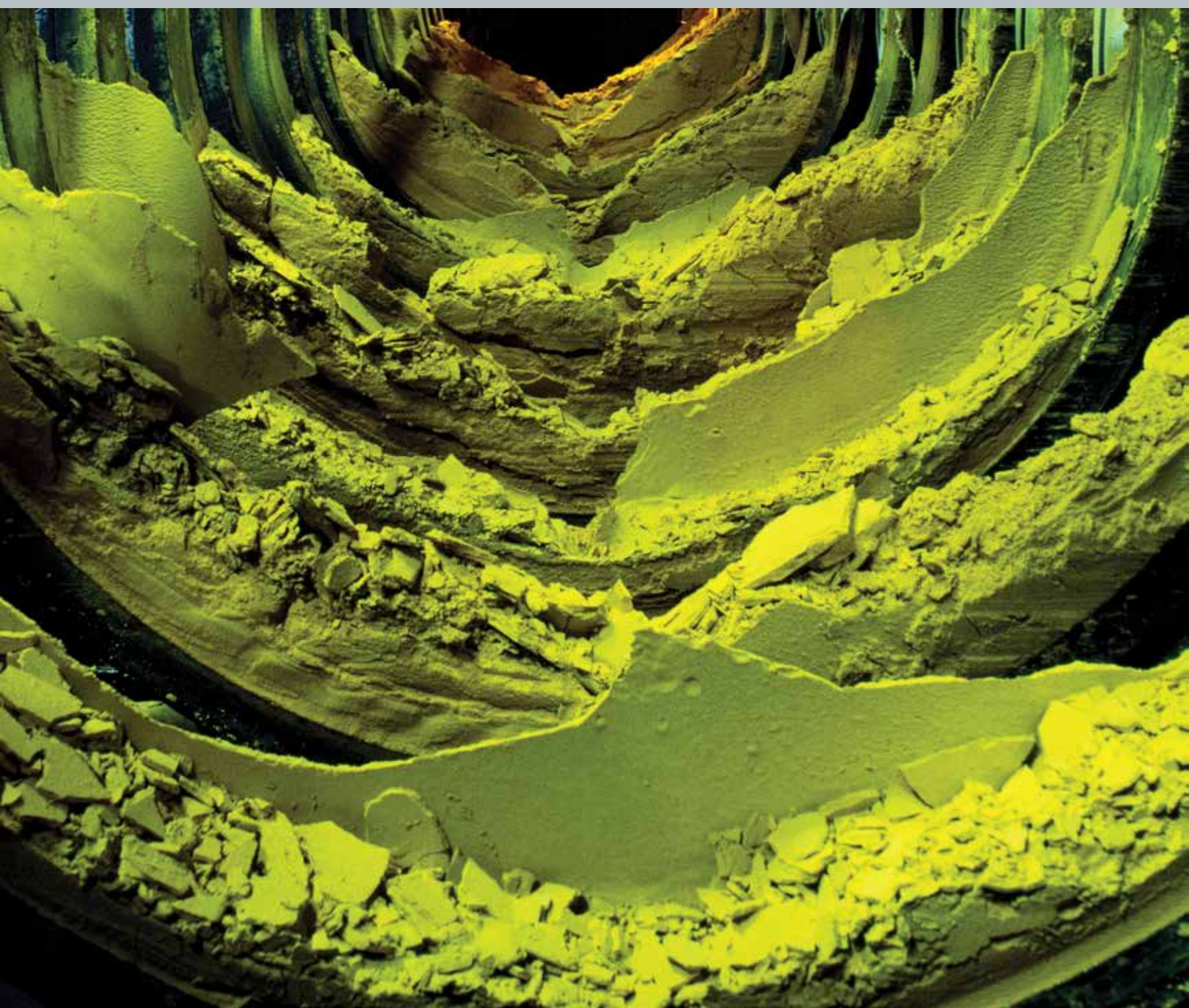
Canamidex
International Corp.

Seeking A Sustainable Future

Sludge Dewatering and Polymer Station Catalogue



CANAMIDEX

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INTRODUCTION

Canamidex in cooperation with its partners are the provider of world-class quality, latest technology sludge dewatering equipment which are used for water and wastewater treatment, refinery, paper, mine and food industries.

These systems are manufactured based on customer specifications and sludge/ water analysis. All the systems are specified and technically designed at our location in Toronto/ Canada and Ravenna/ Italy. The base components are supplied by us from a variety of known manufactures with the highest quality; the finished products are manufactured and tested at our factory in Ravenna/ Italy.

Sludge Thickening

Our sludge thickening system designed to reduce your sludge volume by up to 90 %. It is ideal for thickening prior to processes such as digestion or dewatering, and for reducing sludge volume prior to storage or transportation. Gravity belt thickeners are primarily used for sludge volume reduction prior to digestion, dewatering or disposal. They are a continuously operating machine which thicken sludge by gravity on a revolving porous filter belt. They generally produce a pump able thickened sludge.
They are commonly installed in waste water treatment plants, water treatment plants, food and dairy industries, abattoirs, pulp and paper industries.

