

ANNEXURE-FG600
GEAR OPERATED LAPPING MACHINE
For Gate, Globe, Check, Safety and Control Valves
Model FG-600 (Size: 175mm to 600mm)

CHANGING THE WAY
YOUR VALVES
ARE REPAIRED !!



FLUIDCHEM VALVES (I) PVT. LTD.
ISO 9001: 2008 Certified Co.



FLUIDCHEM MODEL FG 600
GEAR OPERATED LAPPING MACHINE
For Gate, Globe, Check, Safety and Control Valves

FLUIDCHEM's model-FG is a robust, but light weight MECHANICALLY DRIVEN GEAR operated grinding and lapping machine for 'in-situ' repairs of damaged valve seat. The unique set up and construction makes the versatile FG suitable for all sorts of vertical seats (Gate -, Parallel Slide-, Check Valves) and horizontal mounted seats (Globe- & Safety Valves) in the range 175MM to 600MM

UNIQUE FEATURES

Versatile, universal tool for Gate, Parallel Slide, Globe and Safety valves. Highest material removal rates with the highest flatness accuracy.

GATE & PARALLEL SLIDE VALVES

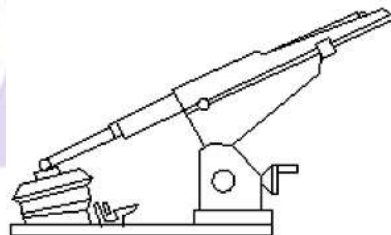
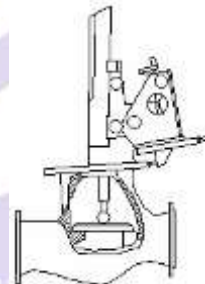
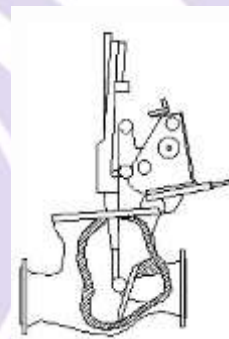
FLUIDCHEM's new **FG** is suitable and equipped for grinding and lapping the faces on both the Gate valve seats and wedge. Both seats inside the valve body are quickly machined in quick setting of the mounting bracket which also allow you to accurately lap both faces of the wedge.

GLOBE AND SAFETY VALVES

Within seconds the new **FG** is prepared for machining the flat seat of both Gate / Parallel Slide , Globe / Safety valves. The ball-joint construction in the arm ensure a very easy alignment and accurate control of the force.

Wedges

Machine is easily set up for wedge grinding using the existing clamping system and the additional mounting plate for wedge lapping which is provided along with the machine.



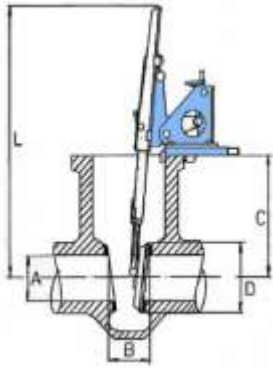
Electrically Operated Metabo electric Motor BE 1100
Or Equivalent
230V /50Hz-60Hz,
Speed 250-600 RPM Weight 3.75k
With Gear Assembly 5.2kg

Or

Pneumatically Operated : Ingersoll rand Air Motor or Equivalent
Air Flow 15cfm
0.6 HP
Free Speed of Air motor 450RPM







Technical Data FG – 600

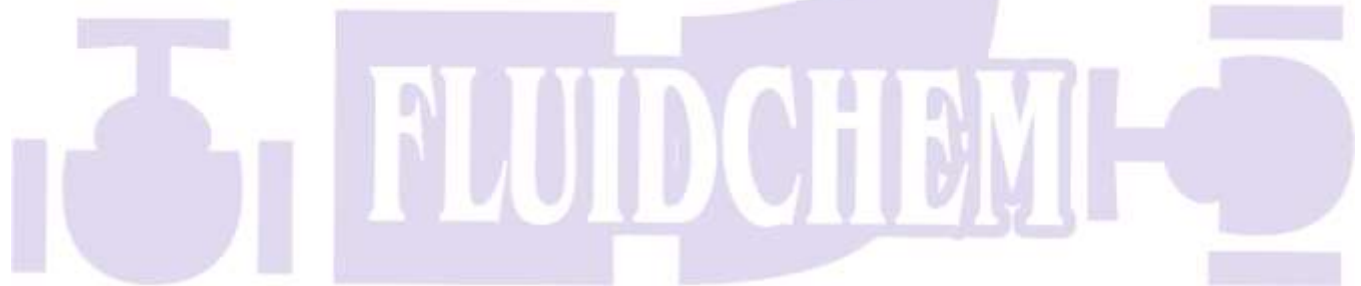
FG-600



A= 175-600mm
B= 77mm (min)
C= 100mm (min)
900mm (standard)
D= 200 - 871mm
L= 730mm (min)
1400mm (max- Optional)

MAIN MACHINE PARTS

Part Description	Product Illustration
Bottom Plate Vice for Body Weight:- 9.1 kg	
Mounting plate for wedges Weight:- 13.3 kg	
Main Machine holder with Pressure controller Weight:- .11.2 kg	
Arms 90mm length [Grinding head (5 pcs)] Weight:- 1.4 kg	
Arms 110mm length [Grinding head (5 pcs)] Weight:-1.5 kg	
Arms 205mm length [Grinding head (5 pcs)] Weight:- 2.25 kg	



