

Valve Grinding Safety & Control Valves with Flat & Conical Seats

Model K for valves 0.5" - 6" (12 - 150mm)

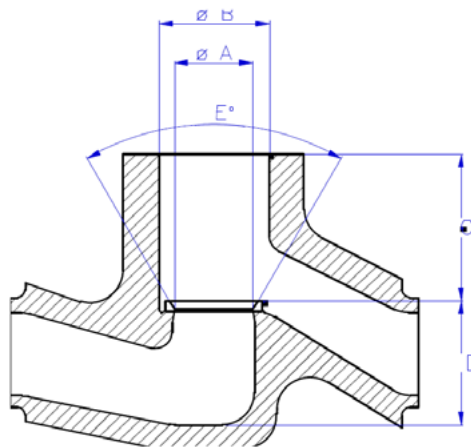
This unique, handheld system is easy to assemble. The design of the K makes it possible to use different drive units for the same equipment.

Every model K is supplied with a rugged, customised carrying/storage case complete with accessories. The case is fitted with specially designed compartments molded to the shape of each component, allowing operators to confirm at glance that all items are in place before and after grinding.

The Model K can easily be used to grind conical seats by using our unique centering system. You can also choose from three different driving units; pneumatic, electrical, battery or a combination of all three and still use the same drive shaft.

Possible range for model K:

A Min =	8mm
A Max =	150mm
B Min =	18mm
B Max =	170mm
C Min =	80mm
C Max =	280mm
D Min =	20mm
E =	30° (2 x 15°)
E =	40° (2 x 20°)
E =	60° (2 x 30°)
E =	75° (2 x 37.5°)
E =	90° (2 x 45°)



Technical Details	Model					
	K A 65 12-65mm (1/2" - 2 1/2") Globe, control and safety valves with angled seats	K A 100 12-100mm (1/2" - 4") Globe, control and safety valves with angled seats	K B 100 12-100mm (1/2" - 4") Globe, control and safety valves with flat seats	K AB 65/100 12-65/100mm (1/2" - 2 1/2" for conical seats) (1/2" - 6" for flat seats) Globe, control and safety valves with flat and angled seats	K AB 100/150 12-100/150mm (1/2" - 4"/6") Globe, control and safety valves with flat and angled seats	K B 100 LapBlock 12-100mm (1/2" - 4") Globe, control, safety valves and wedges with flat seats
Electric drive unit 110 or 220V	option	option	option	option	option	option
Electric drive unit battery operated 110 or 220V	option	option	option	option	option	option
Pneumatic drive unit (6 - 7 bar)	option	option	option	option	option	option
K shaft I short	●	●	●	●	●	●
K shaft II long	●	●	●	●	●	●
Centralising cone I	●	●	●	●	●	●
Centralising cone II	●	●	N/A	●	●	N/A
Centralising cone III	●	●	N/A	●	●	N/A
Ball joint adaptor and grinding plate for 8mm	N/A	N/A	●	●	●	●
Support adaptor for grinding cones	●	●	N/A	●	●	N/A
Flat seat grinding plates for grinding seats	Kit K 100 12-100mm (1/2" and 4")	N/A	●	●	N/A	●
	Kit K 150 12-150mm (1/2" and 6")	N/A	N/A	option	●	option
Guiding plates	Kit K 100 12-100mm (1/2" - 4")	N/A	●	●	N/A	●
	Kit K 150 12-150mm (1/2" - 6")	●	●	option	●	option
Grinding cones including guide plates	3° kit 65, 30°, 60°, 90° 12-65mm(1/2"- 2 1/2")	option	N/A	N/A	option	N/A
	5° kit 65, 30°, 40°, 60°, 75°, 90° 12-65mm(1/2"- 2 1/2")	option	N/A	N/A	option	N/A
	3° kit 100, 30°, 60°, 90° 12-100mm(1/2"- 4")	N/A	option	N/A	N/A	option
	5° kit 100, 30°, 40°, 60°, 75°, 90° 12-100mm(1/2"- 4")	N/A	option	N/A	N/A	option
2 LapBlock long life lapping plates available in two different microns	N/A	N/A	N/A	N/A	N/A	●
Self adhesive grinding discs in rough medium and fine	●	●	●	●	●	●
Heavy duty case for transport and storage including tools to operate	●	●	●	●	●	●

A selection of standard models, other configurations and accessories are available on request

Valve Grinding Consumables

The efficiency of the machine relies on the grinding discs used. The wrong discs will either slow you down drastically or in worst case damage the valve. The grinding discs are specially designed for valve grinding. They have been proven in our facilities and out on the field. To make you sure that you get the best out of your machine, we have a wide selection of grinding discs from 40 grit down to 3 microns with diameter sizes from 17 - 70mm.



Grinding Accessories

Grinding accessories are available to suit all models. These include Cast iron and diamond faced discs including special angled discs.



Sabre Aluminium Oxide Paste

Specially formulated containing Aluminium Oxide Abrasive. It is suitable for a wide range of lapping/ polishing operations, and it is particularly effective when used for smoothing soft metals such as brass, aluminium and copper. Sabre Pastes are also available based on both silicon carbide and boron carbide abrasives. Available in 20g syringes.

Micron	Code
0.1	300206
0.5	300205
3	300204
7	300203
9	300202
23	300201



Diamond Compound / Paste

Kemet offer a huge range of Diamond Compounds for rapid stock removal, superfine surface finish, lapping and pre-polishing. Available from 1/10 to 90 micron, soluble in either oil (Type L), water (Type W) or both (Type KD). High thermal stability of the chemical carrier ensures that Kemet Diamond Compound resists frictional heat, remains stable, and keeps its suspension properties under operating conditions. For our full range, please visit www.kemet.co.uk



Lapping Pastes

Kemet manufacture a wide range of abrasive lapping pastes. Our range of Silicon Carbide and Aluminium Oxide pastes have many applications but are particularly suited to the lapping of mechanical seals and valve seats. The pastes are **water soluble** and safe to use.

Product	Type	Micron	FEPA Grade	Pastes	
				1kg	
Green Silicon Carbide	Fine	3	1200	361547	
		5	1000	361552	
		7	800	362616	
	Medium	9	600	361514	
		17	400	361551	
		Coarse	23	360	361548
			30	320	361558
Black Silicon Carbide	Coarse	37	280	361538	
		75	180	361549	
White Aluminium Oxide	Fine	109	120	361689	
		3	1200	361544	
		5	1000	361624	
	Medium	7	800	361545	
		9	600	361543	
		13	500	361546	
		Coarse	23	360	361542