Technical Specifications

• PS Line

Model		P8-S2	P10-3S	P12-3S	P15-3S	P17-3S	P20-4S	P22-4S	P25-4S	P27-4S	P32-4S
Sludge capacity (0.5÷1 %DS)	m^3/h	10÷20	14÷24	18÷30	21÷36	27÷45	30÷51	36÷60	39÷66	45÷75	54÷90
Belt width	mm	800	1000	1200	1500	1700	2000	2200	2500	2700	3200
Belt washwater	m^3/h	2.5	3.6	4.6	5.9	6.4	7.8	5.6	9.9	10.4	12.3
Belt thickener power	kw	0.55	0.75	0.75	0.75	1.1	1.1	1.5	1.5	1.8	2.2
Washpump power	kw	4	4	4	4	4	5.5	5.5	5.5	5.5	7.5
Empty weight	kg	500	800	1000	1200	1600	1800	2000	2100	2200	2400

• P Line

Model		P9 - 2	P11 - 3	P13 - 3	P16 - 3	P18 - 3	P21 - 4	P23 - 4	P26 - 4	P28 - 4	P31 - 4
Sludge capacity (0.5÷ 1 %DS)	m^3/h	14 ÷24	18 ÷30	21÷36	27÷45	30 ÷51	36 ÷60	39 ÷66	45 ÷75	48 ÷81	54 ÷90
Belt width	mm	1000	1200	1400	1700	1900	2200	2400	2700	2900	3200
Belt washwater	m^3/h	3.6	4.4	5.3	6.3	7.0	8.6	9.6	10.3	11.2	12.5
Belt thickener power	kw	0.75	0.75	0.75	1.1	1.1	1.5	1.5	1.8	2.2	2.2
Washpump power	kw	4	4	4	4	5.5	5.5	5.5	5.5	7.5	7.5
Empty weight	kg	1000	1200	1400	1900	2000	2300	2400	2500	2600	2700

Features

- Organic and inorganic sludge
- Both P-S and P line range of gravity belt thickeners will provide the lowest whole life cost
- For most thickening applications.
- Highest Thickening Capacity
- Maximum retention in thickening zone with sludge deflection unit and sludge plough design
- High belt speed for maximum provision of filter media
- Lowest Energy Consumption
- Possibility of single belt drive motor to drive filter belt between rollers cause lower power consumption
- Belt tracking and flocculation tank motors eliminated through machine design
- Lowest Flocculent Consumption
- No shear stresses applied to the sludge in the thickening process
- Highest Filtrate Quality
- Filtrate water and wash water can be returned separately
- Filtrate water can be used for belt washing
- Duplex stainless steel construction for maximum strength and corrosion resistance
- Minimum moving parts resulting in minimum maintenance requirements
- Unique enclosure design ensuring all mechanical and electrical components remain outside the harsh, wet and gaseous environment with the thickener
- Possibility of fully automatic operation and suitable for outdoor installation.

Belt Filter Press

Belt filter presses are primarily used for sludge dewatering prior to drying or disposal. They are a continuously operating machine which dewater sludge by pressing it between two Porous filter belts.
Typically, a belt filter press receives a slurry ranging from 1- 5 % feed solids and produces a final product of 12-35% cake solids. Performance depends on the nature of the solids being processed and design.

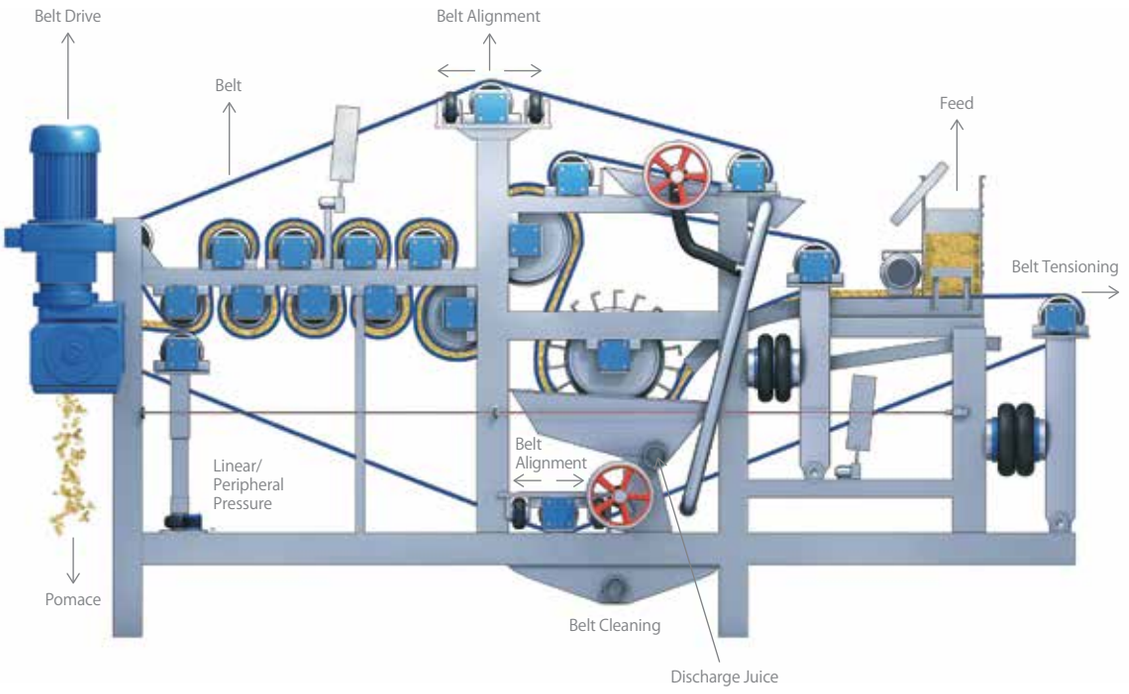
Application

- Municipal water and wastewater treatment
- Food Processing Wastes
- Pulp & Paper Wastes
- Chemical Sludge
- Pharmaceutical Wastes
- Industrial Wastes Processing Sludge
- Petrochemical Wastes.

