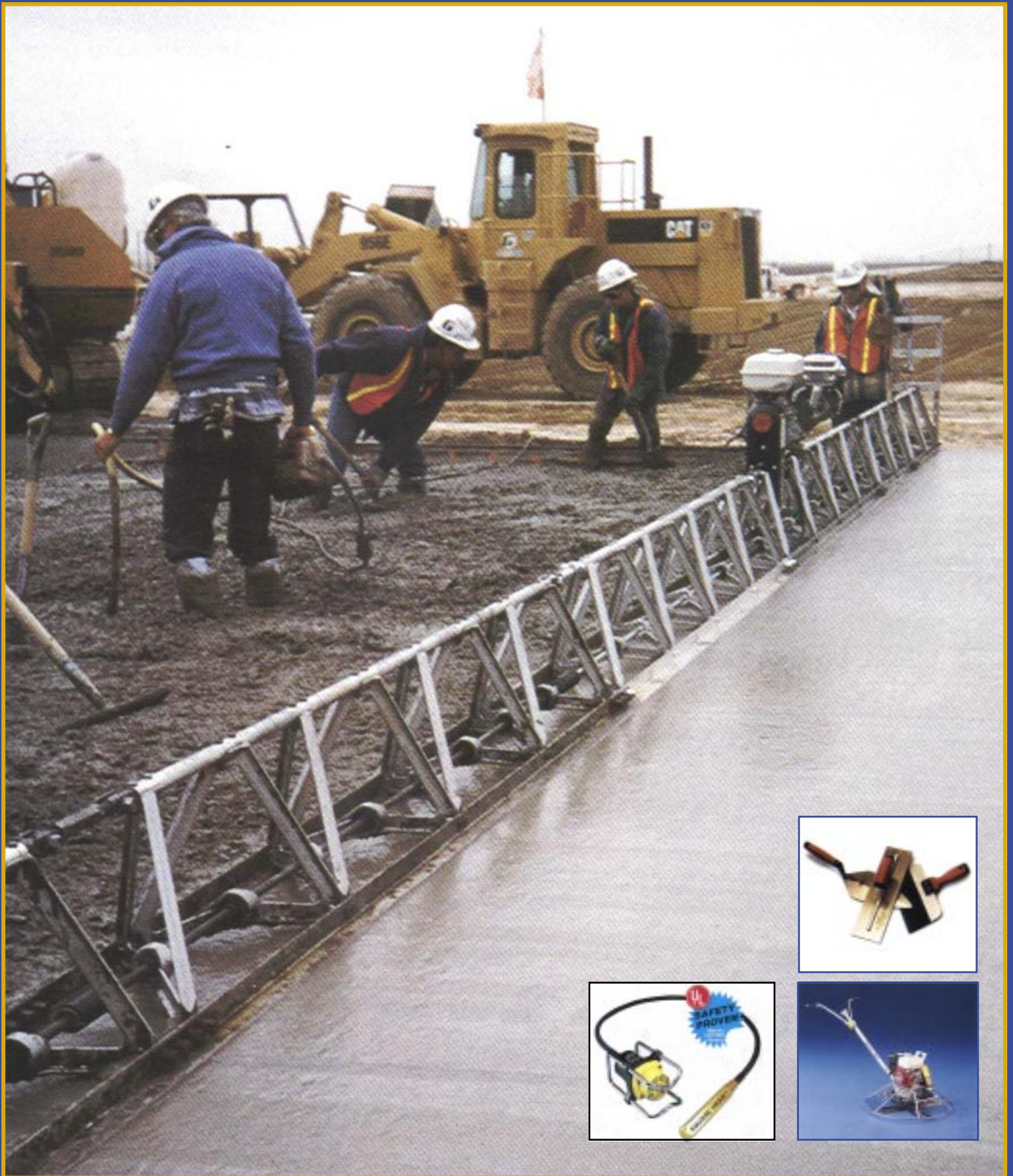


American Tools & Machinery

CONSTRUCTION E-CATALOG 2002



www.atools.com.sg



COMPANY PROFILE

American Tools & Machinery (ATM) is a Singapore registered company that specializes in light construction equipment, hand tools and related products. We serve a diverse clientele in various industries such as in construction and marine.

