

# Aqua-Cool Towers AQX Crossflow Series



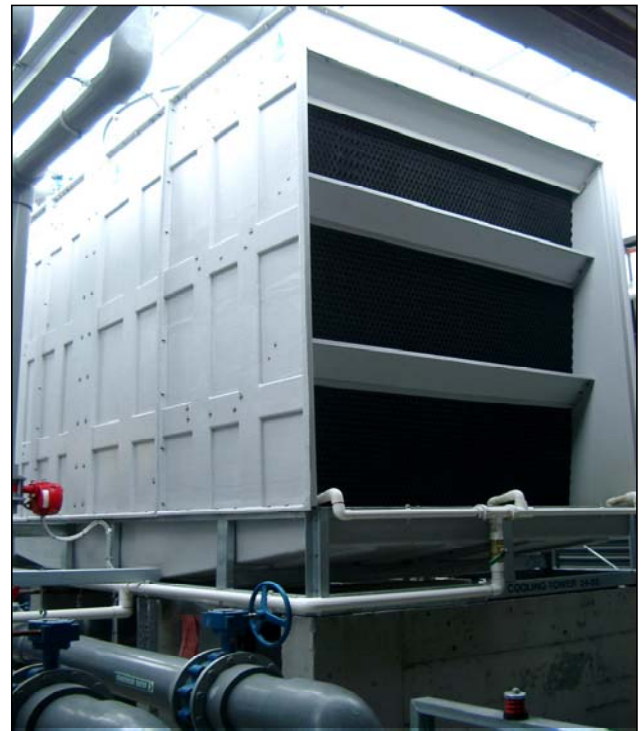
Australian designed and manufactured, Aqua-Cool AQX Fibreglass Cooling Towers afford easy cleaning with fill and eliminators in situ or removed. The fibreglass shell can be easily hosed down on the inside and cleaned. Sloping of the cold water basin to the centre and rounding of all corners eliminates water and sludge hangup and makes maintenance easier.

Unlike other cooling towers on the market, the AQX range of cooling tower fill pack comprises individual fill sheets suspended from stainless steel tubes for ease of cleaning.



Working on the principle of induced draught cross flow, Aqua-Cool AQX fibreglass cooling towers do not suffer from waterfall effect or crosswind blowout. They cannot rust like conventional steel towers – the fill, casing, hot and cold water basin (in fact, all surfaces which come in contact with the water) are of rigid, easy to clean PVC or fibreglass material. This virtually eliminates repairs and further helps to reduce maintenance cost and ensures dependable service. These units come with a full 10 year structural guarantee on fibreglass components.

- Conforms to current industry standard AS3666
- Highly efficient drift eliminators to AS4180.1
- Optional access arrangements complying with AS1657
- Complete access for ease of cleaning of all tower components
- Rigid PVC and GRP eliminate rust
- Compact and lightweight with low height
- Integral fabricated hot dipped galvanised steel base frame
- Direct drive or belt drive motor assemblies
- Gearbox drive available
- Gravity feed, covered hot water basins
- Energy efficient with low operating costs
- Factory assembled or component form for site assembly



## Manufactured by:

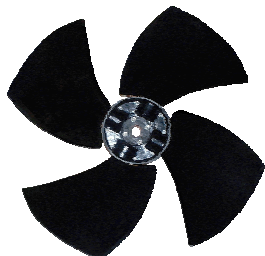
Aqua-Cool Towers Pty Ltd  
34-42 Melbourne Road, Riverstone, NSW 2765 Australia  
PO Box 436, Riverstone, NSW 2765 Australia  
Tel: (61) 2 9627 3322 Fax: (61) 2 9627 1715  
Email: [sales@aquacooltowers.com.au](mailto:sales@aquacooltowers.com.au)  
Website: [www.aquacooltowers.com.au](http://www.aquacooltowers.com.au)