Product Series and Technical Data

• "PN" Line

Model		PN 50	PN 80	PN 100	PN 120	PN 150	PN 170	PN 200	PN 220	PN 250	PN 270	PN 300
Municipal sludge capacity (%3 DS)	m^3/h	3 ÷ 5	5 ÷ 8	6 ÷10	8 ÷12	10 ÷15	11 ÷17	14 ÷20	15 ÷22	16 ÷25	18 ÷27	20 ÷30
Belt width	mm	600	900	1100	1300	1600	1800	2100	2300	2600	2800	3100
Belt washwater	m^3/h	4.6	6.2	8.2	9.8	11.9	13.5	16.4	18.3	20.0	21.9	24.6
Belt thickener power	kw	2.6	2.6	3.3	3.3	4.1	4.1	5.7	5.7	5.7	7.3	7.3
Washpump power	kw	4	4	5.5	5.5	7.5	7.5	11	11	11	13.5	13.5
Empty weight (9R)	kg	3000	3400	4000	4500	5000	5400	8000	9000	10000	11500	13000



•"PN-S" Line (Belt width 0.5 - 1.7m)

Model		PN 50/S	PN 80/S	PN 100/S	PN 120/S	PN 150/S	PN 170/S
Capacity (Municipal sludge)	m^3/h	2÷3	4÷6	5÷8	6÷10	8÷13	9÷15
Belt width	mm	500	800	1000	1200	1500	1700
Belt washwater	m^3/h	2.9	5.0	5.8	7.2	9.4	10.1
Belt thickener power	kw	1.3	1.3	1.65	2.05	2.05	2.35
Washpump power	kw	4.0	4.0	4.0	5.5	5.5	5.5
Empty weight	kg	1400	1700	2000	2200	4000	4300

•"PN-S" Line (Belt width 2-3 m)

Model		PN 200/S	PN 220/S	PN 250/S	PN 270/S	PN 300/S
Capacity (Municipal sludge)	m^3/h	12÷20	14÷22	16÷26	18÷28	20÷30
Belt width	mm	2000	2200	2500	2700	3000
Belt washwater	m^3/h	15.5	17.3	19.2	21.1	23.8
Belt thickener power	kw	3.55	3.55	4.95	4.95	4.95
Reactor cylinder power	kw	0.55	0.55	0.75	0.75	0.75
Washpump power	kw	11	11	11	13.5	13.5
Empty weight	kg	4800	5200	5900	6400	7000

• "PN-SL" Line (Spray Nozzle 330 l/h)

Model		PN 50/SL	PN 80/SL	PN 100/SL	PN 120/SL	PN 150/SL	PN 170/SL	PN 200/SL	PN 220/SL	PN 250/SL
Municipal sludge Capacity (%2 DS)	m^3/h	3 ÷ 5	6 ÷ 8	7 ÷ 10	9 ÷12	12 ÷15	13 ÷17	16 ÷20	18 ÷22	21 ÷25
Belt width	mm	500	800	1000	1200	1500	1700	2000	2200	2500
Belt washwater	m^3/h	2.9	5.0	5.8	7.2	9.4	10.1	12.3	13.7	15.9
Belt thickener power	kw	1.3	1.3	1.65	2.05	2.05	2.35	4.1	4.1	4.1
Washpump power	kw	4.0	4.0	4.0	5.5	5.5	5.5	11	11	11
Empty weight	kg	1900	2100	2400	2600	4200	4500	5000	5400	6100

• "PN-SL" Line (Spray Nozzle 390 l/h)

Model		PN 50/SL	PN 80/SL	PN 100/SL	PN 120/SL	PN 150/SL	PN 170/SL	PN 200/SL	PN 220/SL	PN 250/SL
Municipal sludge Capacity (%2 DS)	m^3/h	3 ÷ 5	6 ÷ 8	7 ÷ 10	9 ÷12	12 ÷15	13 ÷17	16 ÷20	18 ÷22	21 ÷25
Belt width	mm	500	800	1000	1200	1500	1700	2000	2200	2500
Belt washwater (Nozzle type 10)	m^3/h	3.7	6.2	7.3	9.2	11.9	12.8	15.5	17.3	20.0
Belt thickener power	kw	1.3	1.3	1.65	2.05	2.05	2.35	4.1	4.1	4.1
Washpump power	kw	4.0	4.0	4.0	5.5	5.5	5.5	11	11	11
Empty weight	kg	1900	2100	2400	2600	4200	4500	5000	5400	6100

Application

Our belt filter press can automate the operation by supplying the following options:

- Start up and Shutdown
- Level Control
- Flow Control
- Polymer Feed Rate
- DCS interfacing
- Alarms
- Diagnostics and Trouble Shooting
- PLC.

Worldwide References

Canamidex contracted and delivered, in turnkey projects, a large quantity of belt presses to municipalities, paper mills and other industries in many countries and developed a wide expertise working with various sludge in combination with various polymers, belt types and press adjustments.