ATM represents more than 10,000 products from renowned manufacturers in the USA and Europe. We are a full service supplier maintaining well-stocked warehouses (bonded and non-bonded) in Singapore for quick delivery of machinery, equipment and parts. From installation to maintenance, our staff is well equipped to provide expert advice, consultancy services and hands-on training.

Reaching out to Asia

ATM is headquartered in Singapore, supported by agents/dealers located in South East Asia.

In Partnership

We are the master distributor in Asia for

- **Marshalltown Trowel Company (USA)**
- **C. W. Tools (USA)**

These companies are well known in the construction field for making a wide range of Trowels, high quality Concrete Hand Tools, Bull Floats, Edgers, Groovers, Drywall & Plastering Hand Tools and many other fine tools.

ATM also supplies light construction equipment from:

- **MBW Inc (USA)**
- **Wyco Tool Company (USA) and**
- **OLI Srl (Italy)**

They manufacture a range of Concrete Vibration systems (i.e. square head and round head pockers) and Concrete screeds, Ground pounders, Power Trowels, Plate Compactors, Curb and Gutter machines, to name a few.

Our Customers

We supply the industries a selective range of high quality products that are best suited to meet their needs, both at the dealer wholesale level as well as the end user at the retail end. However if a contact is made within a given region covered by our dealership agreement, then all contacts are forward to the respective dealer. This is the key to our ability to offer a high level of service to our customers at all times.

Through the years we have supplied our products to major construction projects in and around Asia some are listed below:

Singapore

Two PSA Container port facilities
The SRC Oil refinery project
Construction of the new US Embassy
Suntec City Building projects
New Causeway between Singapore and Malaysia

Hong Kong

Tsing Yi Bridge (Hong Kong Airport)

Vietnam

Heineken-Tiger-Vietnam Brewery
Highway 1 project Saigon to Vung tau

Indonesia

Siemens Electric Factory extension
New Airport - Jakarta Highway project

Philippines

Cebu Industrial Trade Free Zone extension

We pride ourselves in recommending and providing the most reliable solutions for all projects and applications, and trust that we may be of service to your organisation in the very near future.

American Tools & Machinery

61-A Choa Chu Kang Road Nicon Gardens Singapore 689389

Telephone: (65) 6 221 8738 ext. 018 Fax: (65) 6 767 8562 Email: mjr@pacific.net.sg URL: www.atools.com.sg

ATM is actively seeking dealers/agents to market our fine selection of quality machinery and tools in existing and new territories in South East Asia. Interested parties, please contact Mr Mike Roberts.



Construction Systems and Equipment

Blitzscreed 4-2
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Concrete Vibration Finishing Screed 4-3
Vibratory Plates 4-4
Rammers 4-4
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Converters and Generators**
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Electric Motor Connection - VD** 4-9
**High Frequency Vibrator with Electronic
Converter - WK-Type** 4-11

BLITZSCREED®

State-of-the-art vibrating concrete screed

Faster assembly

Faster grade control

Faster clean-up and lightweight

Higher production

Higher versatility



Here is the first lightweight (from 7.5 lbs/ft) portable, vibrating concrete screed that can be easily expanded or shortened, that does not require a special engine section and allows choice of engine location throughout screed.

Low slump concrete can be finished flat, crowned either parabolic, rooftop or inverted. Now you can forget about jitterbugging on most jobs, increase your productivity and surface accuracy at the same time.

Precision machining is by computerized numerical controlled machining centers, combined with all bolted construction, are the key



Exclusive A-Frame design. Unique cast aluminum design provides maximum structural strength to handle axial, shear and torsional stresses. No welding to assure constant true alignment. Minimizes number of structural components, fasteners and hardware common in conventional designs.



