

# PORTABLE GRINDING & LAPPING MACHINES

## ■ unigrind VENTA



### Portable grinding and lapping machines for working on valves with flat seating faces:

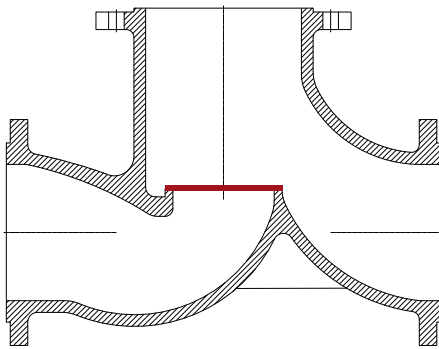
- Globe valves
- Safety relief valves
- Check valves

### Drives:

- Electric 230 V/110 V AC, 50/60 Hz,
- Battery drive for VENTA 50, 50 SV VENTA 150, 150 SV
- Pneumatic drive 5–7 bar (72–90 psi)

### Comment:

VENTA 50 SV and VENTA 150 SV are supplied with special micro finishing film in the grits P150, 280, 500, 1000 and 1800 for grinding and polishing safety relief valve seat surfaces. Hand guided grinding machines up to working range DN 150 (6"). For the machines type VENTA 300, 600 and 1600 a mounting device is used to fix the machine on the valves.



VENTA 300

Type:	Working ranges:	Inches:
VENTA 50	DN 8–50 mm	1/4"–2"
VENTA 50 SV	DN 8–50 mm	1/4"–2"
VENTA 150	DN 8–150 mm	1/4"–6"
VENTA 150 SV	DN 15–150 mm	1/2"–6"
VENTA 300	DN 80–350 mm	3"–14"
VENTA 300 S	DN 80–450 mm	3"–18"
VENTA 600	DN 200–700 mm	8"–28"
VENTA 1600	DN 500–1600 mm	20"–64"



VENTA 150 transport box with grinding tools



VENTA 150 transport box with abrasive set

### Options:

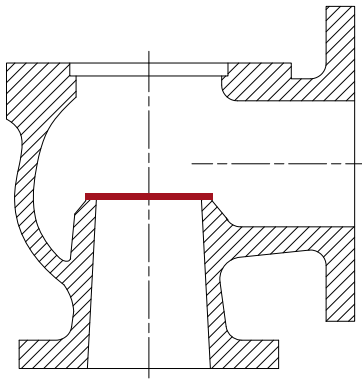
- Lapping equipment (lapping paste and lapping disks)
- Micro finishing film abrasives grit P80–1800 and 4000
- Working depth extensions
- Slight changes in working range
- Customized grinding tools
- Additional tools for grinding gate valve seats with VENTA 150 in work shop
- Grinding tools for tapered valve sealing surfaces with various angles (KVS tools)
- Stainless steel transport boxes for VENTA 300–600
- HDPE transport boxes for VENTA 50, 50 SV, 150, 150 SV

### Standard:

- VENTA machines are supplied complete with all tools, accessories and abrasives in metal boxes
- Spring loaded drive spindle to control working pressure



VENTA 150



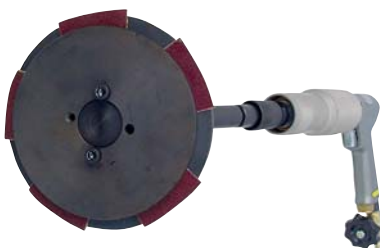
### Advantage:

**VENTA tools are compatible with other unigrind machines:**

Spring loaded grinding adapters size 1–4 for stationary drill press, stationary grinding machines STM 500 and STM 800E.

### Comment:

A large range of self-adhesive rings, disks and segments in quality aluminium oxide, silicon carbide and zirconium oxide available in various grits and DIAPLAN - CBN (= Cubic Boron Nitride) galvanic bonded high performance grinding heads are also available for the planet grinding disks.



VENTA 150 drive with grinding tools



VENTA 300 transport box with accessories