Features

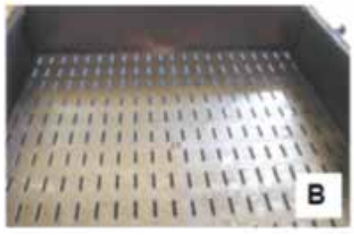
- Galvanized, AISI 304 or 316 stainless steel construction
- Very low electrical cost compared to centrifuges
- Relatively low equipment and installation costs
- Produces dehydrated sludge ready for further processing or for land spreading
- Operates with minimal supervision due to its high level of automation
- Provides stable and reliable operation adaptable to frequent product variations
- Requires minimal space
- A wedge section with an adjustable angle of conversion of the belts
- A choice of 2 belt or 3 belt dewatering systems
- A variable orifice polymer/sludge mixing valve to optimize polymer conditioning
- Larger standard filtration areas for greater process throughput and higher cake consistency.

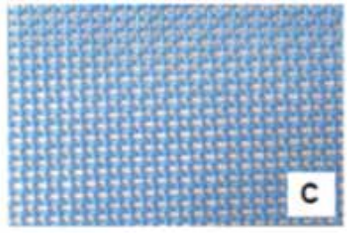
Belt screens

Belt screens "HBS" use in mines industries especially for gold. Belt screens "HBS" are solidly built, are reliable, and adaptable to different working conditions. They are able to assure high performances. From the big rectangular flange "A", the product that has to be filtrated, goes into the tray for a first rough separation "B". Under the tray, the belt "C" holds back the particles with bigger diameter than holes. These particles are washed again before to be drained "E". Fine particles and water come out from the flange "D".

Technical Specifications

Model		HBS 100	HBS 200	HBS 300	HBS 400	HBS 500	HBS 600
Max capacity	m^3/h	100	200	300	400	500	600
Belt width	mm	1500	1500	2500	2500	2500	2500
Belt power	m^3/h	1.5	1.5	2.2	2.2	2.2	2.2
Washwater	kw	10.1	10.1	16.8	16.8	16.8	16.8
Washpump power	kw	5.5	5.5	11	11	11	11
Empty weight	kg	4300	4300	6500	6500	6500	6500





Features

- Excellent separation efficiency due to its perforations
- Very compact system with minimum space requirements
- AISI 304 or 316 stainless steel construction.

Drum Filter

Water and wastewater treatment plant produce sludge as a by-product of the water and wastewater treatment. Sludge consists of suspended organic and inorganic solids as well as dissolved solids in a large amount of water. Sludge is from primary or secondary clarification or both. Whether the sludge is to be dewatered, digested or simply transported away for further treatment, it is far more economical to concentrate the suspended solids in the least possible amount of water.

Our Drum Thickeners are optimal for basic, cost-effective mechanical sludge thickening through a slowly rotating drum filter. Sludge with as low as 0.4 percent dry solids content can be easily and economically thickened from 3.0 to 12.0 percent with the aid of a modest amount of polyelectrolyte. This enormous volume reduction will help plants keep costs down as less volume has to be handled, increasing the efficiency of the digesters or reducing tanker loads per day.

The sludge to be thickened–mainly water–is mixed with the necessary amount of polymer. Mixing turbulence and contact time is allowed in order to create large, stable flocs and clear water. This is then gently fed to one side of the drum over and through a polyethylene filter cloth. The solids travel axially to the exit at the opposite end of the drum while the drum turns at a very low speed. Excess free water is drained along a filter cloth and collected at the bottom of the casing to exit via gravity. The sludge concentration can be regulated by adjusting the feed rate, angle and speed of the drum.

Our drum thickeners are designed for relatively low-throughput thickening requirements in waste water treatment plants (WWTP). Made entirely of stainless steel, they complete our thickening portfolio to provide the most economical solution for most thickening problems. Drum thickeners are well known in small waste water treatment plants (WWTP). Economic design is combined with high efficiency. The small footprint of this machine type and its enclosed design not only provide an efficient thickening process, but also minimize emissions to the environment.

Technical Data

Model		BR 10	BR 20	BR 30	BR 50	BR 70	BR 100
Sludge capacity (0.5 ÷ 1 % DS)	m^3/h	3 ÷14	5 ÷24	10 ÷36	20 ÷56	30 ÷80	40 ÷110
Drum diameter Drum length	mm	700 800	700 1500	900 2500	900 3500	1400 3500	1400 4500
Belt washwater	m^3/h	0.6	1.0	1.5	2.2	2.2	2.8
Belt thickener power	kw	0.55	0.55	1.5	1.5	2.2	2.2
Washpump power	kw	3.0	4.0	4.0	5.5	5.5	7.5
Empty weight	kg	400	600	1300	1600	2200	2200

Features

- Drum thickener BR line are enable to thickening both organic and inorganic sludge.
- AISI 304 or 316 stainless steel construction.
- Lower power consumption.
- Easy maintenance.
- Greater sludge recovery, while also reducing transportation costs.

