

**ANNEXURE-Y80500  
FOR FLAT SEAT  
FULL BORE GLOBE & SAFETY Valve  
Grinding and Lapping Machine  
TYPE GHF-Y80500 size 80mm dia to 500mm dia**



**You can do lapping of 2 valves of different size in this range.**

**Operative Range:**

**PORTABLE Globe Valve Grinding & Lapping Machine for the refurbishing on site (In Situ) of:**

- sealing surfaces [body seat ring] in Globe Valves of various makes & size
- flanges

**Design:**

- modern construction, handy, light, and robust
- one-man-operation!
- suitable for on-site service as well as for overhaul in the workshop
- machine, tools, and accessories are corrosion-protected by chrome plated of surface

**Working Range: TYPE GHF Y80500 Size 80mm dia to 500mm dia  
FLUIDCHEM will supply 2 assembly machines**

**No.1** 15mm shafting assembly machine with SUBMURGABLE DEPTH OF 350mm  
With base plate to mount on Globe valve Body bonnet

**No.2** 20mm shafting assembly machine with SUBMURGABLE DEPTH OF 600mm  
With base plate to mount on Globe valve Body bonnet








**These 2 assembly machines will cover Globe Valves FLAT SEAT from 80mm to 500mm**

Electrically Operated Metabo electric Motor BE 1100 Or Equivalent 230V /50Hz-60Hz,  
Speed 250-600 RPM Weight 3.75k  
With Gear Assembly 5.2kg





**Or**

Pneumatically Operated : Ingersoll rand Air Motor or Equivalent  
Air Flow 15cfm  
0.8 HP Free Speed of Air motor 150-240 RPM

**Grinding System: Flat Grinding Plates for Working Range DN 80 – 150 (NB 3” -6”) made up of Stainless Steel**




PLATE SIZE- [ VALVE SEAT RING OUTER DIA SIZE ]	VALVE SEAT RING OPENING (ID) SIZE	QTY.
95mm dia	80mm dia	 1 no.
100mm dia	-	 1 no.
105mm dia	-	 1 no.
120mm dia	100mm dia	 1 no.
145mm dia	125mm dia	 1 no.
165mm dia	150mm dia	 1 no.
180mm dia	150mm dia aluminium plate	 1 no.





**Grinding system: Variable Planetary grinding disks [made up of Solid Aluminium Plates] for working range DN 175–500 (NB 7”-20”), radial adjustable to the required seat Diameter.**

OD of plate	Working Range		Central Grinding Diameter PCD of Rotating Head	Minimum outer dia of planet plates with Rotating Head	Maximum outer dia of planet plates with Rotating Head
	Mini I.D.	Maxi O.D.			
				50mm Dia	50mm Dia
130mm O.D. 	185	265	180	230	235
180mm O.D. 	285	355	230	280	325
230 mm O.D. 	335	460	280	330	430
280 mm O.D. 	385	510	330	380	510

Please note that the Lapping Machine works smoothly and perfectly if the Rotating Grinding Heads Centre is a little smaller [5mm] than the Inner Diameter of Valves Seat Ring.

**Rotating Grinding Heads of SS**

Size	Quantity
25mm diameter	 5 Nos.
35mm diameter	 5 Nos.
50mm diameter	 5 Nos.

Arms Length	Quantity
32mm	3 Nos. 
55mm	5 Nos. 
85mm	5 Nos. 
165mm	5 Nos. 

**Self Adhesive Abrasive Papers:-ALUMINIUM OXIDE upto 220 grit and above 220 grit we will supply Self Adhesive Abrasive Papers in SILICON CARBIDE**

SIZE	80 GRIT	120 GRIT	220 GRIT	400 GRIT	TOTAL
25mm dia	100	100	100	100	400 pcs
35mm dia	100	100	100	100	400 pcs
50mm dia	100	100	100	100	400 pcs

**Standard Accessories:**

- 1 inspection light
- 1 tools for mounting of machine [Spanner & Allen Key set]
- 1 knife for removal of used grinding papers
- 1 instruction manual
- 1 assortment of screws as spare parts
- 1 hand crank

**Dimensions of Case 1 which consists of Machines + Consumables:- Size 48.5” x 30” x 12”**

**Weight of Case 1: Net Weight 64Kg**

**Dimensions of Case 2 which consists of Abrasive Papers and tools:- Size: 17” x 11” x 7”**

**Weight of Case 2: Net Weight 9.55kg**



All this packed in metal transport boxes.



**CASE NO.1**



**CASE NO.2**

Contact us in case you require Extra with chargable basis.

Electric Drive motor  
Pneumatic Drive motor

