

**ANNEXURE-Y80600  
FOR FLAT SEAT  
FULL BORE GLOBE Valve  
Grinding and Lapping Machine  
TYPE GHF Y80600 size 80mm dia to 600mm dia**



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

**Operative Range:**

**PORTABLE Globe & Safety 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-Y80600 Size 80mm dia to 600mm 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.1** 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 600mm**

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-<br>[ 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 175–600 (NB 7”-24”), 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. |  |   |   |
|   |               |           |  | <b>50mm Dia</b>                                       | <b>50mm Dia</b>                                       |
| 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   |
| 330 mm O.D.  | 435           | 560       | 380  | 410   | 630   |

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    |
| 132mm       | 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 chargeable basis.

Electric Drive motor  
Pneumatic Drive motor