Engine Location is Your Choice. 5 hp engine can be mounted at either end or the middle of any section (known as between). No special engine sections are required. Centrifugal clutch permits idling without stopping engine, prevents over-vibrating, adjusts automatically to belt stretch.



Exclusive Quick Coupling System. Flexible shaft couplers simplify section assembly, eliminate disfigurement of shaft ends, and allows assembly on uneven terrain. Double-armed turnbuckles provide precision grade control with true alignment of shaft threads.



Build Your Own Length. Sections come in 8'4", 4'4", and 2'4" lengths. One man can mix and match sections to fit screw to your job needs. Field tested to meet top finish tolerances of 1/8" in 10 linear ft. at lengths to 60'.



Fast Cleanup, Protected Threads. All components are smooth. Steel parts are plated. Cast aluminum components are coated with a tough, protective finish to speed cleanup. Large closed head nut protect stud assemblies from concrete buildup and eliminate thread disfigurement.



Exclusive Rigid/Flex Offset Eccentric Shaft. 1 1/2" offset shaft is offset yet rigidly fixed in bearing collars. Ample centrifugal force produces uniform vibration along full screw length and eliminates hammering action within bearing races. 2000 to 3600 RPMs engine driven. 5000 to 8000 VPMs achieved.

factors for ease and speed of assembly ...
and for true alignment job after job.

**F241 4 Finishing Trowel****Constant Force Pitch**

Walk-Behind Power Trowel

Walk-Behind Power Trowels are the lowest maintenance and longest lived power trowels available today. These rugged machines now feature safety rings to protect an operator's hands or feet from blade contact during operation. The safety rings are in addition to MBW trowels' standard guard rings that also increase safety as well as provide concentricity for maximum productivity and even finishes.

Other features include an over-built gear box with ground journal bearings, one piece worm shaft, and heavy duty hub and flange; a handle six inches longer than most competitors for greater leverage; and the industry's strongest spider assembly with teflon-lined, steel arm bore inserts that will not pound out. The blade arms are milled for precise blade alignment to eliminate wobbling and enable consistent finishes.

Concrete Vibration Finishing Screed



- Smooth, fast finishing
- Fewer sections, all bolted and interchangeable, provide easy assembly
- Made of lightweight yet durable aluminum approximately 8 pounds per linear foot
- Sections in 8 ft. 4 in., 4 ft. 4 in. and 2 ft. 4 in.
- (2 m 119 cm, 1 m 119 cm, .6 m 119 cm).
- Gas and air powered units

Blitzscreed® offers a lightweight, all bolted construction for speed of assembly and true alignment. The exclusive quick coupling system makes section assembly fast and easy. The unique cast aluminum A-frame design provides maximum structural strength. A double-jointed turnbuckle allows surfaces to be finished flat, crowned either parabolic, rooftop or inverted. Vibration is provided through an offset yet rigidly fixed bearing system that insures vibration along the full screed length and eliminates hammering action



Power Winches enhance safe operation with a top mounted engagement lever for instant activation and deactivation. Travel speed is easily adjusted through a simple valve control. The units also have an adjustable auto-stop valve that disengages the winches in case of an obstruction. Each end operates independently for maximum maneuverability around columns and other obstacles



VIBRATORY PLATES

AP2000 Vibratory Plate Series is ideal for asphalt compaction, with a perfectly balanced mass, centrifugal force and amplitude. Features include replaceable, contoured wear edges for a scar-free finish and a gravity feed water system. The versatile AP2000 also has the lowest maintenance costs of any asphalt plate on the market today

The **GP3000 Series** of vibratory plates is an all purpose middle weight compactor that effectively handles granular and mixed soils to 18 in. (47 cm). With its optional gravity feed water system, this versatile machine also is an outstanding asphalt compactor. With many 20 year old GP3000s still performing, this series deserves its unmatched reputation for long term performance and low maintenance



RAMMER

The **R270 Rammer** is the most reliable, cost efficient percussion tool in the industry. Able to produce a compaction force of 3,400 lbs./blow (16.8 kN/b) at 600 to 650 blows/minute, the R270 also is designed with exacting balance for operator comfort and superior performance. Yet this hardworking performer weighs only 142 lbs.(64 kg). Versatile, durable – this is the all around workhorse of percussion rammers.

