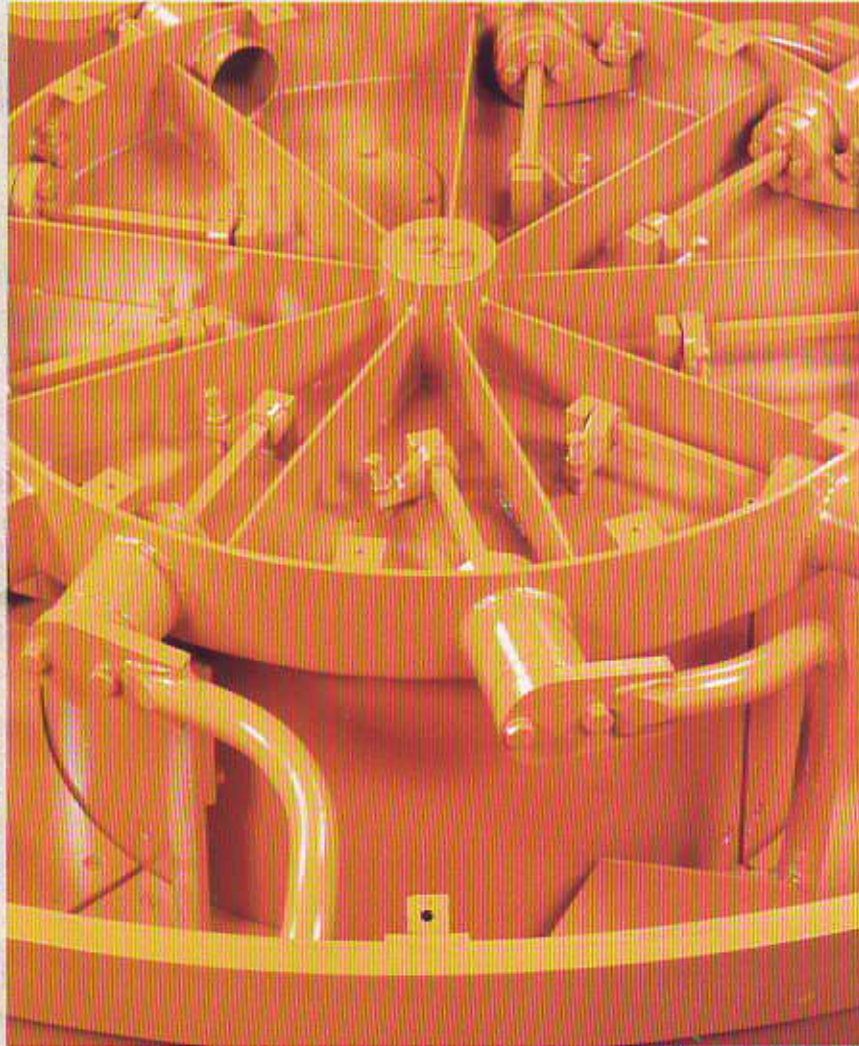


VOELLER CYCLO-MIXER

fast and thorough mixing, highly dependable, exceptional support...



...a capability proven the world over

CYCLO MIXER

COMPULSORY MIXERS FOR QUALITY PRODUCTS

Benefiting from a heritage going all the way back to 1961, the Voeller Cyclo-Mixer today continues to prove

that are available, you can tailor the mixer to meet your requirements. Regardless of your choice, you can be assured of a level of performance and productivity that will enhance your operations.

CHECK ITS CREDENTIALS.

The Cyclo-Mixer is designed and constructed to deliver the type of mixing action that means consistent quality in your end product day-in and day-out. Paddle design and placement provide superior mixing, eliminates dependence on gravity. A normal batch cycle is a quick 90-120 seconds. Batch cycle time may vary due to type of material and how fast you can charge and handle the discharged material. Compact, low headroom requirements saves plant space.

IT'S YOUR CALL. EQUIP THE CYCLO-MIXER TO FIT YOUR REQUIREMENTS.


You can customize your Cyclo-Mixer to your specific application. Important choices include V-belt or direct drive transmission, discharge door locations to match your material handling system and control options that will enhance operation and service life. All help ensure that the mixer you put in your plant provides optimum performance and return on your investment.

itself on demanding applications worldwide.

The first Cyclo-Mixer went to work over thirty-five years ago. Since that time the product line has grown and features added or enhanced in response to customers' input. What has not changed is the basic design philosophy — a reliable product that delivers fast, thorough, mixing action, increases profitability, and is backed by exceptional factory support.

LOOK AT THE BASICS.

