



Decanter Centrifuges Products Overview

2024 – Revision A

Natural Resource Recycling • Product Classification • Dewatering • Fluid Recovery
Waste Management • Material Handling • Liquid/Solid Separation • Crushers • Feeders

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 **ELGIN**

Full-Service OEM

Engineering, Design, Manufacturing, Commissioning and Servicing.



Elgin Separation Solutions is able to tackle both the small and the big projects, regardless of location or well complexity.

Organizational Footprint

And Key Customers



Centrifuge Portfolio

Fine and Ultra-Fine Solids Removal



	Apex 9FVFD™	Apex 14MVD™	Apex 16FVFD™
Maximum G Force:	2,600	2,100	2,300
Maximum Speed:	4,500 rpm	3,250 rpm	3,400 rpm
Capacity:	75 gpm (4.7 lps)	200 gpm (12 Lps)	265 gpm (17 Lps)
Bowl Diameter:	9" (229 mm)	14" (356 mm)	16" (406 mm)
Bowl Length:	36" (914 mm)	50" (1,270 mm)	55" (1,397 mm)
Gearbox Ratio:	40:1	52:1 or 125:1	56:1

Elgin's decanter centrifuges can be fitted with a host of VFD, FHVD, MVD control options in both explosion proof and non-explosion proof configurations.

Centrifuge Portfolio

Fine and Ultra-Fine Solids Removal

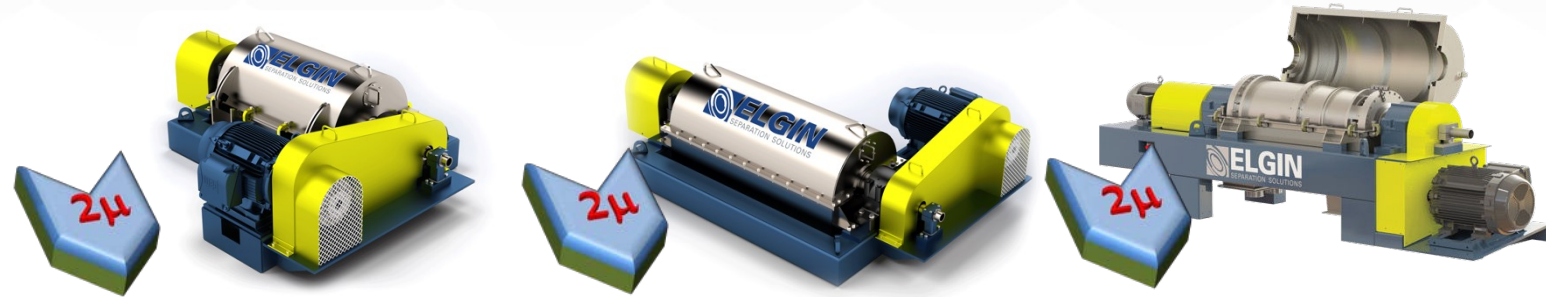


	Apex 1842BD™	Apex 1850BD™	Apex 19FVFD™
Maximum G Force:	1,130	1,130	2,600
Maximum Speed:	2,100 rpm	2,100 rpm	3,100 rpm
Capacity:	40 gpm (2.5 Lps)	265 gpm (17 Lps)	500 gpm (31 Lps)
Bowl Diameter:	18" (475 mm)	18" (475 mm)	19" (470 mm)
Bowl Length:	42" (1,066 mm)	50" (1,270 mm)	67" (1,702 mm)
Gearbox Ratio:	SA-69 80:1 or SA-69 140:1	SA-69 80:1 or SA-69 140:1	80:1

Elgin's decanter centrifuges can be fitted with a host of VFD, FHVD, MVD control options in both explosion proof and non-explosion proof configurations.

Centrifuge Portfolio

Fine and Ultra-Fine Solids Removal



	Apex 2438BD™	Apex 2460BD™	Apex 25FVFD™
Maximum G Force:	1,130	2,350	3,200
Maximum Speed:	2,100 rpm	2,600 rpm	3,100 rpm
Capacity:	100 gpm (6.3 Lps)	100 gpm (6.3 Lps)	650 gpm (41 Lps)
Bowl Diameter:	24" (610 mm)	24" (610 mm)	25" (610 mm)
Bowl Length:	38" (965 mm)	60" (1,524 mm)	60" (1,524 mm)
Gearbox Ratio:	SA-69 80:1 or SA-69 140:1	SA-69 80:1 or SA-69 140:1	76:1

Elgin's decanter centrifuges can be fitted with a host of VFD, FHVD, MVD control options in both explosion proof and non-explosion proof configurations.

Centrifuge Controls Portfolio

Available Options are Dependent on the Centrifuge and Application



NEMA 7X Cast Aluminum Enclosure (MVD)	NEMA 4X SS VFD Cabinet Enclosure with HMI	NEMA 4X SS VFD with HMI Air Conditioning and Purged Air	NEMA 7X Cast VFD Enclosure	NEMA 7X Hydraulically Driven (FHVD)
Class I – Division I Explosion Proof (ATEX Zone I Panel Available)	Class I – Division II Non-Explosion Proof	Class I – Division I Explosion Proof	Class I – Division I Explosion Proof	Class I – Division I Explosion Proof (ATEX Zone I Panel Available)
Manual Stop/Start with Fluid Clutch Soft Start	Fully Variable Frequency Controlled	Fully Variable Frequency Controlled	Main Drive Variable Frequency Controlled	Fully Variable Speed Controlled
Push-Button Controls	HMI Touch-Screen	HMI Touch-Screen	Push-Button Controls	Push-Button Controls
Dual-Sheave Poly-chain	Poly-chain Sheave	Poly-chain Sheave	Standard Sheave	N/A

Centrifuge Safety Interlocks

Premium Industry-Standard Safety Interlocks and Equipment Protection



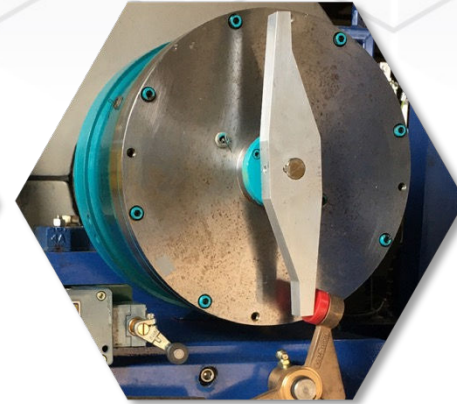
Vibration Switch

Designed to protect the centrifuge, if excessive vibration occurs during operation.



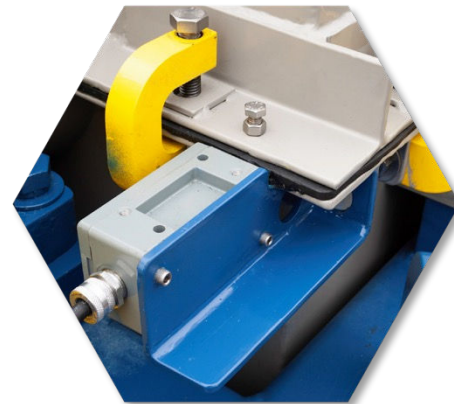
Thermal Sensors

Onboard thermal sensor monitors pillow block and protects from high temperature damage.



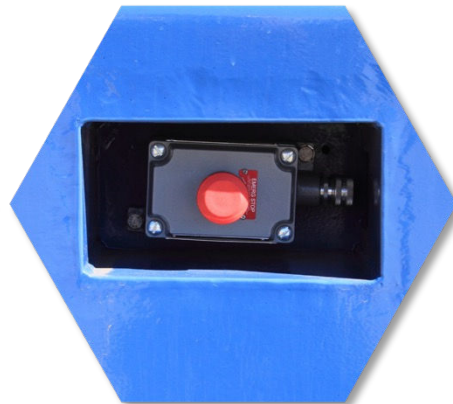
Torque Arm

A trip assembly that prevents over torquing of the gearbox during operation.



Lid Sensor

Safety interlock that shuts down the system in the event the lid is opened during operation.



Emergency Stop

Centrally located E-Stop button to stop operation to prevent system failure.



Active Lubrication System

Onboard active lubrication system provides for continuous lubrication of pillow blocks preventing bearing damage.

Proprietary System Automation

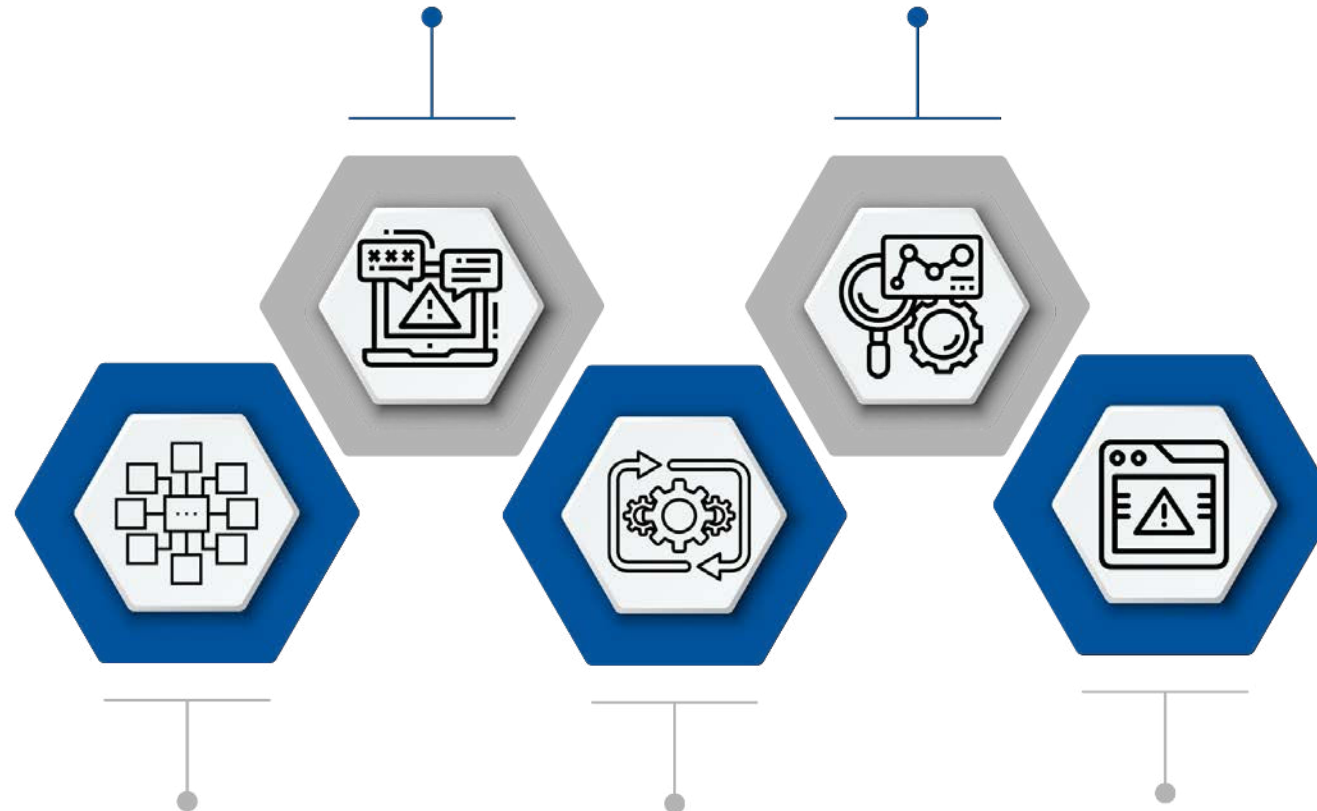
User Interface Provides Complete Control of All Systems

System Alarm Notifications

Safety interlocks built into each system alert the operator when potential system shutdown/damage has or may occur.