SOIL PICK

- Safe, sure excavation of underground utilities
- Compressed air fractures soil, leaves non-porous materials intact
- Effective in most soil types, even hard-to-dig ground
- Little, if any, ongoing ownership costs

Soil Pick can eliminate excavation damage to underground utilities. This pneumatic excavator uses your air compressor for pipe locating, trenching or hole digging. The Soil Pick injects a supersonic, compressed airstream into porous soil, creating fissures, cracks and cavities. The airstream loosens porous soil, but has no effect on non-porous buried utilities. Weighing only 6.5 lbs. (62.95 kg), this effective but lightweight tool can be used for long time periods with minimal operator fatigue. It has a dielectric non-sparking barrel assembly with 40,000 volt minimum for safe use in a potentially hazardous environment.

Soil Pick means safe, sure, selective excavation around gas and electric lines.



SOIL COMPACTION METERS

Soil Compaction Instrumentation enables quality control of compaction results at a low cost and on a real-time basis. Unlike other devices, our Soil Compaction Instrumentation requires no licensing and no special training.



Soil Compaction Meter monitors the compaction progress and signals when compaction is optimized. Our new **Soil Compaction Supervisor** features download capabilities for a fast, easy transfer of compaction data into your computer system as a permanent file. In both models, the hand-held, battery-powered meter uses a flashing light readout to indicate the level of soil compaction.

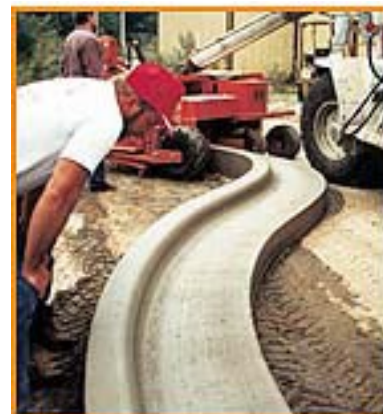


The meter's soil density readings are supplied by a disposable piezoelectric sensor placed at the bottom of an excavation before filling. As compaction begins, the sensor transmits voltage to the hand-held meter based on the pressure wave amplitude of the compaction process. Once the meter registers a predetermined soil density, the meter flashes a stop light. Monitoring compaction progress and having verified results can save you time and increase your profits.



SLIPFORM PAVERS FROM USA

Slipform Paver is the concrete form machine that creates small curbs and gutters at half the cost of large units. On dirt or pavement, straight runs or tight radii, flat or inclines, even drop pours, the Slipform Paver gets the job done on schedule. This cost-effective machine is computer-controlled, enabling a one man operation. The Slipform Paver provides lower costs for hauling, set-up, changing molds, clean-up and maintenance. Molds can be manufactured to your specifications. Stringline and stake kits available. Optional hoppers in sizes 36 in. (91 cm) and 48 in. (122 cm).



CURB AND GUTTER



VALLEY RIBBON - Valley ribbon is easily slipformed within 18" high x 48" wide parameter.





OLI®



ELECTRONIC CONVERTER
ELEKTRONISCHER UMFORMER
CONVERTISSEUR ELECTRONIQUE
CONVERTITORE ELETTRONICO

CMS2 - Type



The new electronic converter CMS 2, light, noiseless, powerful (2 kVA), electrically stabilized, is used in order to supply high frequency VAF vibrators, PF 45 hammers and all 42V-200 Hz tools. Converter CMS 2 has been designed and built in compliance with CE regulations in force.