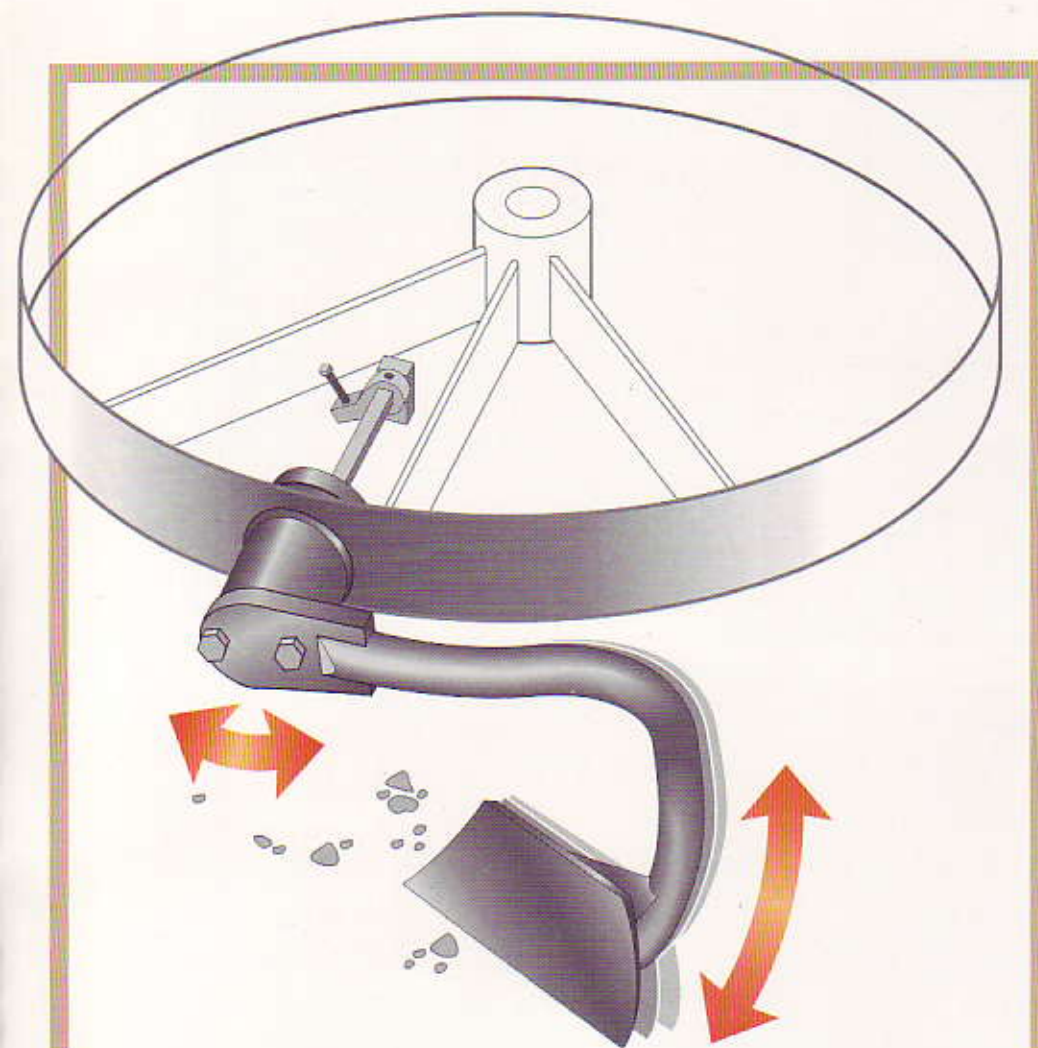
The Cyclo-Mixer is available in capacities from 1/2-yard to 5-yards, with either V-belt or direct drive transmissions. With various options



2-yard, direct drive
CM-650 Cyclo-Mixer
with optional
discharge door dust
enclosure.

Important: Mixers shown may have covers and enclosures removed. All covers and enclosures must be in place when operating.





CUSHIONED MIXING POWER

Cushioned mixing power keeps productivity high, maintenance low. Torsion bar mounted mixer arms are a key component in Cyclo-Mixer's reliability-driven design philosophy. Because the arms flex both up and back, any material that is lodged under the mixing paddles is released. This unique feature reduces stress and wear on the mixer arms and reduces gouging of liners. It's a Voeller exclusive! Mixers that have fixed arms can experience bent or broken arms.



Standard discharge door guard.

COMPACT, LOW HEADROOM REQUIREMENTS

The Cyclo-Mixer's low silhouette allows it to be installed in tight quarters, reduces overall height requirement of structure.

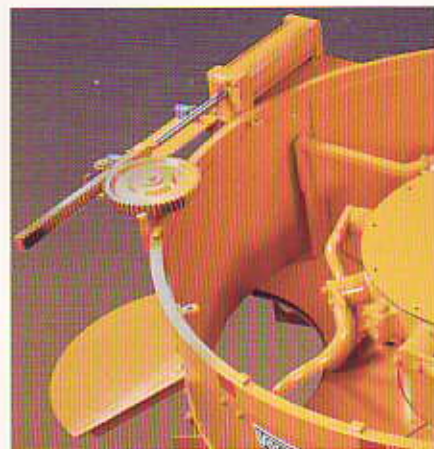


LINER DESIGN SAVES TIME AND MONEY.

Full height wall liners are reversible providing extra wear and longer service life. Floor liners can be replaced without removing wall liners.