Remote Control and Diagnostics

Each user interface comes with the capability of remote control offering the ability to control a centrifuge from great distances.



Data Logging

System performance and operation data tracking storage logs for improving job performance.

'Cruise Control' Automation

Each centrifuge offers automated controls for efficient operation and lower operator oversight.

Maintenance Alerts

Operational alerts notify operator of routine equipment maintenance schedules.

Centrifuge Feed Systems

Having the Right Pump to Feed Material to the Centrifuge is Important



Progressive Cavity Pump

PC pumps improve centrifuge performance, extend the life of a centrifuge, and reduce overall operations and maintenance costs when properly operated.

Self-Priming Pumps

Elgin's line of self-priming solids-handling pumps offer a trouble-free, non-clogging design. The large volute automatically reprimed in a fully open system, without the need for complicated suction or discharge plumbing.



Elgin offers a wide range of pumps perfectly paired with the decanter centrifuge.

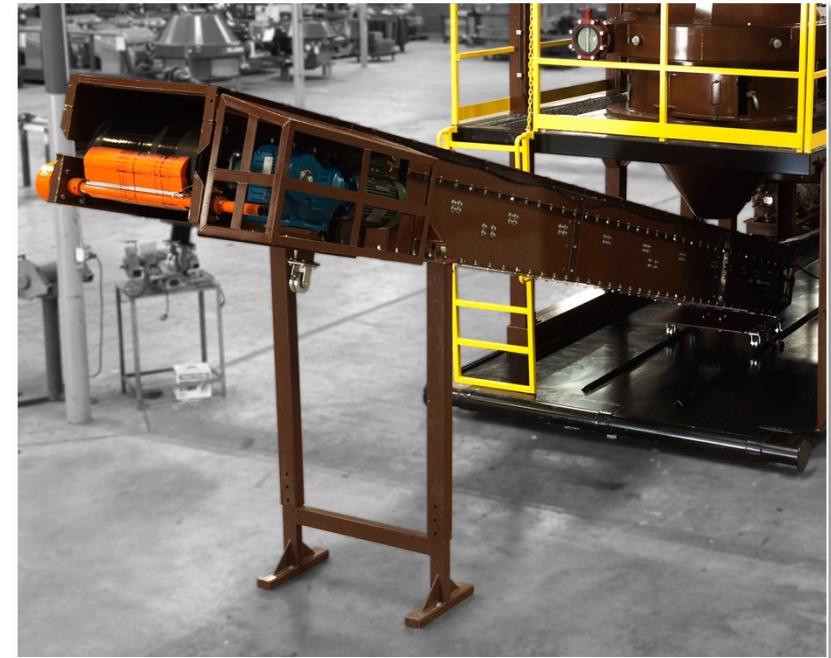
Solids Discharge Systems

Sophisticated Solids Conveyance Systems



Belt Conveyors

Belt conveyors efficiently convey material in large volumes. Mounted with optional swivel base and belt wiper for cleaning material off the conveyor.



Screw Conveyors

Available in various length configurations, screw conveyors offer high-performance in moving discharged solids over great lengths.



Shaftless



Shafted

The right discharge system allows the solids separated to be stack-piled or directly deposited into a roll-off waste containment bin.



Apex 9FVFD™

High Speed Decanter Centrifuge

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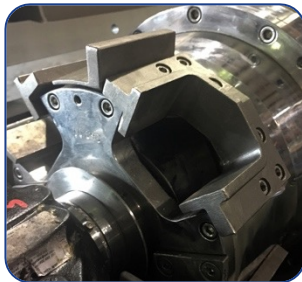
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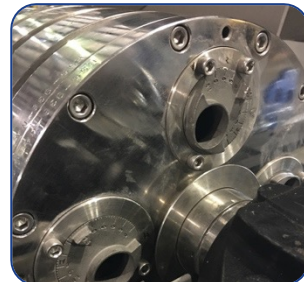
ELGIN

Apex 9FVFD™

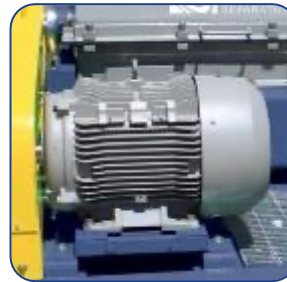
Key Features Overview



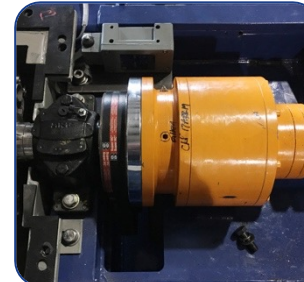
Four replaceable "wide-mouth", Delchome 90™ discharge ports and plows for easy field maintenance.



Pond depth set by four, adjustable 304SS, epicentric liquid-end discharge ports. easy to field manage & durable.



Fitted with a 15HP NEMA Premium continuous duty main drive motor. Ensures "sweet spot" motor demand.



40:1 Gear Box (solids removal) with an industry-leading 3.2 kN torque. Excellent for low volume liquid/solids separation.



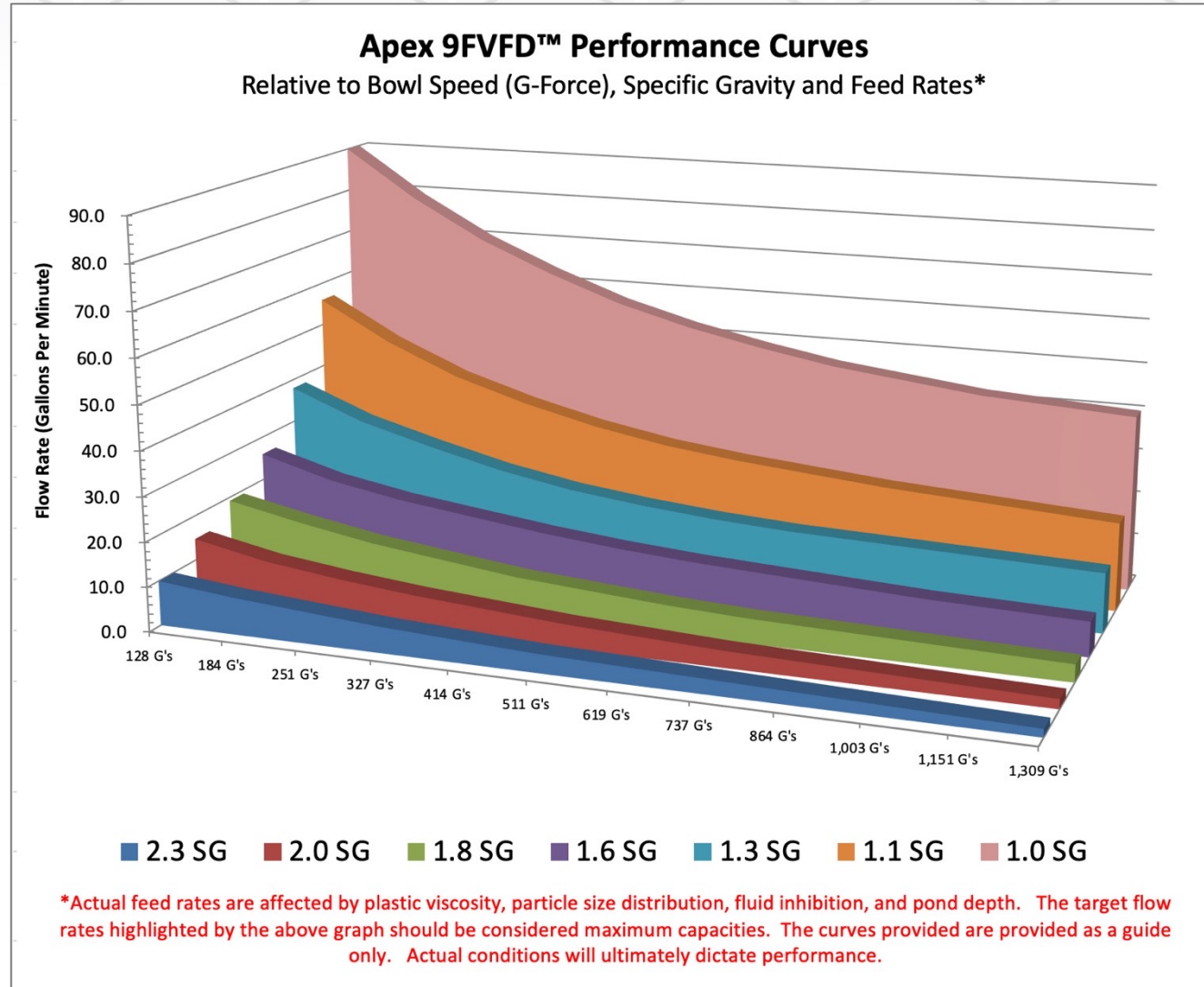
Standard Dual-Sheave Carbon-Fiber Poly-Chain Drive System provides for dual speeds without the use of a VFD.



Standard Main Drive Bearing Thermal-Couple Protection Interlock System.

Apex 9FVFD™

Hydraulic Performance Curve – Flow Loop Validated





Apex 14™

High Speed Decanter Centrifuge



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Apex 14MVD™

Key Features Overview



Four replaceable "wide-mouth", Delchome 90™ discharge ports and plows for easy field maintenance.



Pond depth set by four, adjustable 304SS, epicentric liquid-end discharge ports. easy to field manage & durable.



Fitted with a 50HP NEMA Premium continuous duty main drive motor. Ensures "sweet spot" motor demand.



52:1 or 125:1 Gear Box (for dewatering) with an industry-leading 3.2 kN torque. Excellent for heavy drilling fluids.



Standard Dual-Sheave Carbon-Fiber Poly-Chain Drive System provides for dual speeds without the use of a VFD.



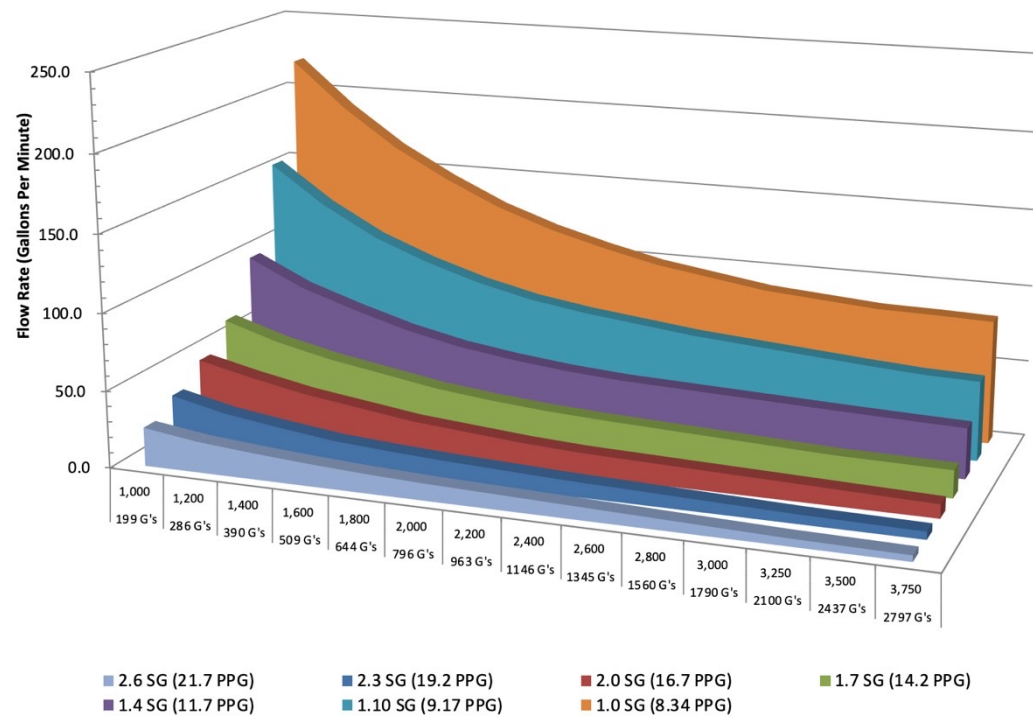
Standard Main Drive Bearing Thermal-Couple Protection Interlock System.