Cascades

Canamidex Cascades can be used to dehydrate sludge that have not been thickened previously (dry solid concentration between 0.5 - 1,5 %), with consequent advantages in costs and space and also to assure high performance of separation (%96) and easy maintenances

Series and Technical Data

• "PNPS" Line

Model		PNPS 80	PNPS 100	PNPS 120	PNPS 150	PNPS 170	PNPS 200	PNPS 220	PNPS 250	PNPS 270	PNPS 300
Sludge capacity (1 % DS)	m^3/h	16 ÷ 18	20 ÷ 22	24 ÷ 26	30 ÷ 32	34 ÷ 36	40 ÷ 43	44 ÷ 47	50 ÷ 53	54 ÷ 58	60 ÷ 64
Belt width	mm	900	1100	1300	1600	1800	2100	2300	2600	2800	3100
Belt washwater	m^3/h	9.8	12.6	15.2	18.2	20.7	25.0	27.8	30.2	33.0	37.1
Belt thickener power	kw	3.55	4.25	4.25	5.05	5.40	6.40	7.20	7.85	9.85	9.85
Washpump power	kw	5.5	7.5	11	11	11	13.5	13.5	15	15	17
Empty weight (11 R)	kg	4400	5200	5900	6700	7100	10000	11100	12200	14000	16100

• "PNSPS" Line

Model		PNSPS 80	PNSPS 100	PNSPS 120	PNSPS 150	PNSPS 170	PNSPS 200	PNSPS 220	PNSPS 250	PNSPS 270	PNSPS 300
Sludge capacity (1 % DS)	m^3/h	12 ÷ 16	16 ÷ 20	20 ÷ 24	24 ÷ 30	30 ÷ 34	34 ÷ 40	40 ÷ 44	44 ÷ 50	50 ÷ 56	56 ÷ 62
Belt width	mm	800	1000	1200	1500	1800	2000	2200	2500	2700	3000
Belt washwater	m^3/h	7.5	8.7	10.8	14.1	15.2	23.3	25.6	29.1	31.5	35.1
Belt thickener power	kw	1.5	1.85	2.25	2.6	2.6	4.5	4.5	5.9	6.2	6.6
Washpump power	kw	5.5	5.5	7.5	7.5	11	13.5	13.5	15	15	17
Empty weight (7 R)	kg	2200	2800	3200	5200	5900	6600	7200	8000	8600	9300

• "PNP" Line

Model		PNSPS 80	PNSPS 100	PNSPS 120	PNSPS 150	PNSPS 170	PNSPS 200	PNSPS 220	PNSPS 250	PNSPS 270	PNSPS 300
Sludge capacity (1 % DS)	m^3/h	16 ÷ 18	20 ÷ 22	24 ÷ 26	30 ÷ 32	34 ÷ 36	40 ÷ 43	44 ÷ 47	50 ÷ 53	54 ÷ 58	60 ÷ 64
Belt width	mm	900	1100	1300	1600	1800	2100	2300	2600	2800	3100
Belt washwater	m^3/h	9.8	12.6	15.2	18.2	20.7	25.0	27.8	30.2	33.0	37.1
Cascade power	kw	3.55	4.25	4.25	5.05	5.40	6.40	7.20	7.85	9.85	9.85
Washpump power	kw	5.5	7.5	11	11	11	13.5	13.5	15	15	17
Empty weight (11 R)	kg	4500	5400	6100	7000	7400	10300	11400	12600	14400	16500

• "PNS-BR" Line

Model		PN50S-BR10	PN80S-BR10	PN100S-BR10	PN120S-BR10	PN120S-BR20	PN150S-BR20	PN170S-BR20	PN200S-2 BR20	PN220S-2 BR20	PN250S-2 BR20
Capacity (municipal sludge1 % DS)	m^3/h	5 ÷ 7	8 ÷ 12	13 ÷ 15	15 ÷ 18	18 ÷ 22	22 ÷ 25	25 ÷ 28	28 ÷ 34	34 ÷ 38	38 ÷ 42
Belt width	mm	500	800	1000	1200	1200	1500	1700	2000	2200	2500
Belt washwater	m^3/h	3.5	5.6	6.4	7.8	8.2	10.4	11.1	14.3	15.9	22
Cascade power (Nozzle type 9)	kw	1.85	1.82	2.2	2.6	2.6	3.05	3.15	5.2	5.2	5.2
Washpump power	kw	4	4	4	5.5	5.5	7.5	7.5	11	11	13.5
Empty weight (7 rolleres version)	kg	1550	1850	2150	2300	2350	4200	4600	5200	5600	6300

Features

- Galvanized, AISI 304 or 316 stainless steel construction
- Very low electrical cost
- Relatively low equipment and installation costs
- Produces dehydrated sludge ready for further processing
- Requires minimal space
- lower polyelectrolyte powder consumption
- Easy maintenance

Filter Press

A filter comprises a set of vertical recessed plates, presses against each other by hydraulic jacks at one end of the set. The pressure applied to the joint face of each filtering plate must withstand the chamber internal pressure developed by the sludge pumping system.
This vertical plate layout forms watertight filtration chambers allowing easy mechanisation for the discharge of cakes. Filter clothes finely or tightly meshed are applied to the two groowed surfaces in these plates. Orifices feed the sludge to be filtered under pressure in the filtration chamber. They are usually placed in the center of the plates allowing a proper distribution of flow, right pressure and better drainage of sludge within the chamber. Solids sludge gradually accumulates in the filtration chamber until the final compacted cake is formed. The filtrate is collected at the back of the filtration support and carried away by internal ducts. This includes 5 cycle which are Closing of the press, Filling, Filtration, Filter opening and Washing The production capacity of a filter press is somewhere between 1.5 and 10 kg of solid per m2 of filtering surface. For every filter press model the chamber volume and the filtering surface depend on the number of plates in the filer with pressing times are less than four hours. Filtration time depends on cake thickness, sludge concentration, specific resistance and compressibility coefficient. Our filter press frame consists mainly in two horizontal side beams, support legs, fixed header, cylinder header and sliding header. The closing-opening system of the filter consists in a double-acting hydraulic cylinder, manually controlled by hydraulic unit with hand lever. The filtering plates are made of high density polypropylene, and their handles are supported on sliding guides, every plate is covered with polypropylene filtering cloths and is equipped to discharge the filtrate into the gutter or into the closed manifold.

