

### FCI-05-005M

#### Product Description

Dutypoint Systems AirBREAK™ combined cat 5 break tank and fixed speed single pump booster system. Unit can be free standing or wall mounted and includes a polyethylene tank with 36L nominal capacity with high flow failsafe motorised inlet valve controlled via probe sensors and an internal flow calming baffle to protect the pump against air locking. Control system includes an electronic pump controller with adjustable start pressure, common fault volt-free contacts for connection to BMS, spare terminals for optional fitting of thermostat and heater.



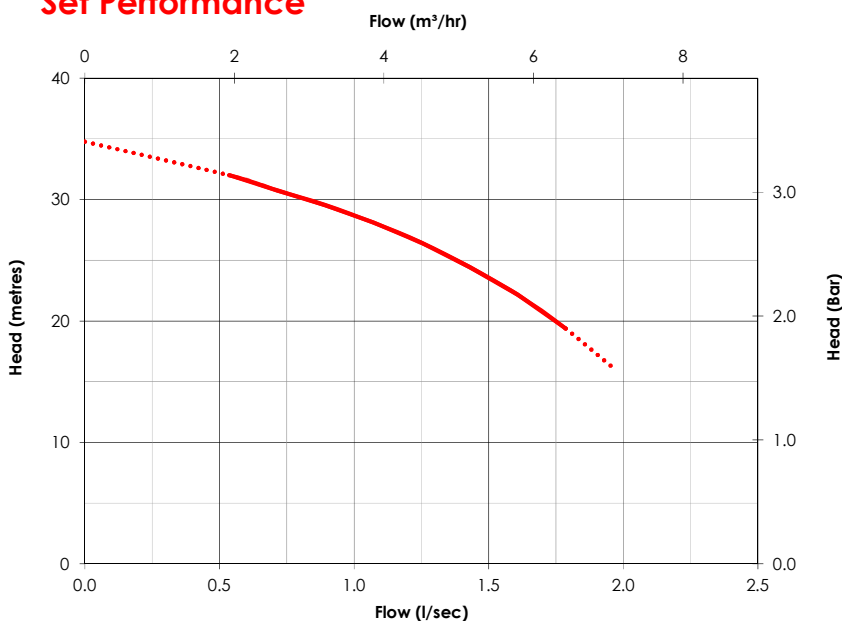
<b>Accreditations</b>	<ul style="list-style-type: none"> <li>- Water Regulations Category 5 backflow prevention compliant</li> <li>- KUK Reg4 Approved (non-wholesome use)</li> <li>- WRAS Approved (non-wholesome use)</li> </ul>
<b>Control System</b>	<ul style="list-style-type: none"> <li>- Conductivity probe tank level sensors</li> <li>- Electronic pump controller with adjustable start pressure</li> <li>- Spare power terminals for connection of optional anti-frost heater</li> </ul>
<b>Protection</b>	<ul style="list-style-type: none"> <li>- Integrated electronic dry running protection with auto-reset</li> <li>- Pump protection MCB</li> </ul>
<b>Available Factory Fitted Optional Extras*</b>	<ul style="list-style-type: none"> <li>- High Level Alarm</li> <li>- Integrated anti-frost thermostat and heater</li> <li>- Weir tray piped to overflow</li> </ul>
<b>Available Accessories*</b>	<ul style="list-style-type: none"> <li>- Wall mounting bracket</li> <li>- Back closure plate (floor standing applications away from wall)</li> <li>- Wall mountable weatherproof kiosk</li> <li>- Floor mountable weatherproof kiosk</li> <li>- Stainless steel drip tray (compatible with both free-standing and wall mounting configuration)</li> <li>- Pressure reducing valve for outlet pressure control</li> </ul>

### Specification

Suction connection	1/2" BSP
Delivery connection	1" BSP
Max operating flow (per pump)	1.8 l/s
Max operating pressure	3.1 bar
Closed valve pressure	3.4 bar
Maximum system pressure rating	10 bar
Speed	Fixed
IP rating	IP44
Motor power	0.55 kW
Weight	44 kg
Pressure vessels N° x [Litres]	N/A
Maximum operating temperature	23 °C

\*For high temperature application please contact the office.

### Set Performance



# DUTYPOINT

[www.dutypoint.com](http://www.dutypoint.com)

## Electrical Data

Supply Voltage/Φ/Hz
230/1/50
Per pump Current @ Full Load
3.9 A

## Model Codes

### FC1-05-005M

VQ - Variable Speed High Performance

FQ - Fixed Speed High Performance

FC - Fixed Speed Compact

Number of pumps

Nominal flow (m<sup>3</sup>/h)

Motor kW per pump

Power supply

## Technical Drawing