Apex 14™

Hydraulic Performance Curve – Flow Loop Validated

Apex 14MVD™ Performance Curves

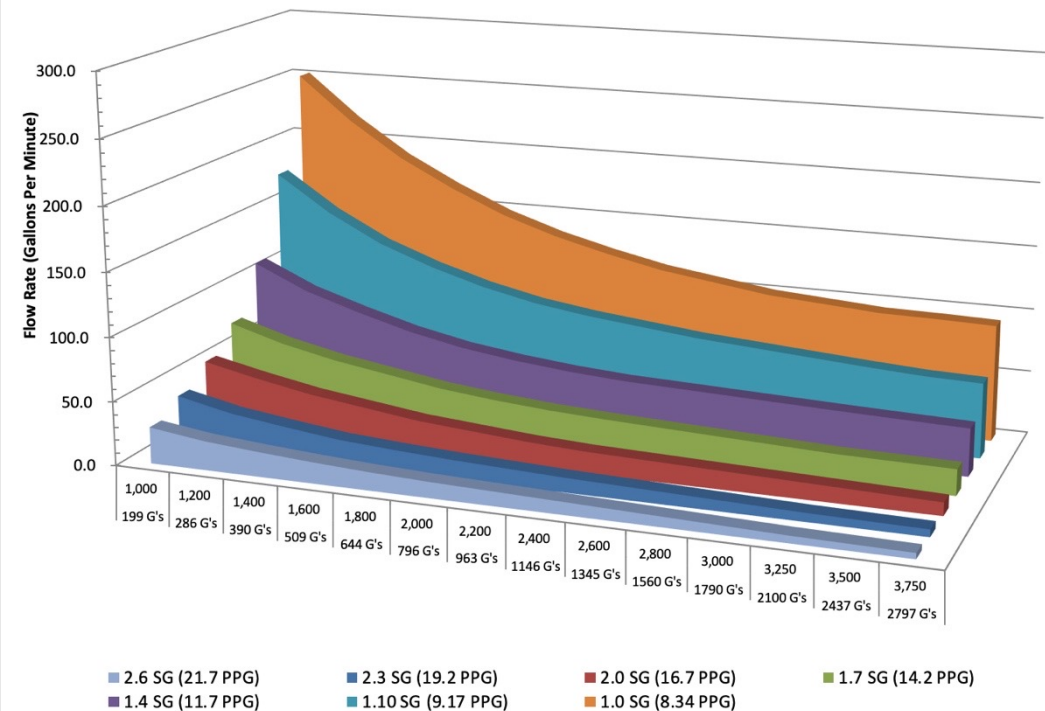
Relative to Bowl Speed (G-Force), Specific Gravity and Feed Rates*



*Actual feed rates are affected by plastic viscosity, particle size distribution, fluid inhibition, and pond depth. The target flow rates highlighted by the above graph should be considered maximum capacities. The curves provided are provided as a guide only. Actual conditions will ultimately dictate performance.

Apex 14FHD™ Performance Curves

Relative to Bowl Speed (G-Force), Specific Gravity and Feed Rates*



*Actual feed rates are affected by plastic viscosity, particle size distribution, fluid inhibition, and pond depth. The target flow rates highlighted by the above graph should be considered maximum capacities. The curves provided are provided as a guide only. Actual conditions will ultimately dictate performance.

Apex 14MVD™

Designed for Durability and Dependability



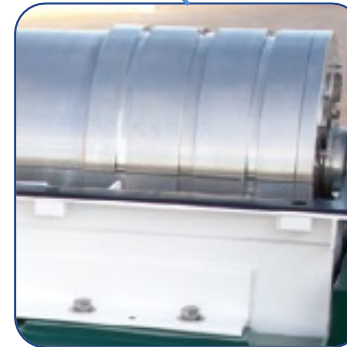
All surfaces fully sand-blasted and powder-coated for maximum wear protection under harsh conditions.



Skid and frame made from ASTM A36 ¼" tubular and plate steel to maximize equipment life.



Redesigned main-drive pillow block utilizing high-quality, premium ball bearings.



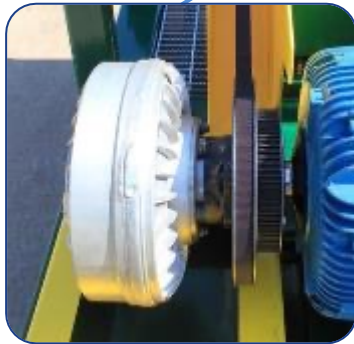
Stainless steel machined rotating assembly for maximum corrosion protection.



Heavy duty cast NEMA 7X control panel.

Apex 14MVD™

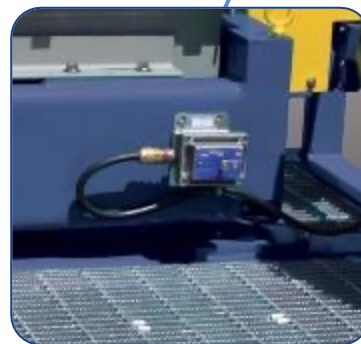
Safety Interlocks and Equipment Protection Systems



Fluid clutch installed to protect motor during start-up and when “pack-off” conditions arise; fully disengages motor.



Main drive bearing thermal-couple sensor protection system to shut down centrifuge when bearings start to fail.



Centrifuge frame vibration sensor protection system to shut down centrifuge with heavy imbalances.



Back-drive high-torque protection system will protect the centrifuge during “pack-off”. Interlocked with controls.



Motor overload protection & centrally located E-Stop.

Apex 14MVD™

Ergonomic Design and Improved Machine Guards



DNV 2.7.1 compliant lifting eyes. Additional lifting points installed on the skid base to provide full installation flexibility.



Full coverage main-drive belt guard to protect employees, the sheaves, and the belt.



Lowered centrifuge center of gravity and direct access to motor, belts, and sheaves to improve maintenance.



Stainless steel top cover, bottom cover and machine guards to ensure maximum equipment life.



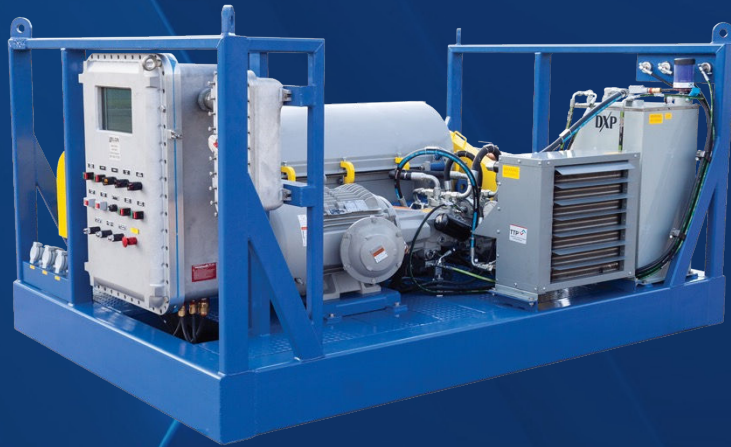
Full cage machine guard for the gear box and torque-arm assembly.

Apex 14MVD-SL™

Slim-Line Design Configuration for Smaller Footprint



Designed with all the same material construction, safety interlocks, and equipment protections as the field skid configuration. Standalone control panel provides for easy access in confined spaces.



Apex 16FVFD™ High Speed Decanter Centrifuge



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Apex 16FVFD™

Key Features Overview



The Apex 16FVFD™ utilizes four, large-mouth, hardened solids discharge wear inserts to maximize equipment life.



Pond depth is set by six, adjustable 304SS, epicentric liquid-end discharge ports. Easy to manage & durable.



Fitted with a 60HP NEMA-Premium continuous duty main drive motor. Ensures “sweet spot” motor demand.



56:1 premium gear box powered by a 20HP back-drive. excellent for heavy drilling fluids.



Standard carbon-fiber poly-chain drive system for maximum life. No belt re-tensioning required.



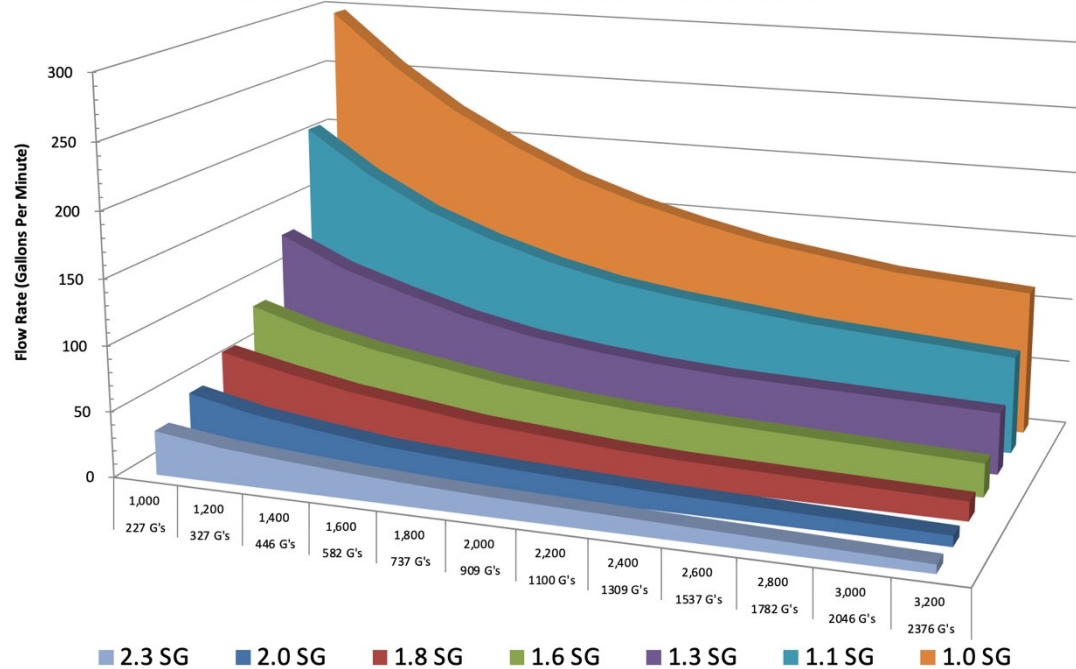
Standard main drive bearing thermal-couple protection interlock system.

