

## FQ1-05-022T

### Product Description

Dutypoint Systems AirBREAK™ combined cat 5 break tank and fixed speed single pump booster system. Free-standing unit comprising an insulated polyethylene tank with 90L 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, PurgePRO™ automatic pressure vessel purging system, anti-seize protection. Unit also includes pump union, isolation and non-return valves, pressure vessel and pressure gauge.



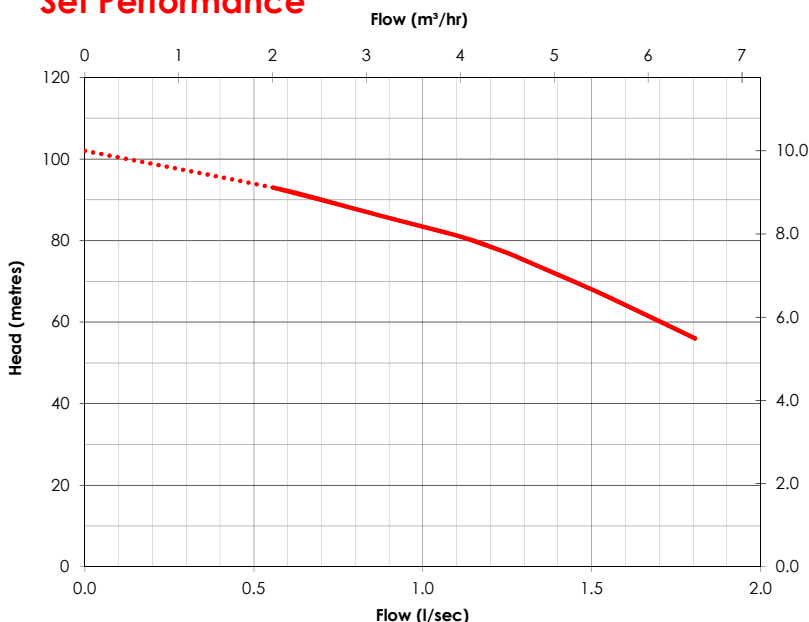
Accreditations	<ul style="list-style-type: none"> <li>- Water Regulations Category 5 backflow prevention compliant</li> <li>- KUK Reg4 Approved (non-wholesome use)</li> <li>- WRAS Approved (non-wholesome use)</li> </ul>
Control System	<ul style="list-style-type: none"> <li>- Conductivity probe tank level sensors</li> <li>- Electronic pump controller with adjustable start pressure</li> <li>- Anti seize function</li> </ul>
Protection	<ul style="list-style-type: none"> <li>- Low level protection against dry running</li> <li>- Pump protection MCB</li> <li>- PurgePRO™ auto pressure vessel purge function</li> </ul>
Available Factory Fitted Optional Extras*	<ul style="list-style-type: none"> <li>- High level alarm VFC</li> <li>- High temperature alarm VFC</li> <li>- Auto purge on high temperature function</li> <li>- Weir tray with waste pipe connection</li> <li>- 90L slave tank with inlet valves</li> </ul>
Available Accessories*	<ul style="list-style-type: none"> <li>- Weatherproof kiosk c/w stat and heater</li> <li>- GRP Drip Tray with level sensor</li> <li>- Pressure reducing valve for outlet pressure control</li> </ul>

### Specification

Suction connection	1" BSP
Delivery connection	1 1/4" BSP
Max operating flow (per pump)	1.8 l/s
Max operating pressure	9.1 bar
Closed valve pressure	10.0 bar
Maximum system pressure rating	16 bar
Speed	Fixed
IP rating	IP44
Motor power	2.2 kW
Weight	72 kg
Pressure vessels N° x [Litres]	1 x 8L
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
400/3/50
Per pump Current @ Full Load
4.4 A

## Model Codes

# FQ1-05-022T

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

