905-727-0014 / 888-847-8880

email: practicaltools@bellnet.ca

### VM2350,2500,2600 GLOBE VALVE GRINDING & LAPPING MACHINE

04 2014 VM 2350-2600

# 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.

#### Rigid

• 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.





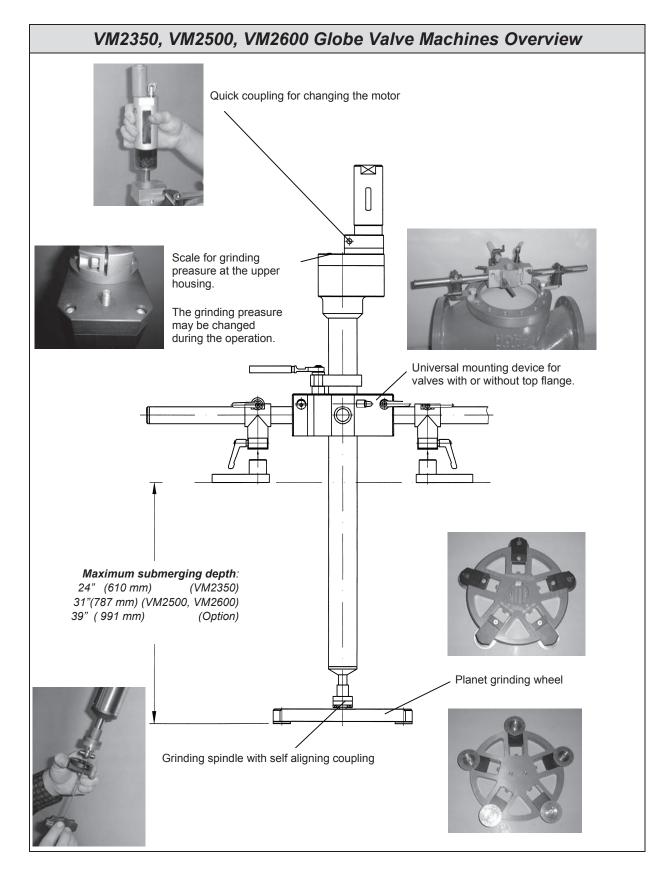


	US	Metric
liameter)		
Minimum Maximum (VM2350) Maximum (VM2500) Maximum (VM2600)	3 inches 14 inches 20 inches 24 inches	80 mm 350 mm 500 mm 600 mm
Maximum (VM2350) Maximum (VM2500,2600) Optional	24 inches 31 inches 38 inches	600 mm 800 mm 1000 mm
Electric Pneumatic	1.3 Нр 0.7 Нр	1.0 kW 0.55 kW
Electric Pneumatic	30 - 550 rev/min 30 - 400 rev/min	30 - 550 rev/min 30 - 4000 rev/min
Permanent Max	19 ft-lbs 80 ft-lbs	26 N•m 108N•m
ooling	29 lbs. 77 lbs 42 lbs	13 kg 35 kg 19 kg
ooling	31 lbs 80 lbs	14 kg 39 kg
	71 lbs	36 kg
ooling	31 lbs 80 lbs.	14 kg 39 kg
	Minimum Maximum (VM2350) Maximum (VM2500) Maximum (VM2600) Maximum (VM2500,2600) Optional Electric Pneumatic Electric Preumatic Permanent Max	tiameter) Minimum 3 inches Maximum (VM2350) 14 inches Maximum (VM2500) 20 inches Maximum (VM2600) 24 inches Maximum (VM2500,2600) 31 inches Optional 38 inches Electric 1.3 Hp Pneumatic 0.7 Hp Electric 30 - 550 rev/min Pneumatic 30 - 400 rev/min Permanent 19 ft-lbs Max 80 ft-lbs ooling 29 lbs. 77 lbs 42 lbs ooling 31 lbs 80 lbs 71 lbs

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.