Der neue elektronische Umformer CMS 2 - leicht, leise, leistungsstark (2 kVA) und elektrisch stabilisiert, ist geeignet für H.F. Innenrüttler VAF, H.F. Innenrüttler VAF, H.F. Hammer PF 45 und alle weiteren 42V 200 Hz Geräte. Der CMS 2-Umformer entspricht den CE-Richtlinien.

Le nouveau convertisseur électronique CMS 2, léger, silencieux, puissant (2 kVA) et électriquement stable, est utilisé pour alimenter les vibrateurs à haute fréquence VAF, les marteaux PF 45 et tous les autre outils à 42V 200Hz. Le convertisseur CMS 2 a été étudié et construit conforme aux normes CE en vigueur.

Il nuovo convertitore elettronico CMS 2, leggero, silenzioso, potente (2KVA), elettricamente stabilizzato, è utilizzato per alimentare vibratori ad alta frequenza VAF, martelli PF 45 e tutti gli utensili a 42V 200Hz. Il convertitore CMS 2 è progettato e costruito in conformità con le vigenti direttive CE.

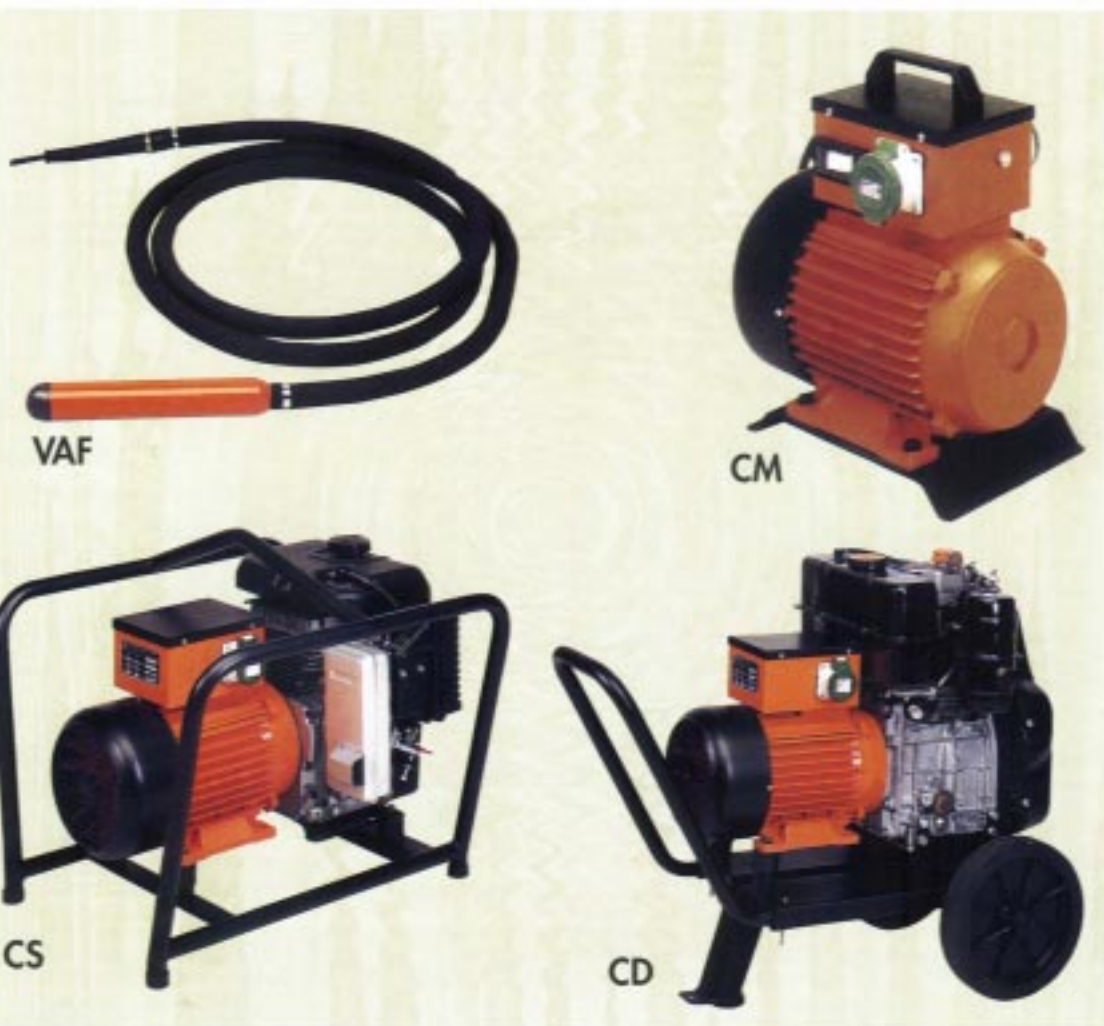


OLI®



HIGH FREQUENCY IMMERSION VIBRATORS, CONVERTERS AND GENERATORS
 HOCHFREQUENZINNENRÜTTLER, UMFORMER UND AGGREGATE
 VIBRATEURS A IMMERSION - HAUTE FREQUENCE, CONVERTISSEURS ET GENERATEURS
 VIBRATORI ALTA FREQUENZA, CONVERTITORI E GENERATORI

VAF CM CS-CD