Apex 16™

Hydraulic Performance Curve

Apex 16FVFD™ Performance Curves

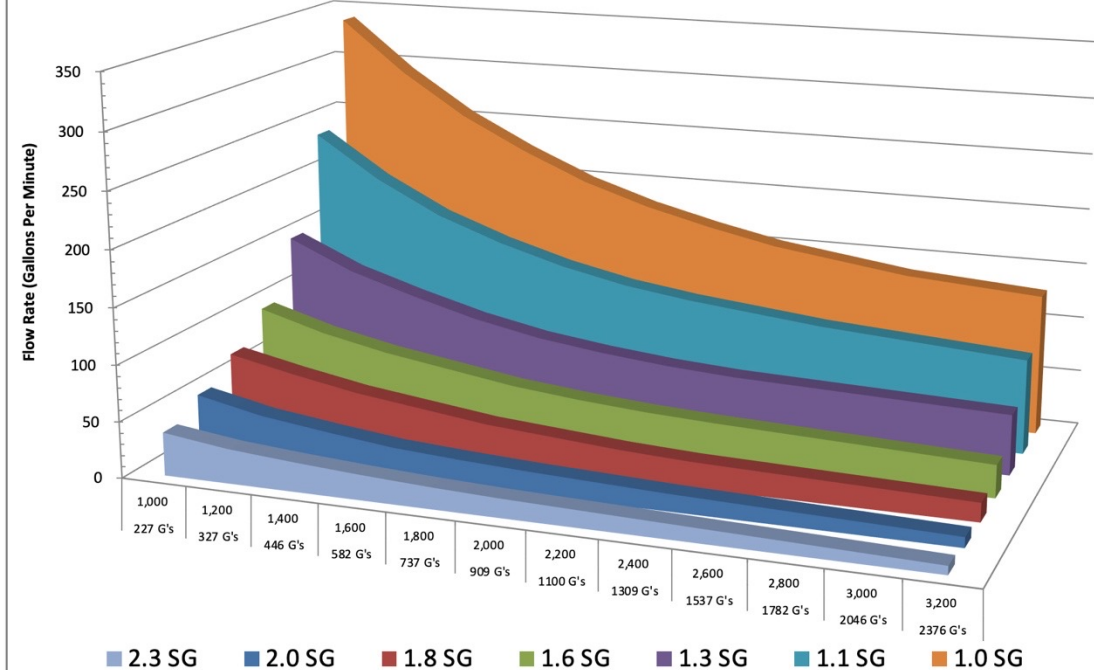
Relative to Bowl Speed (G-Force), Specific Gravity and Feed Rates



*Actual feed rates are affected by plastic viscosity, particle size distribution, fluid inhibition, and pond depth. The target flow rates highlighted by the above graph should be considered maximum capacities. The curves provided are provided as a guide only. Actual conditions will ultimately dictate performance.

Apex 16FHD™ Performance Curves

Relative to Bowl Speed (G-Force), Specific Gravity and Feed Rates



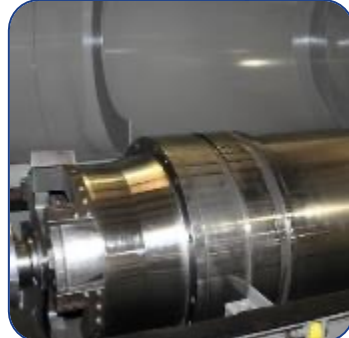
*Actual feed rates are affected by plastic viscosity, particle size distribution, fluid inhibition, and pond depth. The target flow rates highlighted by the above graph should be considered maximum capacities. The curves provided are provided as a guide only. Actual conditions will ultimately dictate performance.

Apex 16FVFD™

Designed for Durability and Dependability



All surfaces fully sand-blasted and powder-coated for maximum wear protection under harsh conditions.



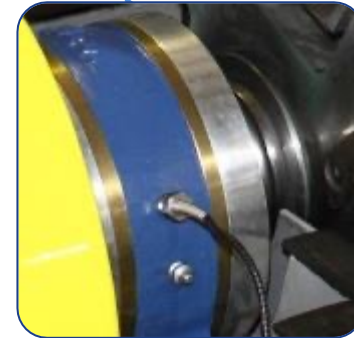
304 stainless steel machined rotating assembly and cover for maximum corrosion protection.



Skid and frame made from ASTM A36 3/8" tubular and plate steel to maximize equipment life.



Sectioned plates on the inside cover direct fluid into discharge valve.



High-speed precision ball-bearings installed in both pillow blocks and conveyor bearings.

Apex 16FVFD™

Safety Interlocks and Equipment Protection Systems



Main drive overload protection automatically built into HMI control interface.



Main drive bearing thermal-couple sensor protection system.



Centrifuge frame vibration sensor protection system.



Front-mounted Emergency Stop and centrifuge cover sensor interlock.



Back drive overload protection automatically built into HMI controls.

Apex 16FVFD™

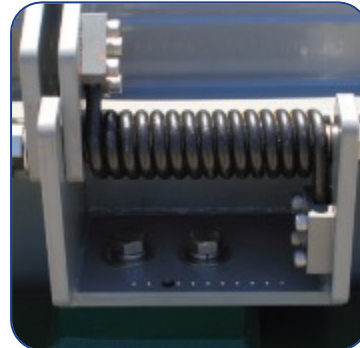
Ergonomic Design and Improved Machine Guards



DNV 2.7.1 compliant lifting eyes on the upper edge of centrifuge frame to support unobstructed lifts.



OSHA compliant full coverage main-drive belt guard to protect employees, the sheaves, and the belt.



Lift-assist spring hinges reduce operator strain when opening the top cover.



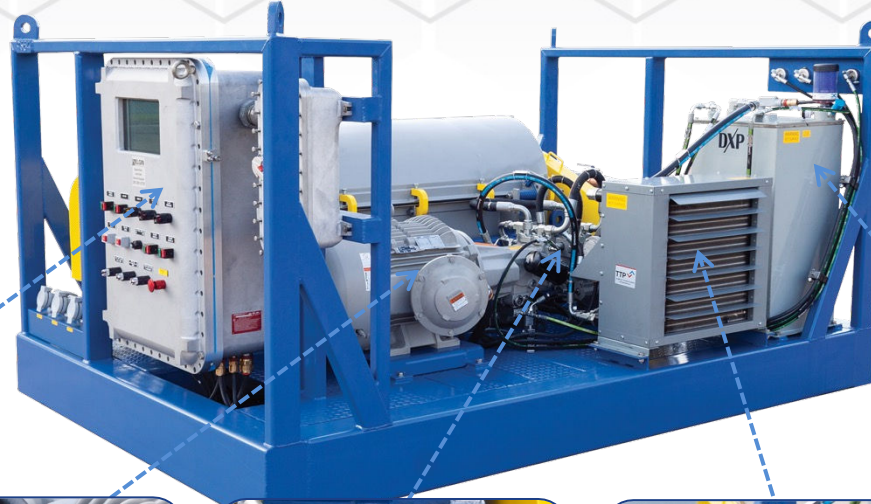
Stainless steel top cover, bottom cover and machine guards to ensure maximum equipment life.



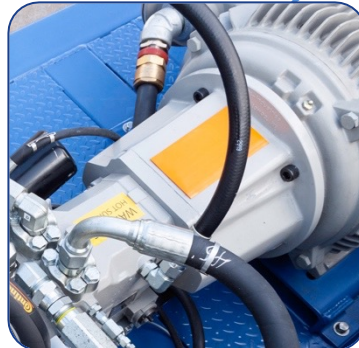
Full cage machine guard for the gear box and motor coupling.

Apex 16FHD™

Electrically Controlled Hydraulic Centrifuge



Class 1-Div 1 control panel with onboard PLC display and VFD modules.



Electrically powered hydraulic pump provides efficient fluid transfer to the hydraulic motor.



Hydraulic controlled motor provides consistent performance.



Heat exchanger displaces the heat generated by the hydraulic operations



Onboard hydraulic fluid reservoir tank with breather filter.



Apex 1842BD™ & Apex 1850BD™ Low Speed Decanter Centrifuge



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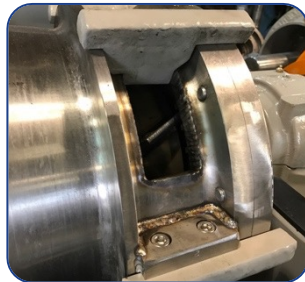
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Apex 1842BD™ & Apex 1850BD™

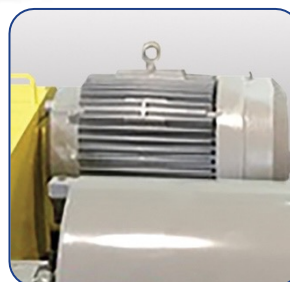
Key Features Overview



The Apex 1842BD & 1850BD™ utilizes a 360-degree discharge port arrangement that ensures smooth directed discharge of the solids.



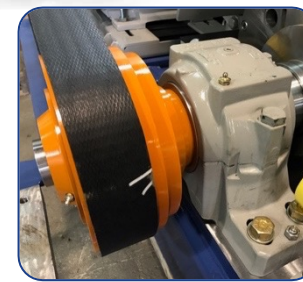
Pond depth Set by four, adjustable 304SS, epicentric liquid-end discharge ports. Easy to manage & durable.



Fitted with a 150HP NEMA-Premium continuous duty main drive motor. Ensures "sweet spot" motor demand.



80:1 premium gear box powered by a industry leading 40HP back-drive. excellent for heavy drilling fluids.



High strength V-belt for continuous motor performance to rotating assembly.



Heavy duty pillow block with SKF bearings.



Apex 19FVFD™

High Speed Decanter Centrifuge

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Apex 19FVFD™

Key Features Overview



The Apex 19FVFD™ utilizes a 360-degree discharge port arrangement that ensures smooth directed discharge of the solids.



Pond depth Set by six, adjustable 304SS, epicentric liquid-end discharge ports. Easy to manage & durable.



Fitted with a 125HP NEMA-Premium continuous duty main drive motor. Ensures "sweet spot" motor demand.



80:1 premium gear box powered by a industry leading 40HP back-drive. excellent for heavy drilling fluids.



