

Deionisers

Laboratory Deionisers

COPE – ELGA



DB030-10

DB030-20 with DB030-80

Cope-Elga Vision Deionisers

- ◆ High quality water instantly available
- ◆ Simple to install – wall mounting
- ◆ Colour change resin
- ◆ Supplied with dispensing spout
- ◆ Hand held dispensing gun accessory on flexible lead

Cope-Elga Vision Deionisers provide quality water as and when it is required. The need for elaborate and costly storage is eliminated. Just turn on the mains water tap and take off the water instantly either through the top dispensing spout or the accessory hand held dispensing gun. The resin changes colour when the cartridge is exhausted.

Model		Vision 125	Vision 250
Max. Flow rate	l/h	60	60
Max. Input pressure	psi	90 (6 bar)	90 (6 bar)
Mains water connection		0.5" BSP hosietail both models	
Typical water quality	$\mu\text{S/cm}$	0.1 to 10 both models	
Typical output, water areas			
Hard (400-500ppm)	litres	80 to 100	170 to 200
Mid (100-300ppm)	litres	150 to 400	300 to 800
Soft (40-80ppm)	litres	500 to 900	1100 to 1900
Overall dimensions H x W x D	mm	385 x 92 x 100	660 x 92 x 100
Weight	kg	2.5	4.2

Vision Deionisers, Cope-Elga

With colour change cartridge and dispensing spout.

DB030-10 Vision 125

DB030-20 Vision 250

Spare Cartridges

DB030-60 For Vision 125

DB030-65 For Vision 250

Accessory for both models

DB030-80 Hand held dispensing gun on flexible lead

Water Purity

Ultra-pure water, as produced by the Cope-Elga Vision, is almost entirely free of dissolved mineral salts, including silica, and will have a neutral pH since the dissolved CO₂ will have been removed. From an inorganic standpoint, ultra-pure water will conform to International Pharmacopoeia and laboratory grade specifications for purified water.

For less critical applications the Cope-Elga Vision is capable of producing pure water at the end of each cartridge run, extending its life by approximately 25%. Pure water is similar to ultra-pure water although CO₂ and silica will be present.

Water analysis

	Ultra-Pure Water	Pure Water
Conductivity	1 to 0.1 $\mu\text{S/cm}$	10 to 1 $\mu\text{S/cm}$
Resistivity	1 to 10M -cm	0.1 to 1M -cm
Silica	<0.05 ppm (mg/l)	not removed
Carbon Dioxide	<0.5 ppm (mg/l)	not removed
Trace Dissolved Metals	<0.001 ppm (mg/l)	<0.005 ppm (mg/l)
Residual Solids	<0.5 ppm (mg/l)	<5 ppm (mg/l)
Average pH	Neutral	4 to 7