Technical Data and Series

• AAAM Series

Model		AA - AM - MM 500	AA - AM - MM 630	AA - AM - MM 800	AA - AM - MM 1000	AA - AM - MM 1200
Plate size	mm	500 x 500	630 x 630	800 x 800	1000 x 1000	1200 x 1200
Cake thickness	mm	25 + 32	25 + 35	25 + 35	25 + 35	25 + 35
Polypoplene plates	n	5 + 50	10 + 50	20 + 80	20 + 100	20 + 100
Filter volume	dm^3	16 + 273	64 + 497	225 + 1332	356 + 2625	501 + 3722
Filteration pressure	bar	15	15	15	15	15

• MM Series

Model		MM 500	MM 630	MM 800	MM 1000
Plate size	mm	500 x 500	630 x 630	800 x 800	1000 x 1000
Cake thickness	mm	25 + 32	25 + 35	25 + 35	25 + 35
Polypoplene plates	n	5 + 50	10 + 50	20 + 80	20 + 100
Filter volume	dm^3	16 + 273	64 + 497	225 + 1332	356 + 2625
Max Filteration pressure	bar	15	15	15	15
Hydfaulic unit power	kw	1.1	1.1	2.2	3.0

Features

- Filter press is suitable for almost all types of sludge
- Hydrophilic organic sludge: inorganic conditioning is often recommended to enable satisfactory cake release due to minimal adherence to filter cloth.
- Hydrophilic inorganic sludge: the filer press generally requires the addition of lime only.
- Hydrophobic inorganic sludge: it is very dense and ideal for the filter press. It is dewatered without any preliminary conditioning.
- Oily sludge: the filter press can be used to treat sludge containing light oils.

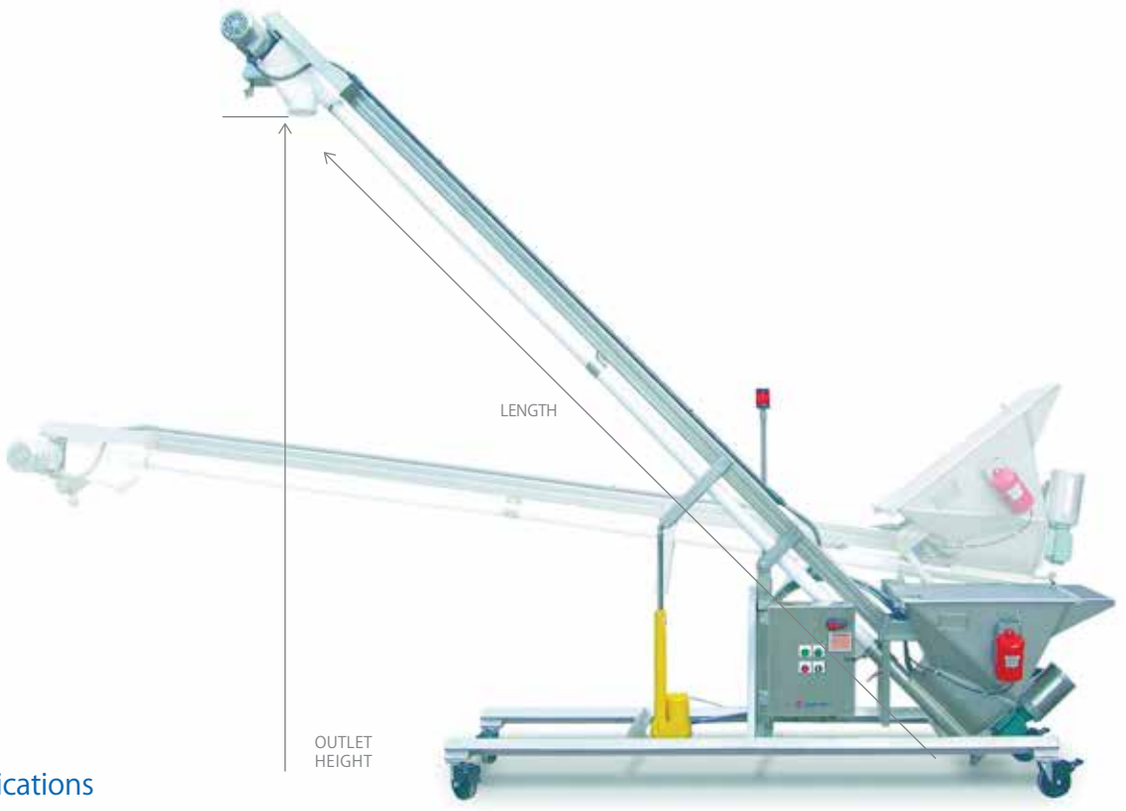
Screw Conveyors

Canamidex Screw conveyors are easily adapted to congested locations, due to their compact and flexible design; enabling horizontal, inclined and vertical installations. Screw conveyors are used for dust and odor free transport of numerous materials such as dewatered sludge, pulp, wood chips, sawdust, chemicals, slaughter-house refuse, garbage, scrap metal, pellet fuel etc. The conveyors are particularly suited for transporting materials which tend to jam, material containing particles of varied sizes which often tend to form "bridges", hygienic material, and material of a sticky nature. Since it is possible to feed directly into the side of a second conveyor and even transport vertically, compact, space-saving installations are possible.