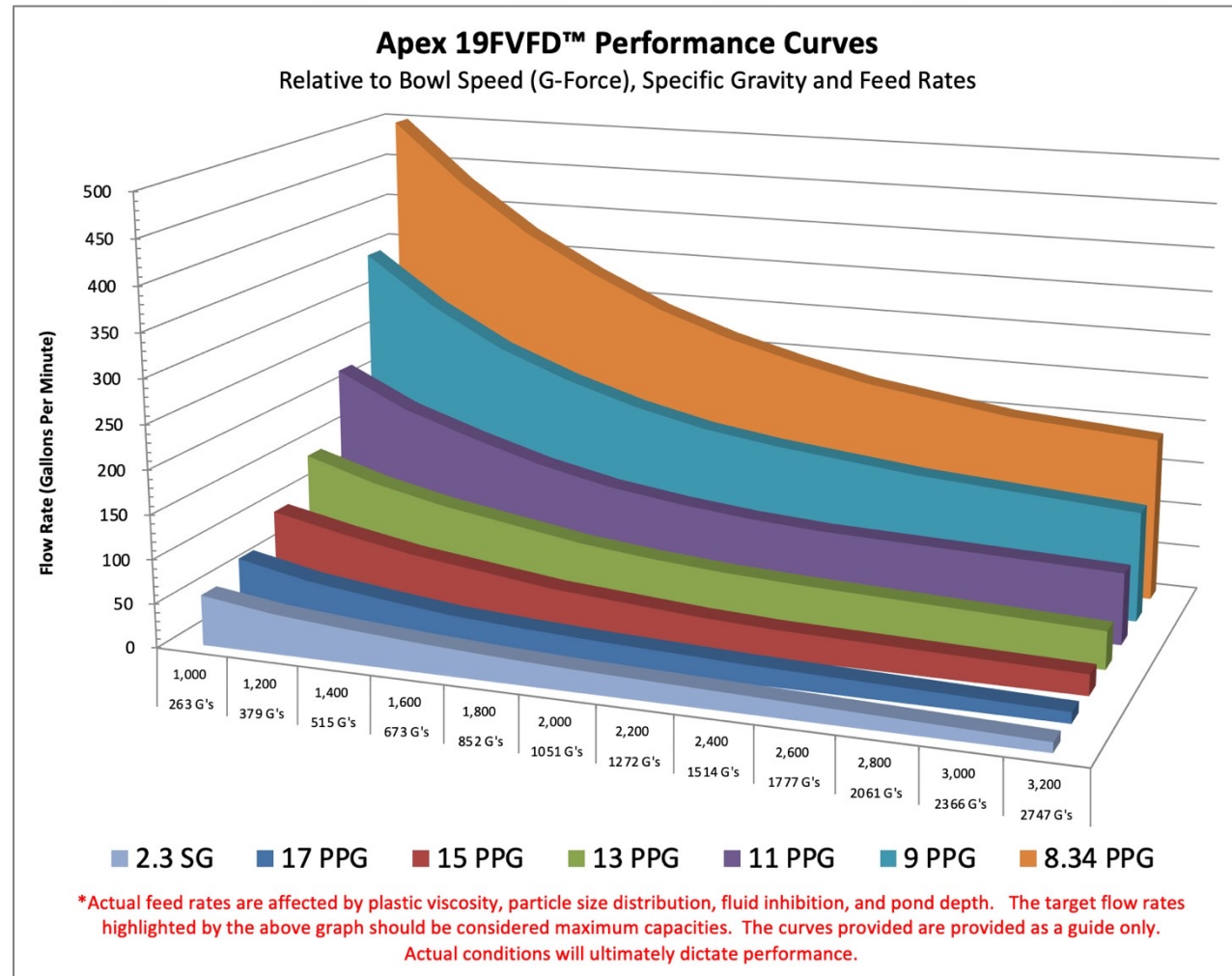
Standard carbon-fiber poly-chain drive system for maximum life. No belt re-tensioning required.



Standard main drive bearing thermal-couple protection interlock system.

Apex 19FVFD™

Hydraulic Performance Curve – Flow Loop Validated



ESS-1967HD2™

Designed for Durability and Dependability



All surfaces fully sand-blasted and powder-coated for maximum wear protection under harsh conditions.



Skid and frame made from ASTM A36 3/8" tubular and plate steel to maximize equipment life.



Dual mated high-speed precision ball-bearings provide for double the L10 life and more stable bearing operation.



304 stainless steel machined rotating assembly and cover for maximum corrosion protection.



304 stainless steel solids-discharge wear ring.

Apex 19FVFD™

Safety Interlocks and Equipment Protection Systems



Apex 19FVFD™

Ergonomic Design and Improved Machine Guards



Full cage machine guard for the gear box and motor coupling.



DNV 2.7.1 compliant lifting eyes on the upper edge of centrifuge frame to support unobstructed lifts.



Lift-assist spring hinges reduce operator strain when opening the top cover.



Stainless steel top cover, bottom cover and machine guards to ensure maximum equipment life.



OSHA compliant full coverage main-drive belt guard.

Apex 19FVFD™

A Myriad of Available Options

Centrifuge Electrical Standards Options

- Class I – Division I Centrifuge
- Class I – Division II Centrifuge
- CE / ATEX / GOST R / Australian

Coating Options

- Custom Paint
- Custom Branding
- Marine Offshore Coating

Electrical Ratings

- 460V / 60Hz – 3 Phase
- 415V / 50Hz – 3 Phase
- 380V / 50Hz – 3 Phase
- 600V / 60Hz – 3 Phase



Support Systems

- Progressive Cavity Feed Pump
- Telescoping Stand
- Screw Conveyors
- Discharge Chutes
- Integrated Dewatering Systems

VFD Controls Options

- Class I – Division II Non-Explosion Proof VFD with HMI
- Class I – Division I Explosion Proof Purge Air VFD with HMI



Apex 25FVFD™

High Speed Decanter Centrifuge

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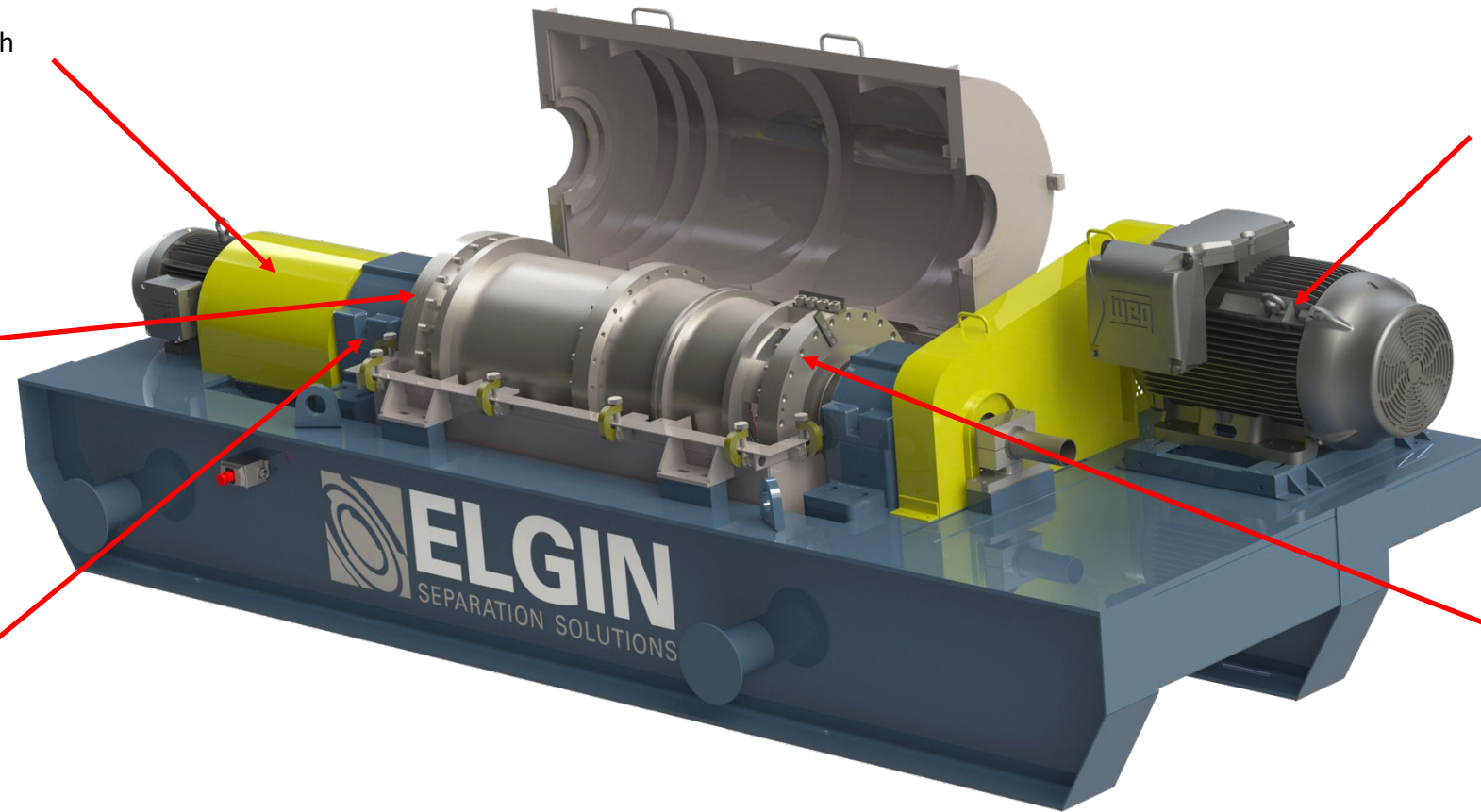
Apex 25FVFD™