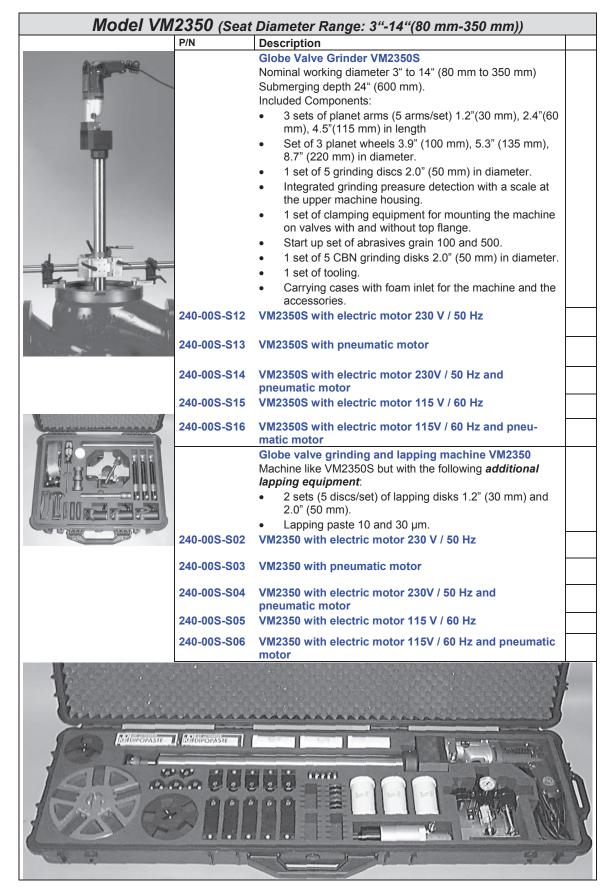
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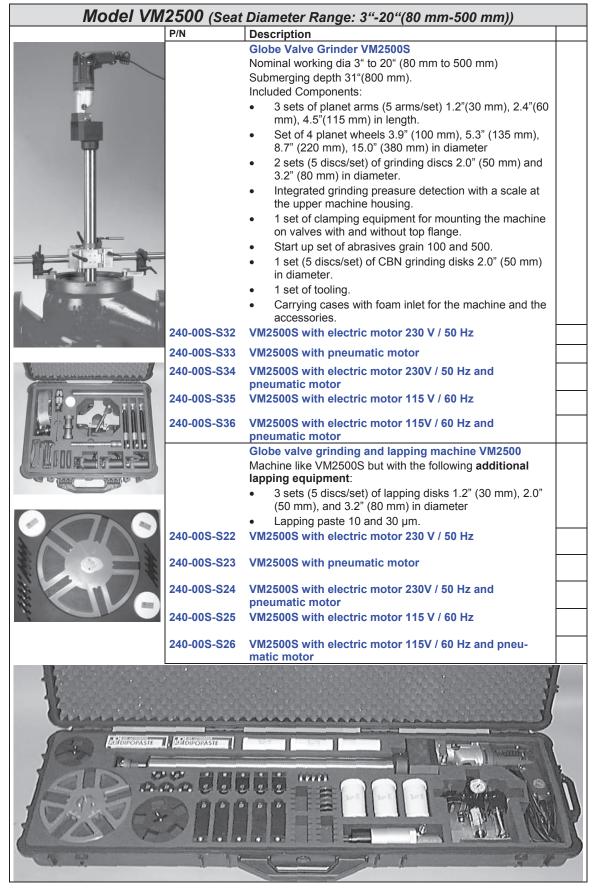
Web site: climaxportable.com