EXTERNAL HYDRAULIC VIBRATORS
HYDRAULIK - AUSSENRÜTTLER
VIBRATEURS EXTERNES HYDRAULIQUES
MOTOVIBRATORI IDRODINAMICI



ELECTRIC EXTERNAL MOTOR VIBRATORS
ELEKTRISCHE VIBRATIONSMOTOREN
MOTOVIBRATEURS EXTERNES ELECTRIQUES
MOTOVIBRATORI ELETTRICI



PNEUMATIC VIBRATORS WITH SPHERES, ROLLERS, TURBINE, WITH FLOATING UNIDIRECTIONAL PISTON
DRUCKLUFT-AUSSENRÜTTLER MIT KUGEL, ROLLEN, SCHWIMMKOLBEN EINSEITIG GERICHTET
VIBRATEURS PNEUMATIQUES A BILLE, A ROULEAU, A TURBINE, A PISTON FLOTTANT UNIDIRECTIONNEL
VIBRATORI PNEUMATICI A SFERA, A RULLO, A TURBINA, A PISTONE FLOTTANTE, UNIDIREZIONALE



FLEXIBLE SHAFT IMMERSION VIBRATORS WITH DIRECT ELECTRIC MOTOR CONNECTION
BIEGEWELLENIMMERSIONRÜTTLER MIT E-MOTOR, DIREKTANSCHLUSS
GROUPE MOTEUR ELECTRIQUE BRANCHE DIRECTEMENT SUR LE VIBRATEUR
GRUPPI VIBRANTI MECCANICI CON ATTACCO DIRETTO



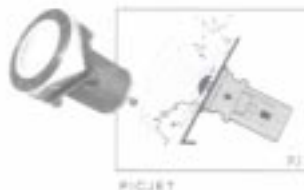
ELECTRIC CONVERTERS WITH MAGNETS - GENERATORS WITH DIESEL AND PETROL ENGINES-ELECTRONIC CONVERTERS
UMFORMER MIT MAGNETEN - GENERATOREN MIT DIESEL- UND BENZINMOTOR-ELEKTRONISCHE UMFORMER
CONVERTISSEURS A MAGNETES - GENERATEURS DIESEL ET A ESSENCE - CONVERTISSEURS
CONVERTITORI ELETTRICI A MAGNETI - GENERATORI DIESEL E BENZINA - CONVERTITORI ELETTRONICI



