

VALVE GRINDING & LAPPING EQUIPMENT



MODEL: POLIR F6
RANGE: ¼ – 6" / DN6 – 150 mm.

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Polir F6 Valve grinder

Portable, battery driven machine for grinding and lapping flat sealing faces of globe- and safety valves. The Polir F6 machine is designed for on-site or in-shop valve reconditioning. The light weight machine is equipped for a full, universal range up to 6" / DN150 mm. The Polir F6 is standard equipped with a range of grinding and center plates for grinding and lapping any type and size of 'flat' seats. The center plate keeps the grinding plate in position, but also gives an eccentric, orbital rotation ensuring complete coverage and absolute flatness.



Abrasives

The Polir F6 is completed with a large consumer quantity of polyester based, 3M self-adhesive aluminum oxide round foil tips in grains rough, middle and fine. The foil tips can be used dry and on all common seat materials.

Drive

The Polir F6 is standard equipped with a battery drive machine and is delivered with two batteries and a 110V/230V 50/60Hz charger. The low weight and good balance of the machine increases the grinding performance and makes it easier to achieve high quality flat 'results'.



Optional

Option 128 - Polir Conical Seat Attachment C2.5.

Attachment set for grinding and lapping valves with conical seats in range 3/8" – 2 1/2"

Seat Angles:

- ✓ 30° (2x 15°)
- ✓ 40° (2x 20°)
- ✓ 60° (2x 30°)
- ✓ 75° (2x 37.5°)
- ✓ 90° (2x 45°)



The Polir F6 is optionally completed with the C2.5 attachment set for grinding and lapping valves with conical seats in a range from 3/8 – 2,5". The standard range of covers cones with 30-40-60-75-90 degree angle

. These cones are made from high quality hardened steel, a guarantee for a long lifetime.

Polir F6 Standard Scope of Supply

Battery driven Drive Unit
Max inserting depth 330 mm / 12.9 inch.
Battery Charger, and two batteries
Universal Polir F6 drive shaft with cardan and quick coupling system.
Centering Bush
(7) Flat Guiding Plates
(9) Lapping / grinding plates
(3) Lapping / grinding plates for small diameter seats
(1) Universal Adapter
100 pcs. – Ø 17 mm / 0.7" - P 500 -30 mł - for accurate and fine finish.
100 pcs. – Ø 25 mm / 1" - P 500 -30 mł - for accurate and fine finish.
100 pcs. - Ø 17 mm / 0.7" - P240 - 60 mł - for pre-finishing.
100 pcs. - Ø 25 mm / 1" - P240 - 60 mł - for pre-finishing.
100 pcs. - Ø 17 mm / 0.7" - P150 - 100 mł - high material removal rate.
100 pcs. - Ø 25 mm / 1" - P150 - 100 mł - high material removal rate.
Allen key, Scraper Knife for cutting and removing Lapping Foil
Flashlight. (LED)
Universal Charger 110 -240 V 50-60 Hz
Operating manual in English.
Light weight, but robust carrying case (trolley) for the machine and all accessories.

