



SEPRO TYRE DRIVE SCRUBBERS

APPLICATIONS

- Processing of wet tropical laterites prior to recovery of nickel, cobalt and other minerals
- Washing of laterites to liberate fine precious metals or minerals for gravity recovery
- Deagglomeration of historic tailings prior to reprocessing
- Removal of clay from hard rock ores prior to crushing
- Washing of crushed aggregate, gravel and sand to remove clay contamination
- Cleaning of contaminated soil and rubble

KEY ADVANTAGES

- Short delivery times
- Low installation costs with no heavy foundation requirements
- No critical components such as ring gears, chain drive, steel wheels or trunnion bearings
- Standard, off-the-shelf major components to minimize any downtime
- Commercial heavy truck tyres that can easily be sourced locally
- Units are all pre-assembled and shop tested
- Rubber shell liners and lifters for long life and ease of replacement
- Shell supported design allows for quick and efficient maintenance

FEED SIZE UP TO 600 MM WITH A SUPERIOR MECHANICAL DRIVE SYSTEM

Sepro Tyre Drive Scrubbers feature a rugged, simple design and incorporate robust components to give low capital and operating costs combined with high availability. Operating in many applications on feeds with high clay contents, Sepro Scrubbers are well proven as the optimum choice for difficult ore and stone washing duties. The variable frequency drive (VFD) package accompanying each unit allows operators to fine tune the parameters of the scrubber based on the application. No auxiliary drive is required to perform maintenance. Sepro Scrubber shells are manufactured in one piece to high quality standards and are thermally stress relieved to eliminate localized high stress areas.

These scrubbers utilize Sepro's Pneumatic Tyre Drive System (PTD) which provides an alternative to standard chain and gear drive systems. This system of rubber tyres mounted on independent gear boxes provides excellent serviceability and reliability, having been well proven in numerous difficult applications. An instrumental feature accompanying Sepro's tyre driven equipment is the tyre pressure monitoring system (TPMS) which comes standard with each Sepro rotary control console.

Sepro operates pilot scale facilities, which generate reliable data for scale up to commercial operation. Pilot scale machines are also supplied for field test purposes.

SEPRO TYRE DRIVE SCRUBBERS

STANDARD SCRUBBER SIZES

DIA. X L (m)	INSTALLED POWER (kW)
1.2 x 3.0	15
1.5 x 3.6	30
1.8 x 3.6	44
2.1 x 4.0	75
2.1 x 5.0	90
8 ft. x 14 ft. (2.4 x 4.2)	110*
2.5 x 6.0	135 – 165
3.0 x 8.0	220 – 300
3.6 x 10.0	450 – 550
3.6 x 12.0	540 – 660

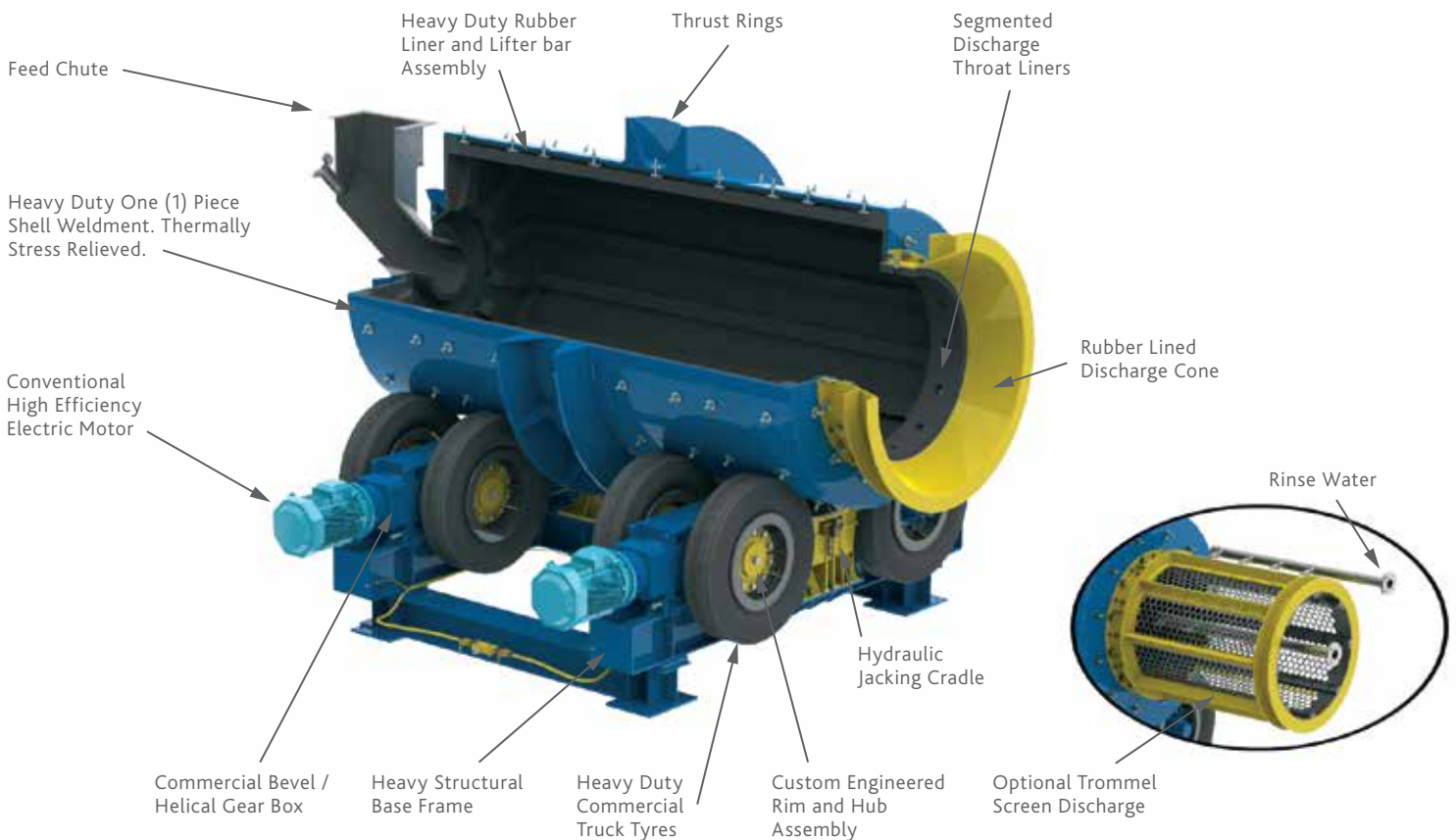
*Engineered replacement for North American built 8 ft. x 14 ft. Scrubber.



2.4 x 4.2 Sepro Scrubber



Sepro Pneumatic Tyre Drive System (PTD)



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