System Features

40 HP Back-Drive
Motor Coupled with
76:1 Three-Stage
Planetary Gearbox

Six (6) Adjustable
Liquid-End
Discharge Ports

Heavy-Duty
Pillow Blocks
with Premium
Bearings

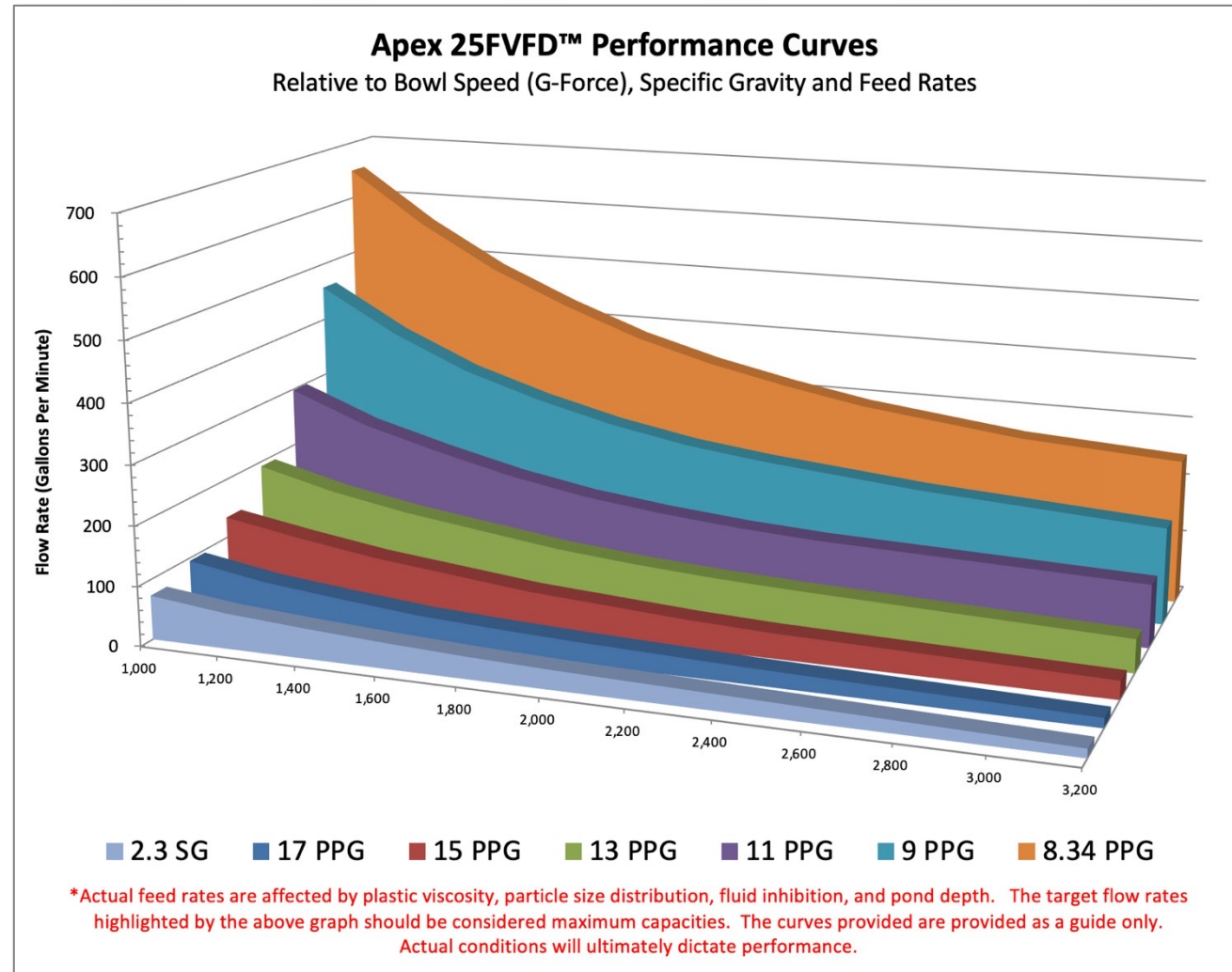


150 HP Continuous
Duty Energy Efficient
Main-Drive Motor

Eight (8) Wide-
Mouth Solids-End
Discharge Ports

Apex 25FVFD™

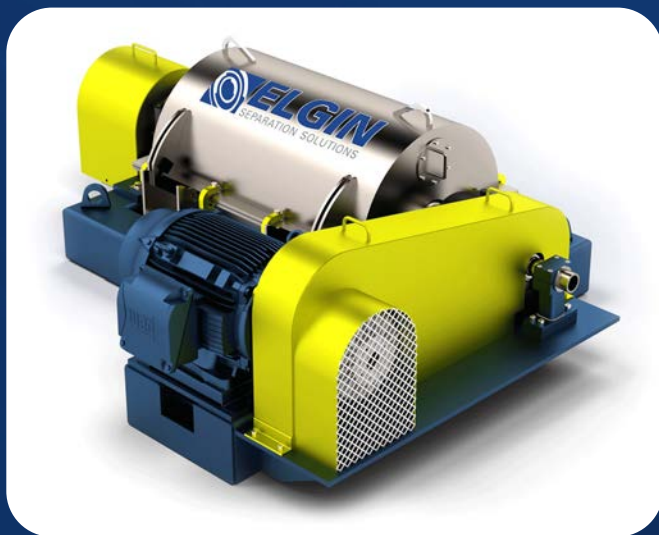
Hydraulic Performance Curve – Flow Loop Validated



ELGIN

ESS-2438BD™ & ESS-2460BD™

Low Speed Decanter Centrifuge



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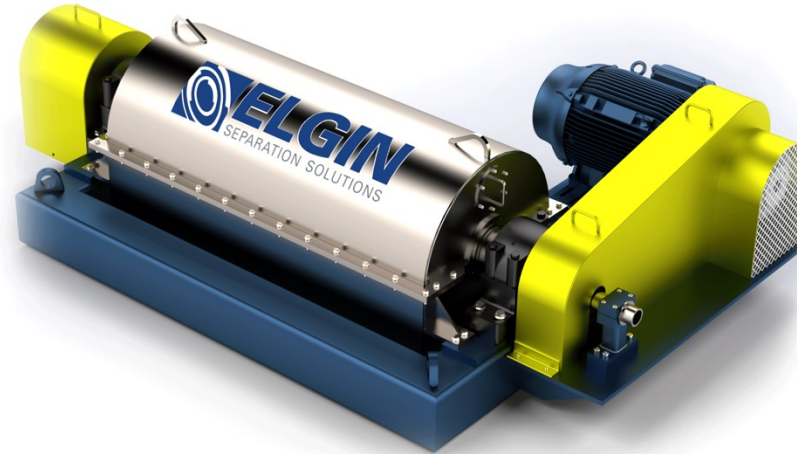
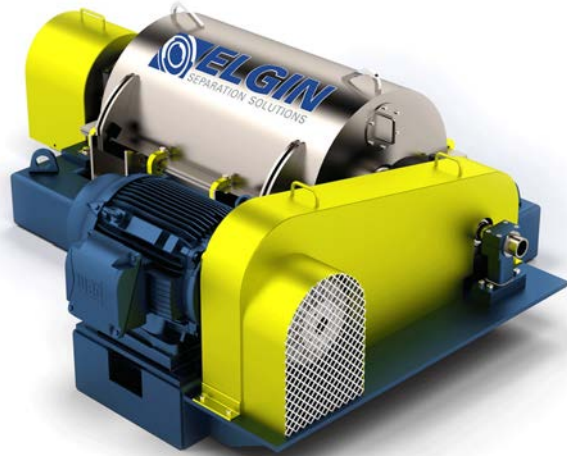
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ESS-2438BD™ & ESS-2460BD™

Key Features Overview



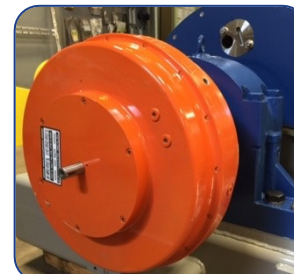
The ESS-1850 HD utilizes a 360 degree discharge port arrangement that ensures smooth directed discharge of the solids.



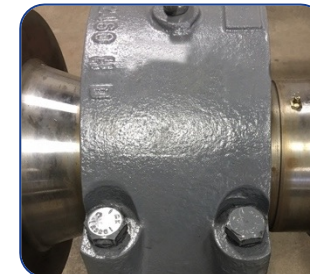
Pond depth Set by four, adjustable 304SS, epicentric liquid-end discharge ports. Easy to manage & durable.



Fitted with a 75HP NEMA-Premium continuous duty main drive motor. Ensures "sweet spot" motor demand.



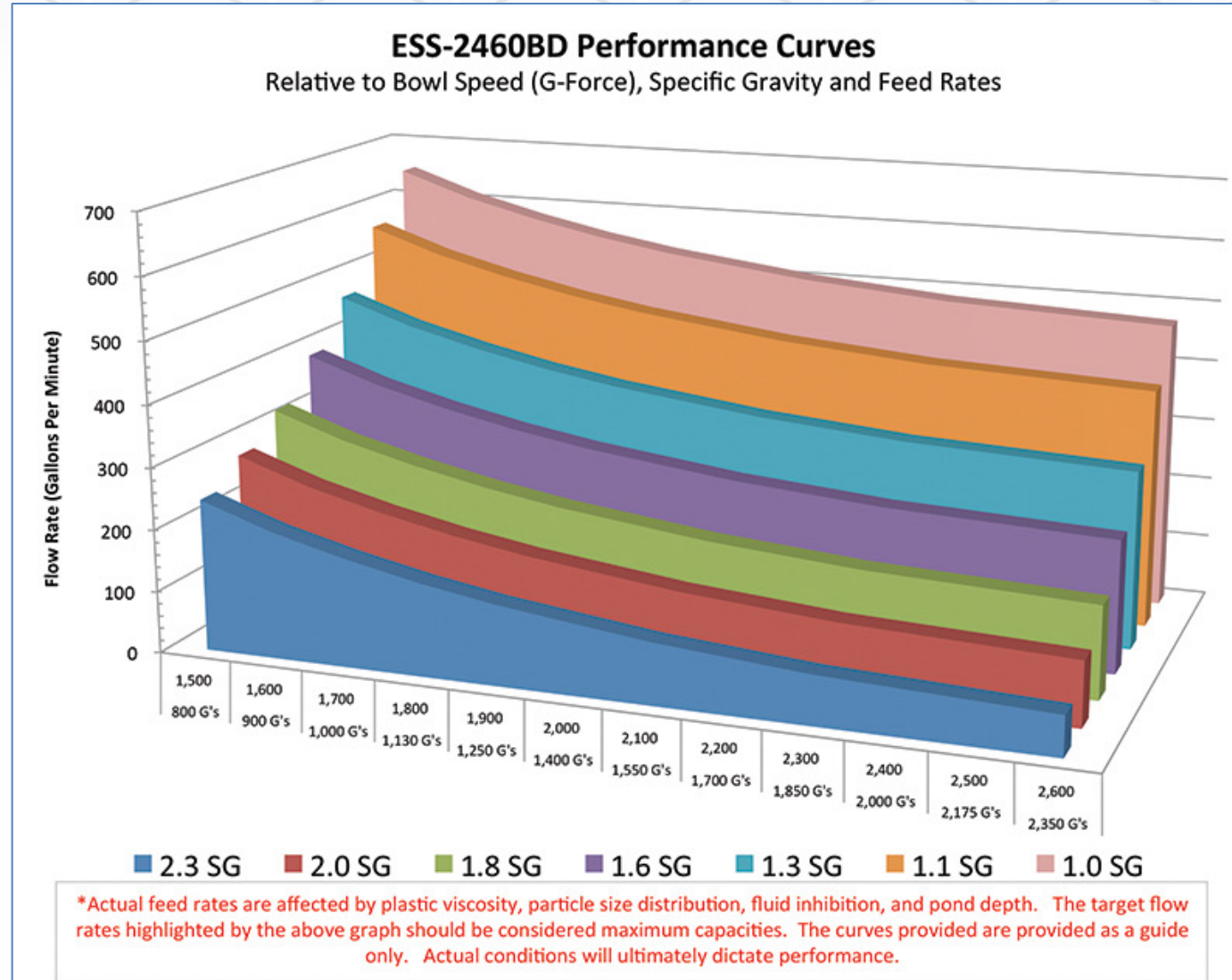
80:1 premium gear box powered by a industry leading 40HP back-drive. excellent for heavy drilling fluids.



Heavy duty, precision machined pillow block with SKF bearings.

ESS-2460BD™

Hydraulic Performance Curve – Flow Loop Validated

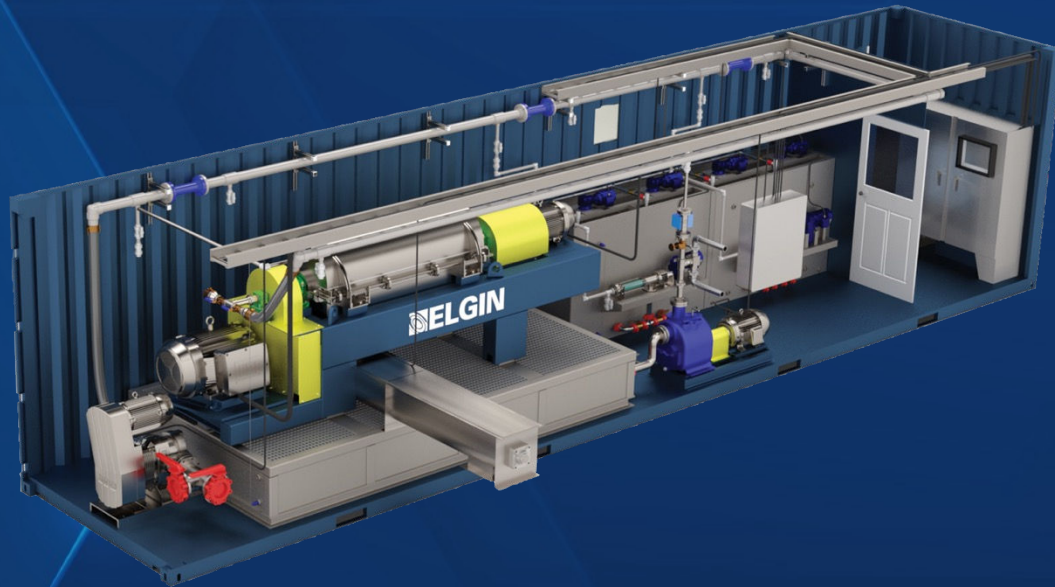


VFD HMI Centrifuge Controls

HMI Proprietary VFD Controls



NEMA 4X SS VFD Cabinet Enclosure with Integrated Touch-Screen Human/Machine Interface	NEMA 4X SS VFD Cabinet Enclosure with Integrated Touch-Screen HMI, Nitrogen Purged Cabinet and Air Conditioning
Class I – Division II Non-Explosion Proof	Class I – Division I Explosion Proof
Fully Variable Frequency Controlled Main Drive and Back Drive	Fully Variable Frequency Controlled Main Drive and Back Drive
High Contrast Weather-Resistant HMI Touch-Screen	High Contrast Weather-Resistant HMI Touch-Screen



Packaged Dewatering Solutions

Centrifuge Packages

Natural Resource Recycling • Product Classification • Dewatering • Fluid Recovery
Waste Management • Material Handling • Liquid/Solid Separation • Crushers • Feeders

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Packaged Dewatering Systems

Centrifuge Technology Integrated with Polymer Injection



10 Foot Containerized Dewatering System

Built inside a 10' container featuring the Apex 9FVFD™ decanter centrifuge. Polymer tanks for coagulant and flocculant with dedicated pumps for injection into manifold with static mixers. Nema 4x control panel with HMI interface controls the entire system. Explosion proof configurations available.