ELECTRIC, MECHANICAL, PNEUMATIC, HYDRAULIC IMMERSION VIBRATORS FROM Ø 18 MM TO Ø 150 MM
ELEKTRO - MECHANIK - DRUCKLUFT - HYDRAULIKIMMERSIONRÜTTLER VON Ø 18 MM BIS Ø 150 MM
VIBRATEURS A IMMERSION DE Ø 18 MM A Ø 150 MM
ELECTRIQUES, AVEC TRANSMISSION, HYDRAULIQUES, PNEUMATIQUES
VIBRATORI AD IMMERSION (DA Ø 18 MM A Ø 150 MM)
ELETTRICI, MECCANICI, PNEUMATICI, IDRODINAMICI



MARTSHOCK



PICJET



GUNJET

CAT. 04500

PERCUSSION FLOW AIDS
KLOPF - AUSTRAGHILFEN
SYSTEMES DE DESCENTE A PERCUSSION
SISTEMI DI DISCESA A PERCUSSIONE



I100

FLUIDISATION PADS
LUFTAUFLÖCKERUNGSSIEBEN
PLAQUES DE FLUIDIFICATION
PIASTRE DI FLUIDIFICAZIONE

U025

FLUIDISATION NOZZLES
LUFTAUFLÖCKERUNGSSDÜSEN
BUSES DE FLUIDIFICATION
UGELLI DI FLUIDIFICAZIONE



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FLEXIBLE SHAFT IMMERSION VIBRATORS WITH DIRECT ELECTRIC MOTOR CONNECTION
 BIEGEWELLENINNENRÜTTLER MIT E-MOTOR-DIREKT ANSCHLUSS
 GROUPE MOTEUR ÉLECTRIQUE BRANCHÉ DIRECTEMENT SUR LE VIBRATEUR
 GRUPPI VIBRANTI MECCANICI CON ATTACCO DIRETTO

VD



Electronic R.P.M. Control
 Elektronische Drehzahlüberwachung
 Régulation électronique des tours
 Regolazione elettronica dei giri
 Ø 18-25-35-45-55 mm

VD



TYPE - TYP - TYPE - TIPO		VD 18	VD 25	VD 35	VD 45	VD 55
Needle Ø - Flaschen Ø Ø-aiguille - Ø Ago	mm	18	25	35	45	55
Needle length - Flaschenlänge Longueur aiguille - Lunghezza ago	mm	250	290	270	240	280
Vibrations - Schwingungen N° Vibrations - N° vibrazioni	1	15.000	12.000	12.000	12.000	12.000
Amplitude - Schwingungsweite Amplitude - Ampiezza	mm	0,6	0,65	1,3	1,8	1,9
Compacting power - Verdichtungsleistung Pouvoir de compacté - Capacità di compattare	m ³ /h	4	6,25	9	18,5	25
Action Ø - Wirkungs Ø Ø Action - Ø Azione	cm	35	65	85	85	95
Centrifugal force - Schleuderkraft Intensité de vibration - Forza centrifuga	kg kN	50 0,5	80 0,8	170 1,7	280 2,8	450 4,5
Needle weight - Flaschengewicht Poids aiguille - Peso ago	kg	0,7	0,8	1,5	2	3,8
Shaft length - Biegewellenlänge Longueur transmission - Lunghezza trasmissione	m	1+2+3+4	1+2+3+4	1+2+3+4	1+2+3+4	1+2+3+4
Shaft length - Biegewellengewicht Poids transmission - Peso trasmissione	kg	1+2	1+3	2,5+7	2,5+7	2,5+7

SINGLEPHASE - EINPHASIG MONOPHASE - MONOFASE	M2300D
Input tension - Versorgungsspannung u. Antrieb Tension d'alimentation - Tensione alimentazione	V 220 - 230 Hz 50 - 60
Power - Leistung Puissance - Potenza	Hp 3 W 2300
RPM - U/min Tr./min - Giri al minuto	12.000
Insulation class - Isolierung Insulation - Classe isolamento	IP 54
Total weight - Gesamtgewicht Total poids - Peso totale	kg 6

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OLI®



WAMGROUP

H.F. VIBRATOR WITH ELECTRONIC CONVERTER
 ELEKTRO-INNENVIBRATOR MIT INTEGRIERTEM UMRICHTER
 VIBRATEUR A.F. AVEC CONVERTISSEUR ELECTRONIQUE
 VIBRATORE A.F. CON CONVERTITORE ELETTRONICO

WK - Type



• Low weight
 • 230 V A.C.

