

Diffused Aeration

Aquatec Maxcon supplies fine bubble membrane type plate diffusers, membrane and ceramic type disc diffusers, as well as tubular diffusers, all of which provide the highest available efficiencies. Integral mixing systems are also offered for optimised performance.

Aquatec Maxcon was responsible for the introduction of membrane type fine bubble aeration diffusers to Australia in 1986.

The initial membrane diffusers were developed and manufactured in Germany by GVA and were a hollow tubular construction with an extruded EPDM membrane. GVA also design and manufacture disk diffusers and, since our humble beginnings working with GVA diffusers in Australia, Aquatec Maxcon has supplied over half a million diffusers nationally. GVA diffusers are still manufactured in Germany and are of high quality and workmanship - they can last up to a decade in operation. We are continuing to work with existing clients to supply new GVA diffusers, we can supervise and support our clients at the end of diffuser life.

Aquatec Maxcon is committed to the ongoing development of diffused aeration systems in an effort to provide installations that are highly efficient, reliable and cost effective. We recognise that, over the life of a plant, the ongoing cost of these installations typically exceeds the initial capital cost.

Based on the history and experience developed, Aquatec Maxcon has not only sourced diffusers from overseas but has also developed its own diffuser, the AquaBlade, for the Australasian market. The unique, Australian-designed AquaBlade has addressed a number of issues unique to the warmer Australian climate.

Our range of diffused aerators include:

- [AquaBlade](#)
- Elastox-T
- Elastox-R
- Permax-R
- Ceramic Disc
- Coarse Bubble

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Above: Disk Diffusers manufactured by GVA in Germany