20 Foot Containerized Dewatering System

Built inside a 20' container featuring the Apex 14FVFD™ decanter centrifuge. Polymer tanks for coagulant and flocculant with dedicated pumps for injection into manifold with static mixers. Nema 4x control panel with HMI interface controls the entire system. Explosion proof configurations available.



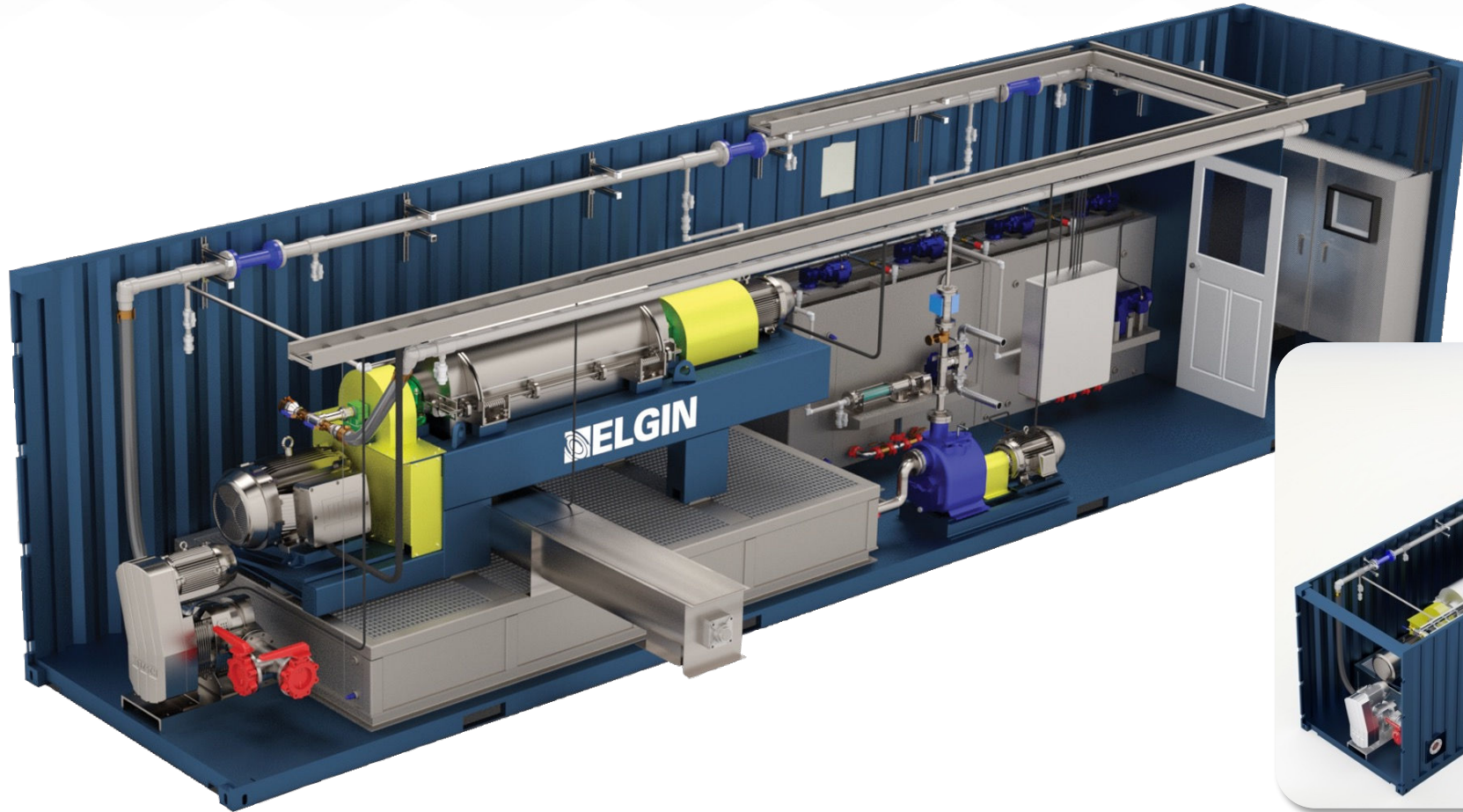
40 Foot Containerized Dewatering System

Built inside a 40' container featuring the Apex 19FVFD™ decanter centrifuge. Polymer tanks for coagulant and flocculant with dedicated pumps for injection into manifold with static mixers. Nema 4x control panel with HMI interface controls the entire system. Explosion proof configurations available.

Each dewatering system can be integrated with a number of customer-specified customizations.

Packaged Dewatering Systems

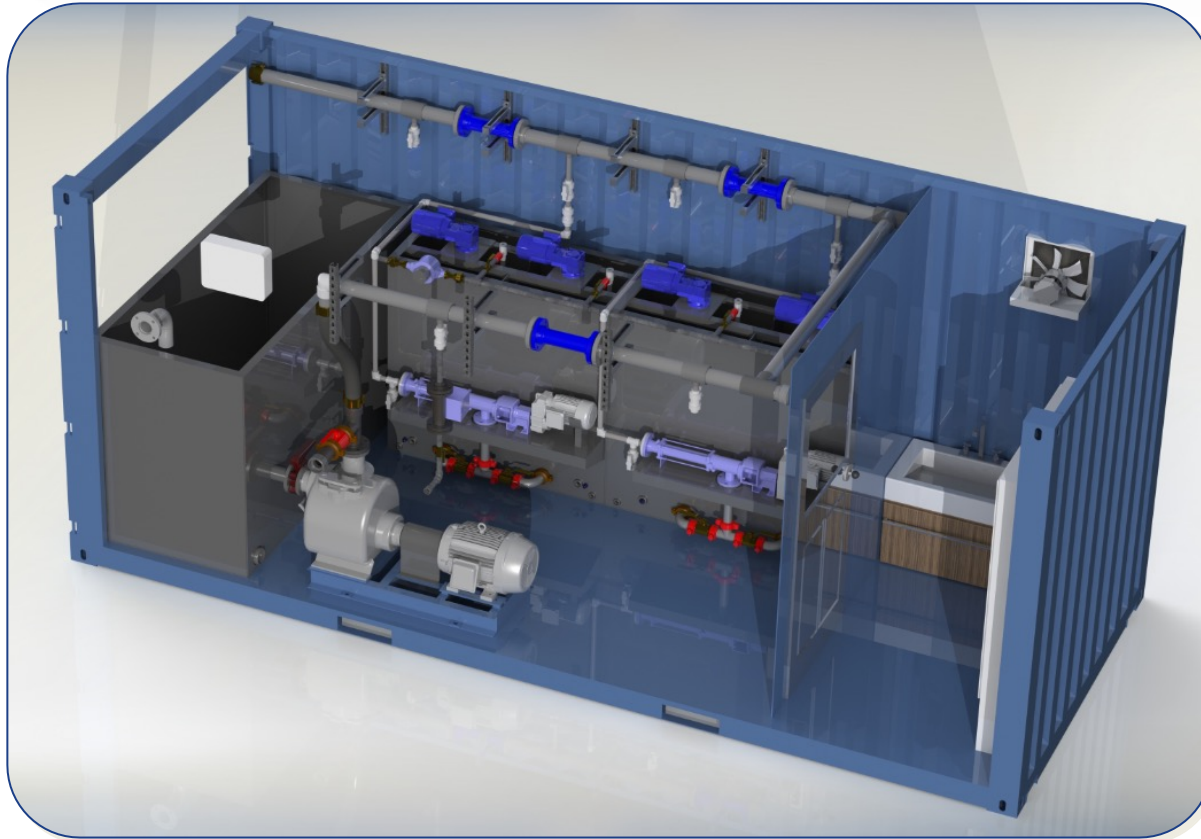
Highly Engineered, Full-Integrated, Solids Control Management Systems



Elgin can fully integrate a number of processes into a single 10', 20' or 40' standard shipping container.

Packaged Chemical Injection Systems

Highly Engineered, Full-Integrated, Solids Control Management Systems



Elgin can fully integrate a number of processes into a single 10', 20' or 40' standard shipping container.



XP Polishers

Mobile Centrifuge Packages



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HDD Centrifuge Integration

Centrifuge Technology Targets Near Colloidal and Ultra Fine Solids



KEMTRON 600 XPT or XPS Integrated Apex 14MVD™ Centrifuge System

Build seamlessly into the primary mud system, the XPT and XPS Polishing Systems provide maximize drilling fluid life. Fully integrated centrifuge, dilution tank, PC pump, screw conveyor and centrate pump.



Independent Apex 19FVFD XP Polisher Mobile Centrifuge Packages

Built into a 36K triple-axel when using a single Apex 19FVFD™ centrifuge or a 56' dual-axel rock-over trailer, when using two Apex 19FVFD™ centrifuges, these systems are designed to handle large volumes of drilling fluids without slowing down drilling operations.



Independent Apex 16FVFD™ XP Polisher Mobile Centrifuge Package

Utilizing a 30K triple-axel trailer, the Apex 16FVFD™ XP Polisher integrates with existing solids control assets (i.e. KEMTRON 400, KEMTRON 600, KEMTRON 800, etc.). On board power and chemical injection (Select Floc LP3) systems are available for 100% removal of suspended solids.

Each XP Polisher system can be integrated with a number of customer-specified customizations.

KEMTRON 600XPS™ System

Mobile Systems are Designed to Provide a Series of Integrated Processes:

Fluid Transport, Flow & Mixing

Provides feed to hydro-cyclone system, mixing systems, and tank agitation.

Tertiary Treatment

Performed via decanter centrifuge to achieve a tertiary cut down to 5 microns.

Fluid Mixing & Containment

Provides drilling fluid management & mixing through the use of tanks & agitators.

Secondary Separation

Performed via hydro-cyclones to achieve a secondary cut down to 30 microns.

Primary Separation

Performed via a shaker system to achieve a primary cut down to 100 microns.



Packaged mud reclamation systems are designed to integrate a number of processes into one platform and may include generator packages and trailers.

Apex 19FVFD XP™ Polishing System

Mobile Systems are Designed to Provide a Series of Integrated Processes:

High Volume Treatment

Uses our most advanced ESS-1967HD2 centrifuge with variable speed drives.

Fluid Management

Integrated centrate tank and self-priming centrate pump.

Maximum Control

Integrated proprietary HMI touch-screen VFD control system.

Centrifuge Feed System

Performed via a VFD adjustable progressive cavity feed pump.

On-Board Generator Power

Powered by a 100KW EPA Tier-4 Generator with remote controls.



Mobile polishing systems are designed to integrate a number of processes into one platform and may include generator packages and trailers.

Custom Engineered Solutions

Turn-Key Systems Designed Around Customers Existing Assets

Elgin's in-house team of engineers and technicians can incorporate customer's existing assets to build a custom trailer mounted or containerized system for operational needs.

