



REDUCE HEAD LOSS

6MwC PRESSURE RATING AS STANDARD

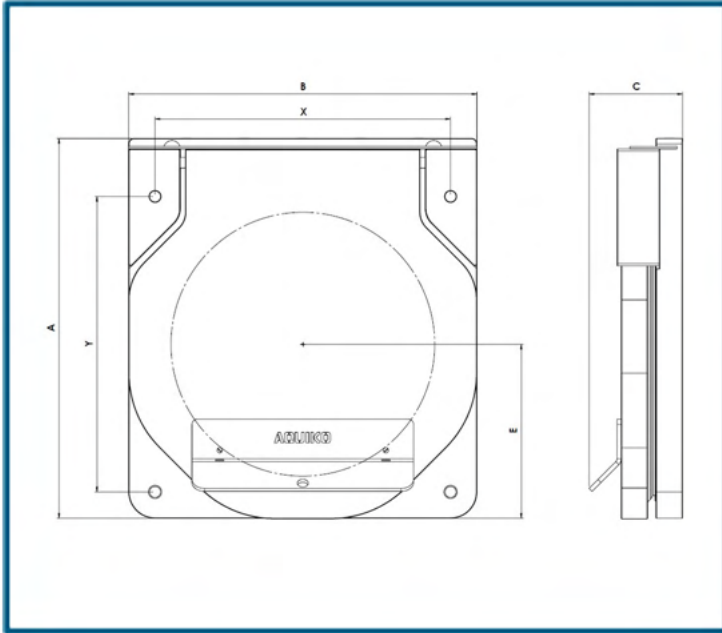
QUICK INSTALLATION

AQUIKO Round Flap Valves offer a simple yet effective method of flood prevention. Installed in a variety of conditions to prevent backflow into outlets and minimise risk of flooding. The flap valve comprises of a door (the flap) with a hinge at the top which allows water to pass in one direction but not the other. The humble flap valve may seem simple, yet to make a simple solution brilliant requires a lot of thought. AQUIKO have given time to the flap valve, making a range in HDPE which is light to reduce head loss, minimise opening pressures and ease installation. All AQUIKO Flap Valves come with a 6MwC pressure rating as standard, with bespoke options available should a greater rating be required. With no need for casting in or grouting, you can save over 12 hours in installation time, compared with stainless or cast-iron alternatives.

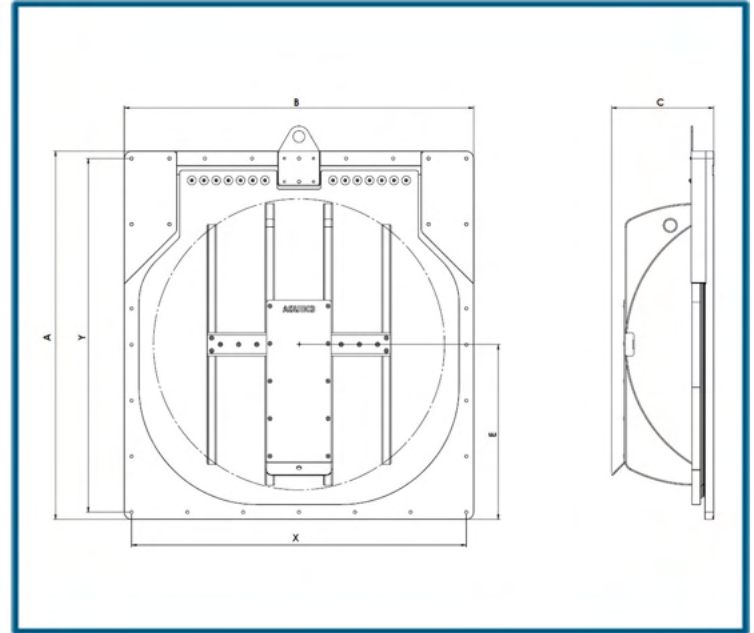
Benefits of HDPE

HDPE is a brilliant material which in black is UV stable, light and does not degrade in water. The low weight of the material and small volumes required for manufacture ensure our valves have the lowest possible CO2 footprint. When a force is applied to HDPE, overtime the material creeps, this means that the shorter the time period where force is applied the greater the load that it can be subjected to. AQUIKO's calculations to determine its pressure rating for short term pressure are based on the materials strength over 4 days and long-term pressure over the course of a year, AQUIKO can however provide information for periods up to 25 years.





ARF-100mm up to 500mm



ARF-600mm up to 1500mm

| Diameter | A | B | C | E | X | Y | Weight (KG.) |
|----------|------|------|-----|-----|------|------|--------------|
| 100 | 180 | 210 | 80 | 90 | 150 | 150 | 1.7 |
| 150 | 230 | 260 | 80 | 115 | 200 | 200 | 2.5 |
| 200 | 280 | 310 | 80 | 140 | 230 | 230 | 3.4 |
| 250 | 330 | 360 | 90 | 165 | 280 | 280 | 5.1 |
| 300 | 380 | 410 | 90 | 190 | 330 | 330 | 6.2 |
| 400 | 510 | 480 | 105 | 240 | 420 | 420 | 11.2 |
| 500 | 610 | 580 | 105 | 290 | 520 | 520 | 15 |
| 600 | 865 | 800 | 250 | 400 | 750 | 815 | 42.9 |
| 700 | 965 | 900 | 275 | 450 | 850 | 915 | 54 |
| 800 | 1000 | 1065 | 300 | 500 | 950 | 1015 | 66 |
| 900 | 1100 | 1165 | 325 | 550 | 1050 | 1115 | 75 |
| 1000 | 1200 | 1265 | 350 | 600 | 1150 | 1150 | 93 |
| 1100 | 1300 | 1365 | 375 | 650 | 1200 | 1200 | 109 |
| 1200 | 1400 | 1465 | 400 | 700 | 1350 | 1350 | 125 |
| 1400 | 1600 | 1665 | 450 | 800 | 1550 | 1550 | 163 |
| 1500 | 1700 | 1765 | 475 | 850 | 1650 | 1650 | 184 |

Flap Valve: ARF-100 up to 1500mm
Materials: SS316, HDPE & EPDM
Pressure: 6MwC