• *Geringes Eigengewicht*
 • 230 V WS

• Poids bas
 • 230 V CA

• *Peso basso*
 • 230 V CA

The use of the WK High-Frequency Converter makes traditional, bulky and heavy converters superfluous. The direct connection to the mains insures easy, comfortable use of the equipment that is in compliance with CE-regulations in force.

Mit dem WK-Innenrüttler ist der Einsatz der traditionellen, sperrigen, schweren und unpraktischen Umformer nicht mehr notwendig. Der Direktanschluß an das Stromnetz garantiert den einfachen und bequemen Gebrauch des Innenrüttlers. Der WK Innenrüttler entspricht den CE-Richtlinien

Avec le vibreur WK il n'est plus nécessaire d'utiliser les convertisseurs de fréquence traditionnels, encombrants, lourds et peu pratiques. Le branchement direct au réseau électrique assure simplicité et praticité d'utilisation du vibreur. Le vibreur WK a été étudié et construit conforme aux normes CE en vigueur.

Con il vibratore WK non è più necessario utilizzare i convertitori di frequenza tradizionali, ingombranti, pesanti e poco pratici. L'allacciamento diretto alla rete di corrente assicura semplicità e praticità nell'utilizzo del vibratore. Il vibratore WK è stato progettato e costruito in conformità alle attuali direttive CE.

TECHNICAL DATA - TECHNISCHE DATEN DONNEES TECHNIQUES - DATI TECNICI

TYPE		WK36T	WK50T	WK60T
Needle Ø - Flaschen-Ø Ø aiguille - Ø ago	mm	36	50	60
Needle length - Flaschenlänge Longueur aiguille - Lunghezza ago	mm	350	360	365
Vibrations - Schwingungen Vibrations - N° vibrazioni	1'	12,000	12,000	12,000
Amplitude - Schwingweite Amplitude - Ampiezza	mm	1.2	1.6	1.8
Compacting power - Verdichtungsleistung Pouvoir de compacité - Capacità di compattazione	m³/h	6 + 8	9 + 12	20 + 25
Action Ø - Wirkungs-Ø Ø d'action - Ø azione	cm	60	70	90
Centrifugal force - Zentrifugalkraft Force centrifuge - Forza centrifuga	kg kN	95	280	450
Input - Spannung Tension d'alimentation - Tensione in entrata	220 - 230V/50 Hz/ 6 A/ 1,4 Kva			
3ph output tension - 3phasige Ausgabespannung 3ph tension debite - Tensione trifase erogata	250V 200 Hz			
Tension and power - Spannung und Leistung Tension et puissance - Tensione e potenza	A - kW	1 - 0.35	1.46 - 0.47	2.18 - 0.7
Total weight - Gesamtgewicht Poids total - Peso totale	kg	9	13	16

STANDARD OUTFIT:
5 m rubber hose, switch set into the electronic converter, 10 m cable, plug and instruction manual.

STANDARD AUSRÜSTUNG:
5 m Schlauch, elektronischer Umformer mit Schalter, 10 m Kabel, Stecker und Bedienungsanleitung.

DOTATION DE SERIE: 5 m de tube de manoeuvre, interrupteur incorporé dans le convertisseur électronique, 10 m de câble, fiche et manuel d'instructions.

VERSIONE STANDARD:
5 mt tubo manovra, interruttore elettronico con interruttore incorporato, 10 mt cavo, spina e manuale istruzioni.

OPTION:
Vulcanized cap

EXTRAS:
Vulkanisierte Kappe

EN OPTION:
Pointe vulcanisée

OPTIONALS:
Puntale vulcanizzato

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