HOLDING PLATES GEAR OPERATED

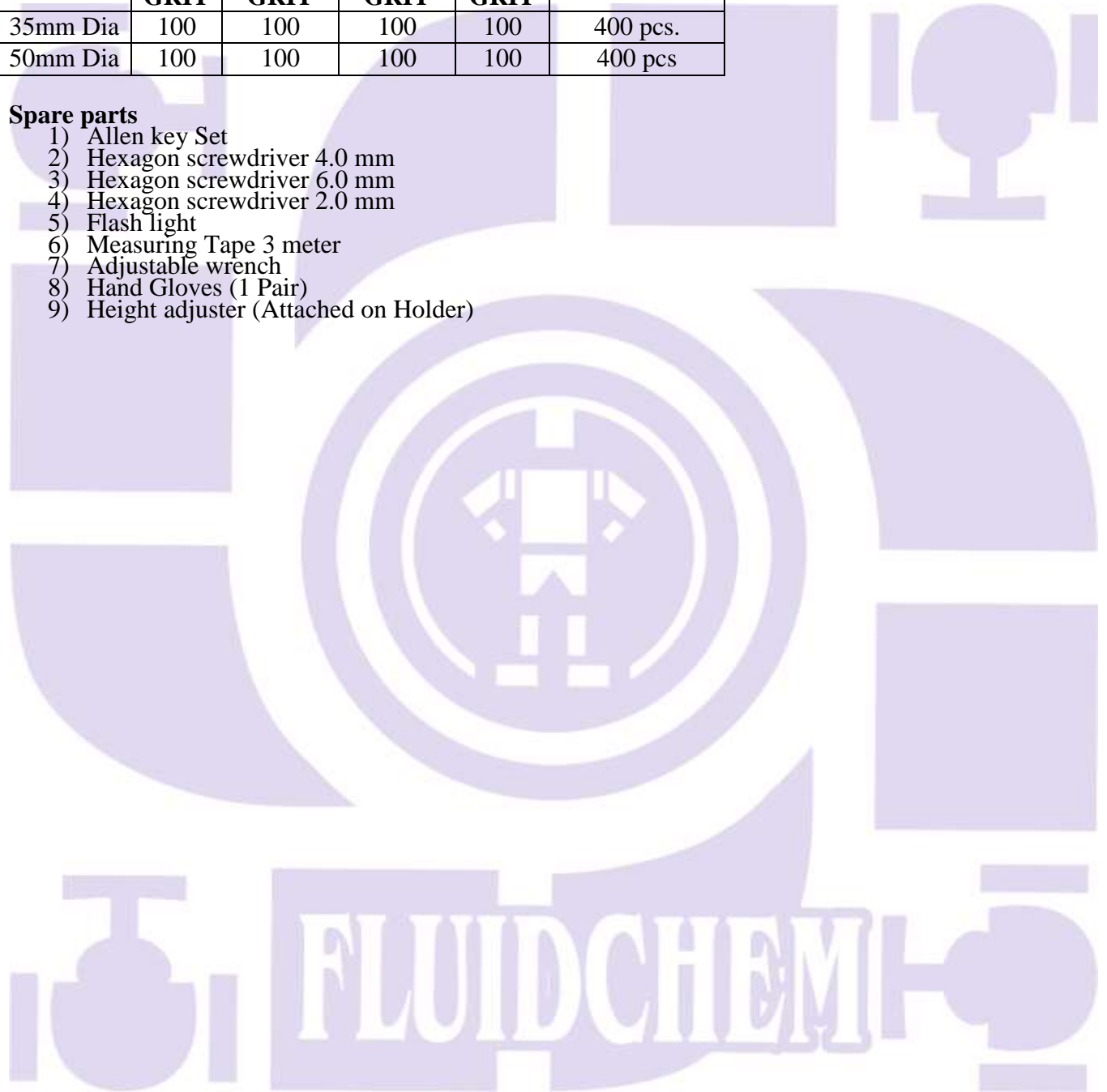
<p>Driving Holding plate 195mm dia For valve ID size 175-300mm Weight: 1.9 kg</p>	
<p>with 90mm ARMS</p>	
<p>Driving Holding plate 305mm dia For valve ID size 300-600mm Weight:- 3.3 kg</p>	
<p>with 110mm ARMS</p>	
<p>Main Machine assembly Size 175mm to 600mm Having submergible depth 900mm Weight:- 8.55kg</p>	
<p>Aluminum Grinding Discs 170mm, 195mm, 220mm, 245mm, 270mm, 320mm Total Weight:- 9kg</p>	

Self Adhesive Abrasive Papers

SIZE	80 GRIT	120 GRIT	220 GRIT	400 GRIT	TOTAL
35mm Dia	100	100	100	100	400 pcs.
50mm Dia	100	100	100	100	400 pcs

Spare parts

- 1) Allen key Set
- 2) Hexagon screwdriver 4.0 mm
- 3) Hexagon screwdriver 6.0 mm
- 4) Hexagon screwdriver 2.0 mm
- 5) Flash light
- 6) Measuring Tape 3 meter
- 7) Adjustable wrench
- 8) Hand Gloves (1 Pair)
- 9) Height adjuster (Attached on Holder)





Box 1: Consists of Main Machine Assembly along with Mounting plate for wedges, Main Machine holder with Pressure controller, Arms, Bottom Plate Vice, Holding Plate, Electric / Pneumatic Motor)

Size 37" x 21.5" x 15.5"



Box 2: Consists of Abrasive Papers, FRL, Pneumatic Motor, Pen Knife, Measuring Tape, Flash Light, Spanner Set, Allen Key Set, Adjustable wrench and other consumables.

Size 17" x 11" x 7"



Box 3: Consists of Aluminum Grinding Discs: 170mm, 195mm, 220mm, 245mm, 270mm, 320mm

Size 15.5" x 15.5" x 7"

Total Weight: 17kg