Powerful, rigid, high performance machine with easy setup and handling.

Quick and Easy Setup

- Quickly change between electric and pneumatic by simply loosening a single clamping bolt.
- The adhesive on the media discs is specifically formulated to provide a firm hold while in use, but are easy to remove after use.

Rigio

 Thicker Plant Wheels and webbed design provides increased rigidity, allowing consistent flatness regardless of grinding pressure.

Versatile

- Using an odd number of Planet Arms ensures constant contact between all five arms and the seat, which allows you to grind perfectly flat seats.
- Planet Arm bearings are sealed, preloaded and preset to be within .000079 inches (.002mm) of each other on a flat plane.
- When changing the grinding head, the bearings don't need to be adjusted.
- All grinders come with a complete set of diameters and grit of abrasives; 800-1200 pieces included.



447-3377
oficina@vendo.com.pe





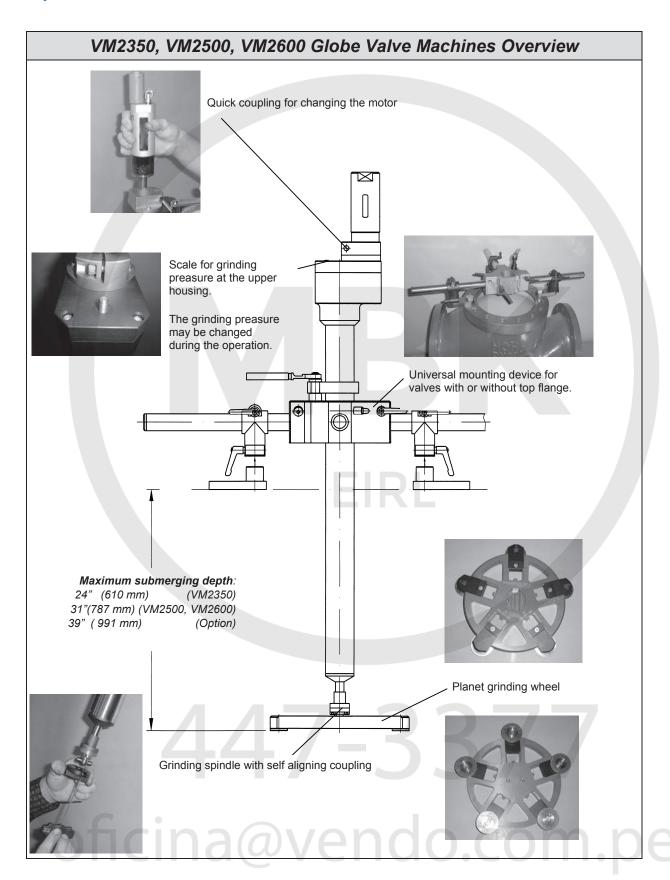
		US	Metric
Operating Ranges:			
Working range (nominal	diameter)		
	Minimum Maximum (VM2350) Maximum (VM2500) Maximum (VM2600)	3 inches 14 inches 20 inches 24 inches	80 mm 350 mm 500 mm 600 mm
Submerging Depth	Maximum (VM2350) Maximum (VM2500,2600) Optional	24 inches 31 inches 38 inches	600 mm 800 mm 1000 mm
Power	Electric Pneumatic	1.3 Hp 0.7 Hp	1.0 kW 0.55 kW
Variable spindle speed	Electric Pneumatic	30 - 550 rev/min 30 - 400 rev/min	30 - 550 rev/min 30 - 4000 rev/min
Spindle Torque	Permanent Max	19 ft-lbs 80 ft-lbs	26 N•m 108N•m
Weight VM2350			
Basic machine without	tooling	29 lbs.	13 kg
Machine Case		77 lbs	35 kg
Accessory Case		42 lbs	19 kg
VM2500			
Basic machine without tooling		31 lbs	14 kg
Machine Case		80 lbs	39 kg
Accessory Case		71 lbs	36 kg
VM2600	p.	04.11	441
Basic machine without t Machine Case	cooling	31 lbs 80 lbs.	14 kg 39 kg
Accessory Case		71 lbs	36 kg
7.0000001 y Oddo		7 1 100	oo kg

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All dimensions should be considered reference. Contact your Climax Representative for precision dimensions. Specifications are subject to change without notice. There are no systems or components on this machine that are capable of producing hazardous EMC, UV or other radiation hazards. The machine does not use lasers nor does it create hazardous materials such as gasses or dust.