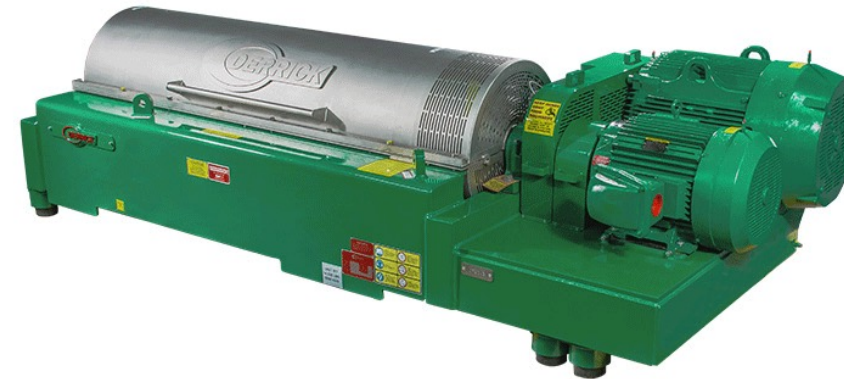
Modular systems can be fully equipped with collection tanks, solids discharge conveyors, polymer injection systems, dedicated power pack, and centralized control system.



Aftermarket Parts and Service

Complete Part Inventory and Service for Elgin and Competitor Centrifuges

Elgin has vast experience in centrifuge repair and refurbishment of the industry's most popular decanter centrifuges. Elgin can provide a one-stop-shop service relative to maintaining your entire centrifuge fleet. Instead of distributing your maintenance service amongst a variety of suppliers, Elgin provides a single point of contact for all your centrifuge repairs.



Though Elgin's field service, repair and remanufacturing services are tough to beat, our greatest value is in the depth of OEM engineered spare parts offered. Spare parts provided by Elgin are OEM designed to outperform those typically available from aftermarket providers. This is not simply because of our commitment to dimensional accuracy, but because of the enhanced features developed over the years to improve the performance of your centrifuge.

Elgin can fully service and repair the following centrifuges for the Oil & Gas industry:

- Alpha Laval Lynx 20 & 40™
- NOV HS-3400™
- Hutchinson & Hayes 1448™
- Tecumseh 1655 & 1655 FVS™
- G-Tech 1656™
- Tomoe TDM-50™
- Derrick DE-1000 & DE-7200™

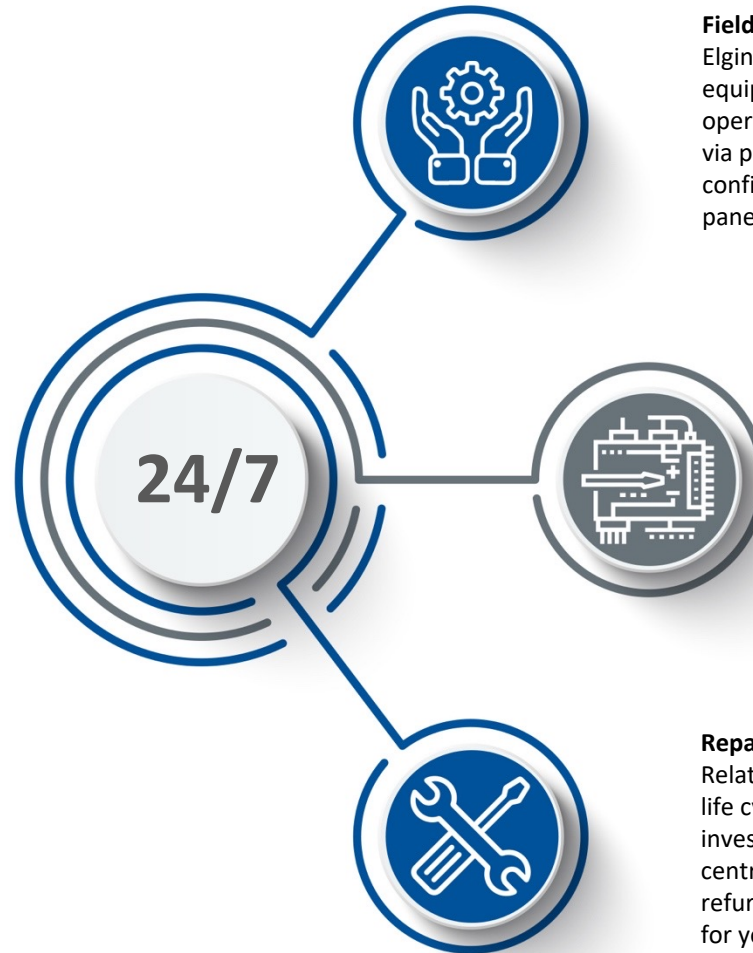
Elgin can fully service and repair the following centrifuges for the Rendering industry:

- Bird™
- Flotweg™
- Sharples™
- Centex™
- FLSmidth™

Global Support

Full Installation and Field Service Technical Support

Elgin provides full installation and technical support for all its equipment. With technical support offices in Brisbane, Australia; Edmonton, Canada; Houston, Texas; Raleigh, Illinois; Moscow, Russia; Dubai, United Arab Emirates; and Baroda, India, Elgin can mobilize field technicians within 24 hours to almost any location in the world. With over 30 years of experience in centrifuge repair and refurbishment of the industry's most popular decanter centrifuges, Elgin has the largest one-stop-shop service footprint for maintaining your entire centrifuge fleet.



Field Service Technicians

Elgin's technicians specialize in field installation and equipment commissioning for both on-shore and off-shore operations. In addition, technical support is available 24/7 via phone or video chat. Depending on system configuration, our technicians can remote access control panels for troubleshooting and software upgrades.

OEM Spare Parts

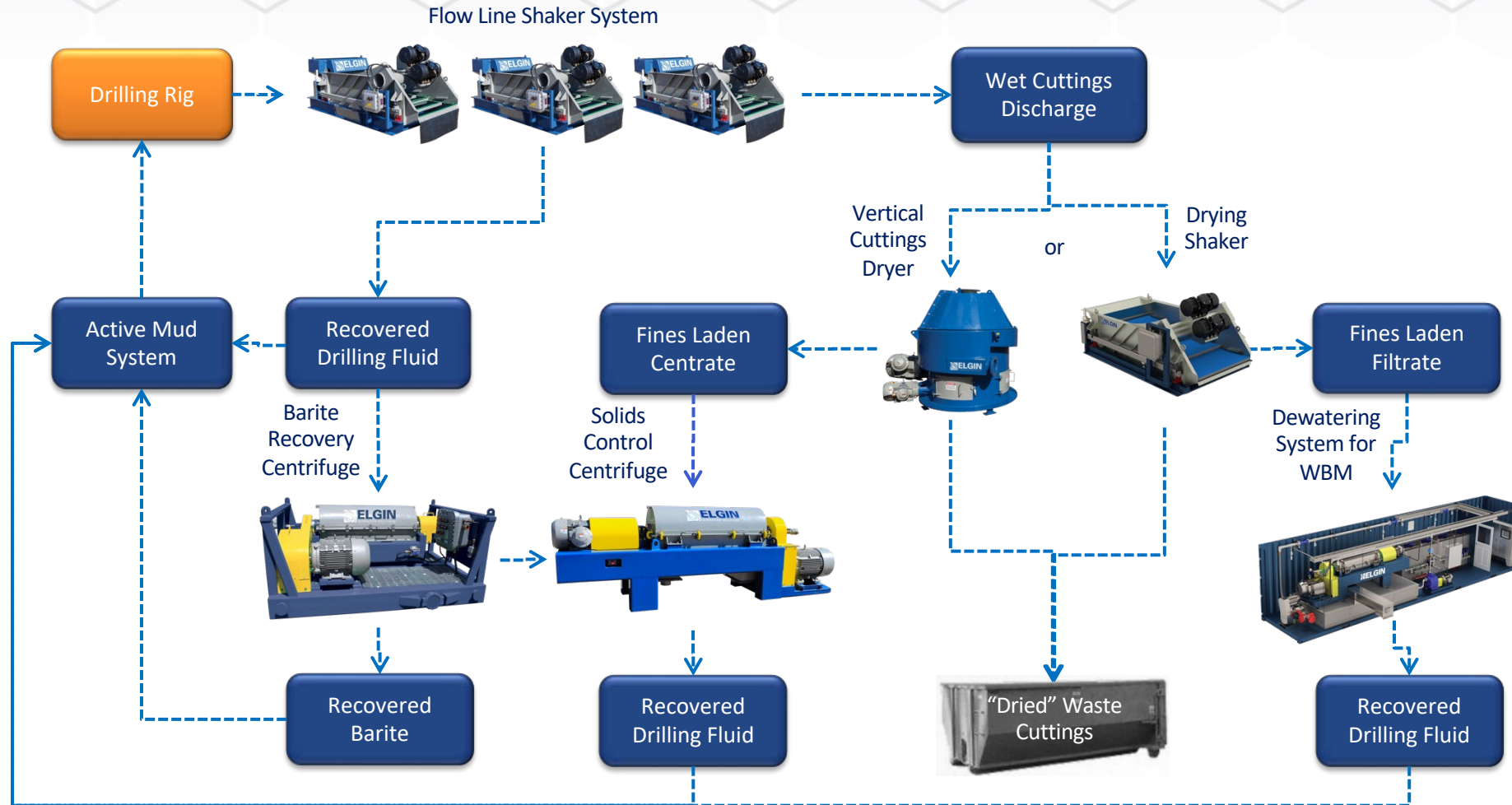
Elgin maintains a complete inventory of spare parts and consumables available to ship world-wide ensuring minimal equipment downtime. Additionally, Elgin offers replacement parts for most competitor centrifuges.

Repair/Refurbish Services

Relative to our commitment to the product life cycle and asset management, Elgin has invested in high-quality, full-service, centrifuge repair centers to provide repair, refurbishment and remanufacturing services for your decanter centrifuge fleet.

Closing the WBM & OBM Loop

Integrated Solids Control and Waste Management Products



Elgin's product portfolio provides a "one-stop" shop for any solids control management or waste management challenge.

Elgin Value

Definitive Value Proposition in Utilizing Elgin Shakers



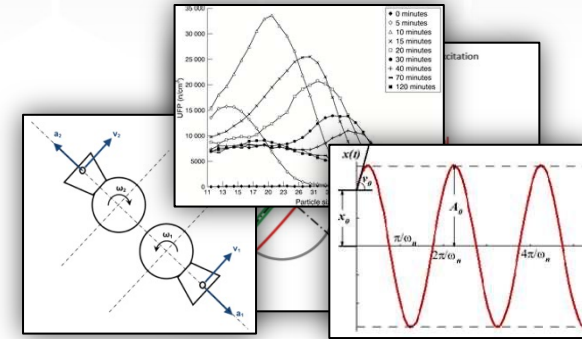
Unsurpassed Experience

Elgin Separation Solutions has shipped shakers to over 40 different countries over the last 25 years and continues to provide local support and maintenance in 16 different countries.



Unsurpassed Durability

With more than 30 years of experience building shakers for the oil and gas industry, Elgin Separation Solutions has developed a reputation for the most durable systems in the market. The average asset life exceeds 10 years with proper preventative maintenance.



Engineering Support

Elgin's dedicated Engineering team evaluates system hydraulics, frictional losses, predictive reliability, and failure mode evaluation analysis ("FMEA") for each shaker designed. Months of product validation testing is performed prior to the release of any Elgin shaker.

Elgin manufactures its own spare parts and consumables ensuring 100% integrated accountability for the entire shaker.



Decanter Centrifuges Products Overview

2024 – Revision A

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