Working Principles

The material has to be transported enters the conveyor through the inlet into the Utrough. The drive unit rotates the spiral, usually at a relatively slow speed, transporting the material to the outlet. The replaceable wear liner protects the trough and assures smooth, quiet operation.
The motor mounting flange allows for safe and easy service. The cover is bolted to the trough for easy removal and can be fitted with inspection lids.

Diameter Length	mm mm	200 2000	200 4000	200 6000	200 8000	250 4000	250 6000	250 8000	300 4000	300 6000	300 8000
Length	m^3/h	2.6	2.6	2.6	2.6	6.5	6.5	6.5	10.4	10.4	10.4
Type	m^3/h	2.0	2.0	2.0	2.0	4.9	4.9	4.9	7.8	7.8	7.8
Inclination	m^3/h	1.7	1.7	1.7	1.7	3.7	3.7	3.7	6.8	6.8	6.8
Speed	rpm	36	36	36	36	36	36	36	36	36	36
Instalied power	kw	1.5	1.5	1.5	2.2	1.5	2.2	3.0	2.2	3.0	4.0



Applications

- Fast Food Processing
- Sludge dewatering
- Municipal water and wastewater treatment plant
- Building industry
- Winery
- Sea Food and Fish processing
- Meat Processing/Abattoirs
- Sugar / Mill Refining
- Glass/Ceramics
- Machining
- Composting / Incineration
- Brewery
- Petrochemical
- Rendering
- Textile

Features

- Carton steel, stainless steel or abrasion resistant steel are available.
- "U" shaped or to provide a wider opening "V" shaped trough can be manufactured.
- Engineered to handle fine or coarse, granular or flaky, wet or dry, pellet or slurry materials.
- Fully enclosed trough ensures dust-free environmentally friend operation.
- Low maintenance costs
- Construction using high quality and wear resistant materials
- Continuous transportation
- Ability to transport larger sized materials

Filter Bag

The filter bags SM line are enable to dehydrate organic and inorganic sludge.

• Technical Data

Model		SM 2	SM 3	SM 4	SM 6	SM 8	SM 12
Number of bags Dimensions A	mm	2 1100	3 1500	4 1900	6 1500	8 1900	12 2700
Dimensions B	mm	1700	1700	1700	1700	1700	1700
Dimensions C	mm	550	550	550	1000	1000	1000
Bag Dimensions A	mm	300 x 1000	300 x 1000	300 x 1000	300 x 1000	300 x 1000	300 x 1000
Empty weight	kg	160	180	200	240	340	440

Static Mixer

Canamidex static mixer equipped with clapet valve designed for self-adjusting according to delivery requirement, this product provide a better condition to mix a media with injected chemical or added material in process.

• Static Mixer Designed for Sludge Dewatering Process

Model		MAE 65	MAE 80	MAE 100	MAE 120	MAE 150
Delivery	m^3/h	3 ÷ 20	5 ÷ 40	10 ÷ 80	20 ÷130	30 ÷160
Inlet - outie sludge connection		DN 65	DN 80	DN 100	DN 125	DN 150
Inlet poly Valve	inch	1°	1°	1°	1° ½	1° ½
Sample Valve	inch	1°	1°	1°	1° ½	1° ½
Empty weight	kg	22	26	30	40	50

Features

- Low maintenance costs
- Available in stainless steel, carbon steel and hot galvanized material

Belt Conveyor

Our belt conveyors designed for transport of dewatered sludge, racking or sludge cakes, also they manufactured according to the requirements of the process can be either in stainless steel or carbon steel with coating. Different sizes and inclinations are applicable. Flat conveyor is one of the simplest and oldest handling equipment for bulk materials. It can be also used to control the flow of bulk materials in many chemical processing and storage operations.

Belt Width	mm	400	400	500	500	600	600	800	800
Length	m	2 ÷ 10	2 ÷ 8	2 ÷ 10	2 ÷ 8	2 ÷ 12	2 ÷ 8	2 ÷ 15	2 ÷ 8
Type		Horizontal	Inclined	Horizontal	Inclined	Horizontal	Inclined	Horizontal	Inclined
Inclination	.	0°÷ 5°	5°÷ 25°	0°÷ 5°	5°÷ 25°	0°÷ 5°	5°÷ 25°	0°÷ 5°	5°÷ 25°
Speed	m/min	15 ÷ 20	15 ÷ 20	15 ÷ 20	15 ÷ 20	15 ÷ 20	15 ÷ 20	15 ÷ 20	15 ÷ 20
Instalied power	kw	0.55 ÷ 1.1	0.75 ÷ 1.5	0.75 ÷ 1.5	0.75 ÷ 2.2	0.75 ÷ 2.2	1.1 ÷ 3	1.1 ÷ 4	1.1 ÷ 5.5