MACHINE OVERVIEW



TOOL CONFIGURATIONS

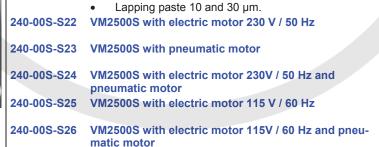
Model VM	2350 (Seat	Diameter Range: 3"-14"(80 mm-350 mm))	
	P/N	Description	
		 1 set of tooling. Carrying cases with foam inlet for the machine and the accessories. 	
	240-00S-S12	VM2350S with electric motor 230 V / 50 Hz	
10.5	240-00S-S13	VM2350S with pneumatic motor	
	240-00S-S14	VM2350S with electric motor 230V / 50 Hz and pneumatic motor	
L eonard Control of the Control of	240-00S-S15	VM2350S with electric motor 115 V / 60 Hz	
	240-00S-S16	VM2350S with electric motor 115V / 60 Hz and pneumatic motor Globe valve grinding and lapping machine VM2350 Machine like VM2350S but with the following additional	
		 lapping equipment: 2 sets (5 discs/set) of lapping disks 1.2" (30 mm) and 2.0" (50 mm). 	
acim - min	240-00S-S02	Lapping paste 10 and 30 µm. VM2350 with electric motor 230 V / 50 Hz	
	240-00S-S03	VM2350 with pneumatic motor	
	240-00S-S04	VM2350 with electric motor 230V / 50 Hz and pneumatic motor	
	240-00S-S05	VM2350 with electric motor 115 V / 60 Hz	
	240-00S-S06	VM2350 with electric motor 115V / 60 Hz and pneumatic motor	
E	anana.		
I Milbironsia	Militropaste 1		

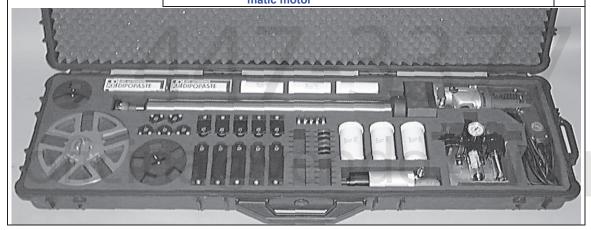
Pneumatically driven machines also require the accessory pneumatic motor maintenance kit

TOOL CONFIGURATIONS

Model VM2500 (Seat Diameter Range: 3"-20"(80 mm-500 mm)) P/N Description Globe Valve Grinder VM2500S Nominal working dia 3" to 20" (80 mm to 500 mm) Submerging depth 31"(800 mm). Included Components: 3 sets of planet arms (5 arms/set) 1.2"(30 mm), 2.4"(60 mm), 4.5"(115 mm) in length. Set of 4 planet wheels 3.9" (100 mm), 5.3" (135 mm), 8.7" (220 mm), 15.0" (380 mm) in diameter 2 sets (5 discs/set) of grinding discs 2.0" (50 mm) and 3.2" (80 mm) in diameter. Integrated grinding preasure detection with a scale at the upper machine housing. 1 set of clamping equipment for mounting the machine on valves with and without top flange. Start up set of abrasives grain 100 and 500. 1 set (5 discs/set) of CBN grinding disks 2.0" (50 mm) in diameter. 1 set of tooling Carrying cases with foam inlet for the machine and the accessories. 240-00S-S32 VM2500S with electric motor 230 V / 50 Hz 240-00S-S33 VM2500S with pneumatic motor 240-00S-S34 VM2500S with electric motor 230V / 50 Hz and pneumatic motor 240-00S-S35 VM2500S with electric motor 115 V / 60 Hz 240-00S-S36 VM2500S with electric motor 115V / 60 Hz and pneumatic motor Globe valve grinding and lapping machine VM2500 Machine like VM2500S but with the following additional lapping equipment: 3 sets (5 discs/set) of lapping disks 1.2" (30 mm), 2.0" (50 mm), and 3.2" (80 mm) in diameter







