

WaterBox Model V

Automatic Irrigation Pumping System

WATERBOX
POWERED BY GRUNDFOS



APPLICATIONS

Automatic pumping system for small to medium turf and landscape irrigation systems



WaterBox Model V Pumping System

Why choose The WaterBox **Model V** Pumping System?

GRUNDFOS Horizontal Multi-Stage Centrifugal Pump

- Stainless steel impellers and volute case
- Inlet & Discharge are cast iron
- Corrosion & Wear resistant
- High efficiency
- Quiet operation
- Ease of service

GRUNDFOS Totally Enclosed Fan Cooled (TEFC) Electric Motor

- Sealed and greased for life motor bearings
- Over-sized drive bearing
- Quiet running

YASKAWA iQPump Micro Drive

- Auto Start on Pressure Drop
- Surge-free starting allows for slow pipe fill upon start-up
- VFD fault shutdown
- Auto restart
- Surge Protection
- Motor overload protection
- Low Pressure shut down
- High pressure shut down
- Loss of prime protection
- Optional 24VAC remote start

Marine Grade Aluminum Powder Coated Enclosure

- Low profile/compact design
- Large door opening with locking tab
- Internal power switch disconnect

Overall

- All hydraulic parts are stainless steel
- Turn key installation
- Easy to service

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| MODEL V ELECTRICAL DATA | |
|---------------------------------|------------|
| Pump/Motor | |
| Speed | 3500rpm |
| Supply Voltage | 220V ±10% |
| Supply frequency | 60Hz |
| Enclosure class | IP55 |
| Insulation class | Class F |
| Yaskawa iQPump VFD | |
| Voltage | 240V+/-10% |
| Phase | Single |
| Hz | 60 |
| IP rating | 56 |
| Maximum load current | 10A |
| Maximum motor size @ 240V input | 1.8kW |
| Surge protection | Varistor |

| MODEL V MATERIALS OF CONSTRUCTION | |
|-----------------------------------|--|
| Part | Material |
| Casing | Cast Iron |
| Impellers | 304 stainless steel |
| Stages (casing) | 304 stainless steel |
| Pump shaft | 316L stainless steel |
| Stage centring device | 304 stainless steel |
| Mechanical seal | Carbon/ceramic |
| O-rings | EPDM |
| Plugs | 316L stainless steel |
| Motor shell & lantern bracket | Aluminium with baked powder coat finish |
| Motor feet | Aluminum |
| Pump Plate | HDPE |
| Enclosure/cabinet | Aluminum with Sandstone Powder coat finish |
| Manifold/piping | 304 Stainless steel |

GENERAL SPECIFICATIONS

- 30 GPM @ 70PSI
- 7' Suction Lift
- 230VAC, Single Phase, 60HZ
- 20amp Switched Disconnect
- Marine Grade Aluminum Powder Coated Enclosure
- **YASKAWA** iQPump Controller
- **GRUNDFOS** Stainless Steel Pump
- **GRUNDFOS** TEFC Motor
- Stainless Steel Manifold

ADDITIONAL FEATURES

- Ships in 1 week or less
- Factory tested prior to shipment
- 2 year Bumper-To-Bumper Warranty

PERFORMANCE