# AQX Range of Cross Flow Cooling Towers - Quick Selection Char t

|               | Wet Bulb Temperature, °C |       |       |       |       |       |       |       |       |       |       |       |       |       |      |
|---------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|               | 35.0                     | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 37.0  | 38.0  | 38.0  | 38.0  | 38.0 |
| Hot Water °C  | 35.0                     | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 37.0  | 38.0  | 38.0  | 38.0  | 38.0 |
| Cold Water °C | 29.5                     | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 32.0  | 33.0  | 30.0  | 31.0  | 32.0 |
| Wet Bulb °C   | 19.0                     | 20.0  | 21.0  | 22.0  | 23.0  | 24.0  | 25.0  | 25.5  | 26.0  | 27.0  | 28.0  | 27.0  | 27.0  | 27.0  | 27.0 |
| Model         | Water Flow, l/s          |       |       |       |       |       |       |       |       |       |       |       |       |       |      |
| AQXS 50       | -                        | 3.0   | 2.8   | 2.6   | 2.3   | 2.1   | 1.8   | 1.7   | 1.6   | 2.4   | 2.5   | 1.3   | 1.6   | 2.0   |      |
| AQXS 100      | -                        | 5.9   | 5.5   | 5.0   | 4.6   | 4.1   | 3.6   | 3.4   | 3.2   | 4.7   | 4.9   | 2.5   | 3.1   | 4.0   |      |
| AQXS 145      | -                        | 8.6   | 8.0   | 7.4   | 6.8   | 6.1   | 5.4   | 5.1   | 4.7   | 6.9   | 7.2   | 3.8   | 4.7   | 6.0   |      |
| AQXS 220      | -                        | 12.9  | 12.0  | 11.1  | 10.1  | 9.1   | 8.1   | 7.6   | 7.9   | 10.3  | 10.8  | 5.7   | 7.0   | 9.0   |      |
| AQXS 300      | -                        | 17.3  | 16.2  | 15.1  | 13.8  | 12.6  | 11.3  | 10.6  | 9.9   | 14.1  | 14.7  | 7.9   | 9.8   | 12.4  |      |
| AQXS 375      | -                        | 21.5  | 20.2  | 18.8  | 17.3  | 15.7  | 14.0  | 31.1  | 12.2  | 17.5  | 18.3  | 9.5   | 12.0  | 15.4  |      |
| AQXS 420      | -                        | 25.4  | 23.7  | 22.0  | 20.1  | 18.1  | 16.0  | 15.0  | 14.0  | 20.4  | 21.4  | 11.1  | 13.8  | 17.8  |      |
| AQXS 540      | -                        | 32.0  | 29.9  | 27.6  | 25.3  | 22.8  | 20.3  | 19.0  | 17.8  | 25.7  | 26.9  | 14.3  | 17.6  | 22.4  |      |
| AQXD 445      | -                        | 25.9  | 24.1  | 22.3  | 20.4  | 18.5  | 16.5  | 15.5  | 14.5  | 20.8  | 26.4  | 11.7  | 14.4  | 18.2  |      |
| AQXD 450      | -                        | 31.2  | 29.2  | 27.1  | 24.9  | 22.5  | 20.1  | 18.9  | 17.7  | 25.2  | 30.4  | 14.0  | 17.5  | 22.2  |      |
| AQXD 600      | -                        | 36.2  | 33.8  | 31.3  | 28.7  | 25.9  | 23.0  | 21.6  | 20.1  | 29.1  | 35.0  | 16.0  | 19.9  | 25.4  |      |
| AQXD 700      | -                        | 41.8  | 38.9  | 36.0  | 32.8  | 29.5  | 26.2  | 24.0  | 22.9  | 33.4  | 38.9  | 18.3  | 22.6  | 29.0  |      |
| AQXD 800      | -                        | 44.6  | 42.3  | 39.8  | 37.0  | 33.8  | 30.2  | 28.1  | 26.0  | 37.5  | 42.1  | 19.2  | 25.6  | 33.3  |      |
| AQXD 900      | -                        | 51.9  | 48.5  | 45.0  | 41.3  | 37.4  | 33.3  | 31.3  | 29.3  | 42.0  | 43.8  | 23.2  | 28.9  | 36.8  |      |
| AQXD 1000     | -                        | 60.2  | 56.4  | 52.4  | 48.2  | 43.6  | 38.9  | 36.5  | 34.0  | 48.9  | 51.0  | 26.7  | 33.6  | 42.9  |      |