## **CONFIGURATIONS**



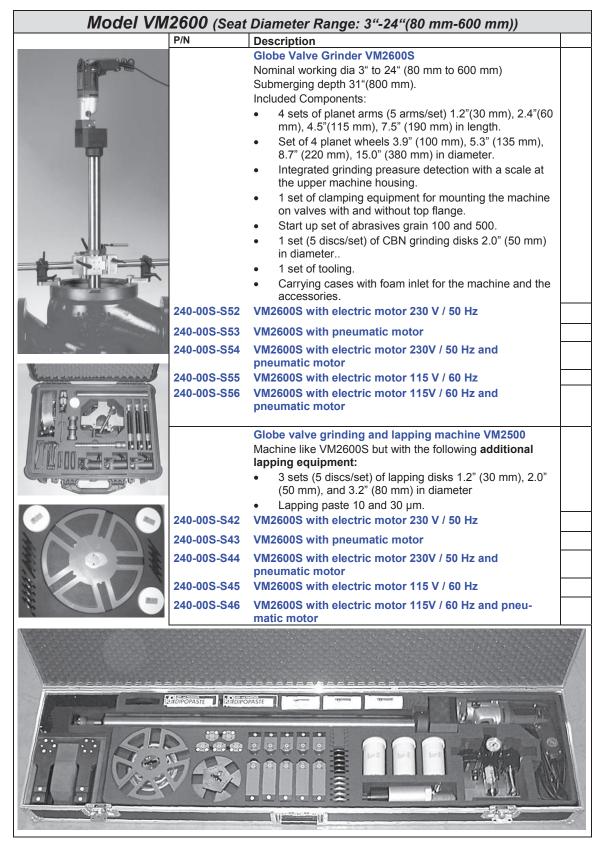
Pneumatically driven machines also require the accessory pneumatic motor maintenance kit

## **TOOL CONFIGURATIONS**



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		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	<ul> <li>Planet arm to extend seat range from 20" (500 mm) to 24" (600 mm) Each</li> <li>(A total of 5 are required)</li> <li>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).</li> </ul>	
		Extension of submerging depth Allows you to extend the submerging depth without chang- ing the maximum grinding diameter ( <i>Must be ordered with the machine. Can not be ordered</i> <i>after delivery of the machine.</i> e.g 240-00S-S05-M01)	
	-M01	<ul> <li>Extension of submerging depth from 24" to 31" (600 mm to 800 mm) (only VM2350(S))</li> <li>Extension of the machine arm.</li> <li>Adaption of the machine case.</li> </ul>	
	-M02	<ul> <li>Extension of submerging depth from 24" to 39" (600 mm to 1000 mm) (only VM2350(S))</li> <li>Extension of the machine arm.</li> <li>Adaption of the machine case.</li> </ul>	
	-M03	<ul> <li>Extension of submerging depth from 31" to 39" (800 mm to 1000 mm) (only VM2500(S) or VM2600(S))</li> <li>Extension of the machine arm.</li> <li>Adaption of the machine case.</li> </ul>	

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		Accessories	
	P/N	Description	
		<ul> <li>3-jaw centering chuck</li> <li>Clamping dia 80mm 430 mm</li> <li>Delivery in a high quality plastic case</li> </ul>	
	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 <b>-M10</b>	
	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	
	105-003-322	For using on stationary drill presses with morse taper #2.	
	185-00S-S23	For using on stationary drill presses with morse taper #3.	
$\bigcirc \odot \odot \odot \odot \bigcirc$	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 package).	
	110-34S-N01	CBN grinding disks 3.2" (80 mm) diameter. (each) (A total of 5 required) Required for rough grinding of heavily damaged seats.	
••••	110-41S-N01	Lapping disks 1.2" (30 mm) diameter (each) (A total of 5 required)	
	110-42S-N01	Lapping disks 2" (50 mm) diameter (each) (A total of 5 required)	
88998	110-43S-N01	Lapping disks 3.2" (80 mm) diameter (each) (A total of 5 required)	
Pagausa CLIMAX is committed to	product improvem	nent, the machine you receive may be slightly different to the pictures a	houro

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

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Web site: climaxportable.com

### **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: Düren EUROPEAN HEADQUARTERS Manchester IEADQUARTI 78 Ohio WOR **Rentals** Poland FADQUARTERS EGIONAL OFFICE With worldwide rental depot locations, you are never far away from a CLIMAX tool. **On-site Training** Need some refresher courses in setting up and operating your CLIMAX machine Portland WORLD HEADQUARTERS tool? **Custom Projects** CLIMAX has been solving complicated machining, welding and valve testing Singapore Baton Rouge problems for our customers since 1966 ASIA PACIFIC HEADQUARTERS REGIONAL OFFICE Dubal MIDDLE EAST HEADQUARTERS Houston REGIONAL OFFICE Field Sales Locations Field Sales & Rental Locations Connect with us: f 😏 in 🖇

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