Pneumatically driven machines also require the accessory pneumatic motor maintenance kit

TOOL CONFIGURATIONS

Model VM	12600 (Seat	Diameter Range: 3"-24"(80 mm-600 mm))	
	P/N	Description Description	
		Globe Valve Grinder VM2600S	
		Nominal working dia 3" to 24" (80 mm to 600 mm)	
		Submerging depth 31"(800 mm).	
-		Included Components:	
		 4 sets of planet arms (5 arms/set) 1.2"(30 mm), 2.4"(60 mm), 4.5"(115 mm), 7.5" (190 mm) in length. 	
		 Set of 4 planet wheels 3.9" (100 mm), 5.3" (135 mm), 8.7" (220 mm), 15.0" (380 mm) in diameter. 	
		 Integrated grinding preasure detection with a scale at the upper machine housing. 	
		 1 set of clamping equipment for mounting the machine on valves with and without top flange. 	
		Start up set of abrasives grain 100 and 500.	
		1 set (5 discs/set) of CBN grinding disks 2.0" (50 mm) in diameter	
		1 set of tooling.	
		 Carrying cases with foam inlet for the machine and the accessories. 	
	240-00S-S52	VM2600S with electric motor 230 V / 50 Hz	
	240-00S-S53	VM2600S with pneumatic motor	
	240-00S-S54	VM2600S with electric motor 230V / 50 Hz and	
Washington Charles and Control of	240 000 004	pneumatic motor	
Management of the state of the	240-00S-S55	VM2600S with electric motor 115 V / 60 Hz	
	240-00S-S56	VM2600S with electric motor 115V / 60 Hz and	
A PART		pneumatic motor	
		Olahar alamata da	
MATERIA SERVICE		Globe valve grinding and lapping machine VM2500 Machine like VM2600S but with the following additional	
		lapping equipment:	
		3 sets (5 discs/set) of lapping disks 1.2" (30 mm), 2.0"	
		(50 mm), and 3.2" (80 mm) in diameter	
		 Lapping paste 10 and 30 μm. 	
	240-00S-S42	VM2600S with electric motor 230 V / 50 Hz	
	240-00S-S43	VM2600S with pneumatic motor	
7 3	240-00S-S44	VM2600S with electric motor 230V / 50 Hz and	
11		pneumatic motor	
	240-00S-S45	VM2600S with electric motor 115 V / 60 Hz	
	240-00S-S46	VM2600S with electric motor 115V / 60 Hz and pneumatic motor	
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Pneumatically driven machines also require the accessory pneumatic motor maintenance kit



	Accessories	
P/N	Description	
240-13K-001	Maintenance unit for pneumatic motor Required for machines with pneumatic motor. The maintenance unit is not included in the standard scope of supply with pneumatic driven machines. Includes: • filter • oiler • pressure gauge • speed controller	
240-66S-N01	Extension Kit 20" (500 mm) for grinding To extend the working range of the VM2350(S) to 20" (500 mm). 1 planet wheel 15.0" (380 mm) diameter. 1 set (5) grinding discs 3.2" (80 mm) diameter. 1 start up set self-adhesive abrasive discs 3.2" (80 mm) diameter, grain 100 and 500.	
240-67S-N01	Extension Kit 20" (500 mm) for grinding and lapping To extend the working range of the VM2350 to 20" (500 mm). 1 planet wheel 15.0" (380 mm) diameter. 1 set (5) grinding discs 3.2" (80 mm) diameter. 1 set (5) lapping discs 3.2" (80 mm) diameter 1 start up set self-adhesive abrasive discs 3.2" (80 mm) diameter, grain 100 and 500.	
110-24S-N01	Planet arm to extend seat range from 20" (500 mm) to 24" (600 mm) Each (A total of 5 are required) A planet arm (7.5" (190 mm)), that extents the grinding range of the 15" (380 mm) diameter planet wheel up to 24" (600 mm).	
	Extension of submerging depth Allows you to extend the submerging depth without changing the maximum grinding diameter (Must be ordered with the machine. Can not be ordered after delivery of the machine. e.g 240-00S-S05-M01)	
-M01	Extension of submerging depth from 24" to 31" (600 mm to 800 mm) (only VM2350(S)) Extension of the machine arm. Adaption of the machine case.	
-M02	Extension of submerging depth from 24" to 39" (600 mm to 1000 mm) (only VM2350(S)) Extension of the machine arm. Adaption of the machine case.	7
-M03	Extension of submerging depth from 31" to 39" (800 mm to 1000 mm) (only VM2500(S) or VM2600(S)) Extension of the machine arm.	