| AQXD 1200     | -                        | 68.9  | 64.4  | 59.7  | 54.7  | 49.5  | 44.1  | 41.3  | 38.6  | 55.6  | 58.1  | 30.6  | 38.1  | 48.7  |      |
| AQXD 1300     | 78.7                     | 74.6  | 70.2  | 65.5  | 60.4  | 54.9  | 49.0  | 45.9  | 42.6  | 60.6  | 63.0  | 32.8  | 42.5  | 54.0  |      |
| AQXD 1400     | 89.4                     | 84.8  | 79.9  | 74.6  | 68.8  | 62.7  | 56.0  | 52.4  | 48.6  | 69.1  | 71.7  | 37.5  | 48.5  | 62.0  |      |
| AQXD 1500     | 96.4                     | 91.4  | 86.1  | 80.4  | 74.2  | 67.5  | 60.3  | 56.5  | 52.4  | 74.4  | 77.3  | 40.4  | 52.3  | 66.8  |      |
| AQXD 1700     | 106.3                    | 101.1 | 95.5  | 89.4  | 82.8  | 75.6  | 67.7  | 63.5  | 59.1  | 83.1  | 86.0  | 45.8  | 58.9  | 74.8  |      |
| AQXD 1850     | 115.0                    | 109.4 | 103.3 | 96.8  | 89.6  | 81.9  | 73.3  | 68.8  | 64.0  | 89.9  | 93.2  | 49.5  | 63.8  | 81.0  |      |
| AQXD 2000     | 122.2                    | 116.3 | 109.9 | 103.0 | 95.4  | 87.2  | 78.1  | 73.3  | 68.2  | 95.7  | 99.1  | 52.8  | 68.0  | 86.3  |      |
| AQXD 2250     | 141.6                    | 133.6 | 125.1 | 116.2 | 106.7 | 98.9  | 85.9  | 80.2  | 74.3  | 107.5 | 111.9 | 57.2  | 74.2  | 95.5  |      |
| AQXD 2400     | 147.9                    | 140.3 | 132.0 | 123.2 | 113.8 | 103.6 | 92.1  | 86.0  | 79.7  | 115.1 | 119.9 | 61.3  | 79.6  | 102.7 |      |
| AQXD 2650     | 164.2                    | 155.8 | 146.7 | 137.0 | 126.7 | 115.6 | 103.5 | 96.9  | 90.1  | 128.5 | 133.9 | 69.5  | 90.4  | 115.5 |      |
| AQXD 3000     | 181.2                    | 171.9 | 161.8 | 151.1 | 139.7 | 127.2 | 113.9 | 106.6 | 99.1  | 141.6 | 147.5 | 76.3  | 99.3  | 127.2 |      |
| AQXD 3350     | 206.8                    | 196.1 | 184.9 | 172.8 | 159.8 | 145.8 | 130.6 | 122.3 | 113.9 | 162.0 | 168.7 | 87.8  | 114.1 | 145.8 |      |
| AQXD 3500     | 221.0                    | 209.0 | 197.5 | 185.0 | 171.7 | 157.4 | 141.8 | 133.4 | 124.7 | 174.3 | 181.2 | 98.6  | 125.3 | 157.6 |      |
| AQXD 3600     | 225.7                    | 214.8 | 203.1 | 190.6 | 177.1 | 162.5 | 146.7 | 138.1 | 129.2 | 179.7 | 186.7 | 102.6 | 129.8 | 162.8 |      |
| AQXD 3800     | 240.3                    | 228.4 | 215.6 | 201.9 | 187.3 | 171.7 | 154.5 | 143.6 | 135.7 | 189.9 | 197.5 | 105.2 | 133.7 | 171.7 |      |
| AQXD 4000     | 250.1                    | 237.6 | 224.4 | 210.2 | 195.1 | 178.0 | 161.1 | 151.5 | 141.6 | 198.0 | 207.0 | 112.1 | 142.2 | 179.0 |      |
| AQXD 4200     | 253.0                    | 241.0 | 228.1 | 214.2 | 202.1 | 183.6 | 166.2 | 156.8 | 147.0 | 202.7 | 210.7 | 118.0 | 148.1 | 184.4 |      |
| AQXD 4500     | 273.5                    | 260.4 | 246.7 | 231.8 | 215.9 | 198.6 | 179.9 | 169.8 | 159.3 | 219.5 | 219.6 | 127.9 | 160.4 | 199.6 |      |

### Sound Solutions

Low noise and super low noise fan drive options are available for the AQX range of cooling towers to suit most applications.



For Victoria and Tasmania, the health (Legionella Regulations 2001) act requires additional screening to prevent direct sunlight on all wetted surfaces of any cooling tower system. The AQX units are supplied with these screens as standard for these areas.



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