POSITIVE DISCHARGE DOOR OPENING

Air activated rack and pinion assembly makes discharge door opening smooth and positive. Semi-



circular slide doors open 100% to speed discharge. One door is standard, up to 3 doors optional. Safety guards around the rack and pinion and the discharge door are standard. Standard air cylinders are 80



to 100 PSI, 40 to 60 PSI cylinders are optional.

Optional limit switches alert computer when doors are open so machine cannot be charged. Adjustable rubber door seal prevents material from leaking out around discharge door.

POWERFUL DRIVE MOTORS

Standard drive motors under 100 HP are 230/460 volt, 60 Hz, 3 phase TEFC. Standard motors over 100 HP are



Direct drive



V-belt drive

230/460 volt, 60 Hz, 3 phase Encapsulated. Other motors are available to meet special applications. Cover design for V-belt enclosure

allows easy access for belt adjustment.

POSITIVE TRANSMISSION LUBRICATION

Both style of transmissions use a flow through lubrication system that keeps bearings and



gears properly lubricated. It also reduces heat build up from moving parts increasing component life. Transmission is protected by a lubrication system that is powered by a 1/2 HP motor pump unit and includes an electric flow meter to ensure oil flow and replaceable oil filter element. See through oil filler pipe on direct drive and oil level/temperature gauge on V-belt models allow easy visual oil level check.

INSTRUMENTATION/INDICATORS KEEP PRODUCTION RUNNING SMOOTHLY

Replaceable oil filters, flow meters, and belt adjustment are some of the features that ensure the Cyclo-Mixer will give years of dependable service. Cyclo-Mixer has been proven time and again in some of the most demanding applications.





ENCLOSURE HOLDS DOWN DUST

Optional dust enclosure for the swivel discharge door helps to minimize work environment concerns when discharging dry material. Flange on bottom of enclosure permits connection to chutes or hopper. The split design makes removal fast and easy. An access door permits quick inspection.

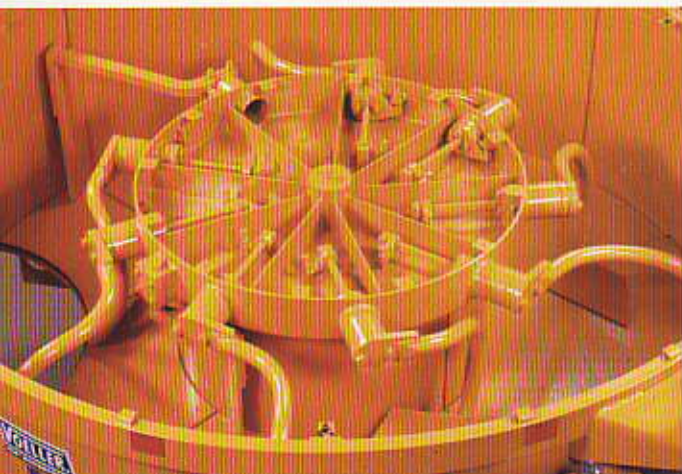
SPINNER ASSEMBLY PROVIDES THOROUGH DEPENDABLE MIXING ACTION

Spinner assembly features unitized construction, unique arrangement of



AMPLE ACCESS FOR FAST CHARGING FROM ANY DIRECTION

The top dust cover panels are gasketed and bolted in place. This provides for a dust free environment and virtually unobstructed top on the mixer. Optional hinged dust cover panels with limit switches simplify cleaning. Covers can be opened even if there are obstructions above the mixer.



paddles and arms to ensure a consistent, high quality mix. Spinner cover has a rubber seal to keep dust out of the assembly.



CUSTOMER SATISFACTION — OUR GUARANTY

At Voeller, after-sale support is as high a priority as the initial sale. We back your Cyclo-Mixer with the kind of service that helps you get back in operation quickly if a problem ever occurs. We offer either factory or on-site assistance and will go beyond what is normally expected.

We also maintain an exceptionally large inventory of parts to back up your Cyclo-Mixer and we pride ourselves on quick response, quick turnaround. Parts are available 24 hours a day, 7 days a week in cases of emergency or special

2-yard, V-belt drive CM-650
Cyclo-Mixer with standard
discharge door guard.



arrangements. Normal orders are shipped in 2-3 days.

GLOBAL PRESENCE AND ACCEPTANCE

You'll find Cyclo-Mixers on the job in plants around the world including the United Kingdom, Denmark, Korea, Columbia, Venezuela, Australia, India, Taiwan, Mexico, South Africa, China, Poland and many more. This acceptance is testimony to its heritage, proven performance and after-the-sale support.

BASIC SPECIFICATIONS

Capacities from 1/2-yard to 5-yards

Direct or V-belt drive

Torsion bar mounted mixer arms

Reversible wall liners

Up to 3 discharge doors

APPLICATIONS

Concrete products including precast, prestressed, pipe and block

Glass products including float and fiber glass and containers

Fly ash

Refractories

Other special applications

WE RESERVE THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE. THE ONLY WARRANTY IS OUR STANDARD WRITTEN WARRANTY. WE MAKE NO OTHER WARRANTY EXPRESSED OR IMPLIED.



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