		Accessories
	P/N	Description
		 3-jaw centering chuck Clamping dia 80mm 430 mm Delivery in a high quality plastic case
	300-10S-N01	3-jaw centering chuck (additional to the machine)
	-M10	3-jaw centering chuck <i>instead</i> of the universal clamping device Extend the P/N by "M10": e.g. 240-00S-S05-M10
	185-00S-S22	Grinding adapter For using the tooling of the VM2000 series machines on stationary drill presses. The grinding preasure is made by an application of springs. The scale for the grinding preasure is divided into two ranges: One for high rate of removal of material and the other for high precision surfaces. Grinding adapter MT2
	185-00S-S23	For using on stationary drill presses with morse taper #2. Grinding adapter MT3 For using on stationary drill presses with morse taper #3.
	110-33S-N01	CBN grinding disks 2" (50 mm) diameter. (each) (A total of 5 required) Required for rough grinding of heavily damaged seats (1 set is included in each component policing)
	110-34S-N01	(1 set is included in each component package). CBN grinding disks 3.2" (80 mm) diameter. (each) (A total of 5 required) Required for rough grinding of heavily damaged seats.
6 0 0 0 0	110-41S-N01	Lapping disks 1.2" (30 mm) diameter (each) (A total of 5 required)
00000	110-42S-N01	Lapping disks 2" (50 mm) diameter (each) (A total of 5 required)
00000	110-43S-N01	Lapping disks 3.2" (80 mm) diameter (each) (A total of 5 required)

Because CLIMAX is committed to product improvement, the machine you receive may be slightly different to the pictures above.

CLIMAX TRAINING AND SUPPORT

CLIMAX has been teaching the fundamentals and fine points of portable machine tool operation for practically as long as we've been inventing and building the tools.

We offer several training facilities across the United States - the Global Learning Center, situated in our corporate headquarters near Portland, Oregon and Houston, Texas Training Facility. All facilities offer training for machine tool operators on safety and machine setup and operation. Trainees also receive technical tips and tools to improve operational efficiencies, with the vast majority of every program devoted to hands-on activities and skill development.

The CLIMAX instructional team includes specialists in shipbuilding, power generation, civil engineering, bridge re-building, petrochemical and other industries.

Whether it's a regularly scheduled course at one of our training facilities,

or custom curriculum conducted at your facility, your machinists will benefit from courses developed by some of the most respected authorities in the business.

Call us today to register for a regularly scheduled class, or talk to us about how we can customize a training program for your specialized application.



Call CLIMAX for:

Rentals

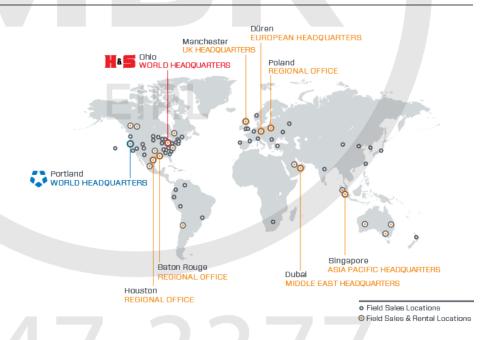
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