Features

- Very low electrical cost
- Requires minimal space
- Conveying and elevating equipment for bulk materials
- Suitable for handling a wide variety of materials from fine chemicals to screenings and sludge cakes, from wet to dry.
- Completely stainless steel frame and supports can be supplied.
- Shuttle type conveyors and belt hipper are available

Polymer Station/ Feeder/ Preparation

Canamidex polymer systems are made completely from high quality stainless steel. They are available in a batch system, automatic and semi automatic systems to suit the needs of every customer. Batch systems comprise a single tank and are most suitable for small plants. Semi automatic systems comprise a single tank with a 30 - 40 minute make up time for each cycle and are best suited for small to medium plants.
Fully automatic systems comprise a mix tank, storage tank and are capable of continuous 24 hour production. The units are suitable for easy change over from one polymer to another. Each unit equipped with feeding hopper with bridge breaker, mixer venture device for dispersion of powder and three communicating tanks: dilution, maturing, storage.

- **"SP" Line**

Model		SP600	SP1000	SP1500	SP2000	SP2500	SP3000	SP4000	SP6000	SP6000	SP8000
Solution delivery	lt /h	500	1000	1500	2000	2500	3000	4000	5000	6000	8000
Solution Concentration	%	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.3	0.1 ÷ 0.3	0.1 ÷ 0.3	0.1 ÷ 0.3	0.1 ÷ 0.3
Hopper Capacity (power poly)	dm^3	80	80	80	80	80	80	100	100	100	100
Tank divided into 3 parts, total capacity	dm^3	500	1000	1500	2000	2500	3000	4000	5000	6000	8000
Installed power (with 3 stirrers)	kw	1.35	1.35	1.35	1.35	1.35	1.35	1.9	2.02	2.02	2.62
Empty weight	kg	240	300	350	400	500	700	800	900	1000	1200

• "SL" Line

Model		SL500	SL1000	SL1500	SL2000	SL2500	SL3000	SL4000	SL6000	SL6000	SL8000
Solution delivery	lt /h	500	1000	1500	2000	2500	3000	4000	5000	6000	8000
Solution Concentration	%	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.3	0.1 ÷ 0.3	0.1 ÷ 0.3	0.1 ÷ 0.3	0.1 ÷ 0.3
Piston pump for emulsion polyelectrolyte dosage	lt /h	1 ÷ 5	2 ÷ 10	3 ÷ 15	4 ÷ 20	5 ÷ 25	5 ÷ 25	5 ÷ 30	5 ÷ 38	5 ÷ 45	10 ÷ 60
Tank divided into 3 parts, total capacity	dm^3	500	1000	1500	2000	2500	3000	4000	5000	6000	8000
Installed power (with 3 stirrers)	kw	1.36	1.36	1.36	1.36	1.36	1.36	1.9	1.9	1.9	2.5
Empty weight	kg	200	250	300	350	400	500	600	700	800	1000

Polyelectrolyte Dosing In Emulsion at 40 - 50 % Active

• "SPL" Line

Model		SPL500	SPL1000	SPL1500	SPL2000	SPL2500	SPL3000	SPL4000	SPL5000
Solution delivery	lt /h	500	1000	1500	2000	2500	3000	4000	5000
Solution Concentration	%	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.4	0.1 ÷ 0.3	0.1 ÷ 0.3	0.1 ÷ 0.3
Hopper Capacity (power poly)	dm^3	80	80	80	80	80	80	100	100
Piston pump for emulsion polyelectrolyte dosage	lt /h	1 ÷ 5	2 ÷ 10	3 ÷ 15	4 ÷ 20	5÷ 25	5÷ 25	5÷ 30	5÷ 38
Piston pump for emulsion polyelectrolyte dosage	dm^3	500	1000	1500	2000	2500	3000	4000	5000
Installed power (with 3 stirrers)	kw	1.58	1.58	1.58	1.58	1.58	1.58	2.27	2.27
Empty weight	kg	260	310	360	410	480	560	670	770

Polyelectrolyte Dosing In Emulsion at 40 - 50 % Active

"SP - PD" Line

Model		SP - PD 500	SP - PD 1000	SP - PD 1500	SP - PD 2000	SP - PD 2500	SP - PD 3000	SP - PD 4000	SP - PD 5000	SP - PD 6000
Concentration Solution delivery at 0.4 %	lt /h	250 500	500 1000	750 1500	1000 2000	1250 2500	1500 3000	2000 4000	2500 5000	3000 6000
Diluted Solution delivery at 0.1 %	lt /h	1000 2000	2000 4000	3000 6000	4000 8000	5000 10000	6000 12000	8000 16000	10000 20000	12000 24000
Hopper Capacity (power poly)	dm^3	80	80	80	80	80	110	110	110	110
Tank divided into 3 parts, total capacity	dm^3	500	1000	1500	2000	2500	3000	4000	5000	6000
Installed power (with 4 stirrers)	kw	2.25	2.25	2.45	2.45	2.80	3.95	3.95	4.65	4.65
Empty weight	kg	300	360	420	470	580	790	890	1000	1100

Features

- Very low electrical cost
- Requires minimal space
- Electric resistance to prevent condensation
- Up to fully automatic package (PLC).

Committed to superior quality
and smart design

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