

Specification

Electrical

Voltage free contacts available on request for all B.M.S. applications.

*Enclosure

- Fibox EKH30-G type PC – solid
- 190mm x 190mm x 130mm
- Hi impact IP 67 rated
- Halogen free polycarbonate
- Non corrosive
- Total insulation
- 1.2mm galvanised detachable mounting plate
- Single pole earthed pate

*Switch

- Kraus & Naimer CA10 4 pole switch
- Approvals CCC,CSA,CUL,CULUS,RuMRS,UL
- Confirms to requirements BE,EN,CH,D,FI,IEC,N,OVE,S,VDE
- Rated operational voltage U_e 690 V
- Rated insulation voltage U_i 690 V
- 4 Point marked, Off, Pump 1, Pump 2, Auto. 48 mm front element
- I-Handle SO-S3 handle

*Electronic Recycle timer board

- Series 685B Recycle timer
- High current timing relay 24 hour recycle
- 10 amp 1/3 HP rated
- CMOS digital circuitry
- Repeat accuracy $\pm 0.25\%$
- Insulation r sistance 100 Megohms min
- Reset time 150ms
- Operating voltage tolerance $\pm 20\%$
- Input translucent protection 6000v 240v units
- Temperature ambients, operating -40 to +70
- Humidity operating 95% relative
- Inbuilt 10 Amp relay

*Digital display and temperature control

- Carel PJEZ
- 12 amp 2 H/P built in relay
- LED display
- Remote temperature sensor probe
- Settable parameters
- Alarm parameters for BMS

*24 hour timer

- Theben THE 64B
- Time switch interrupter
- Synchronous 24 hour dial
- 30 min settable parameters
- 240 Volt 50 Hz
- 16 Amp switching capacity
- Hi temp resistant fire proof thermoplastics.
- Protection class complies to EN 60 730-1
- Degree of protection IP20 and timer 26IP44 in accordance with EN60 529
- Complies to European Directives 73/23/ECH and 89/336 EEC (EMC Directive) and N1875

Assembly

- Complies to AS 3100
- Over seen and technical direction by A class electrician
- Test sample C.O.C. No : B1886279

General

- 10 amp max rating on box and GPO
- Pump max operating draw 1 amp each.
- Safety warning of voltage on enclosure
- 3 pin plug and double insulated flex to pumps and GPO as per AS3100
- Safety protection of all cable penetrations of sharp or cuttable surfaces.
- Stamped badge plate permanently attached to unit
- Manufactures detail on sticker to enclosure.
- Wiring diagram and electrical test certificate supplied with each unit
- Recommended for internal or weather protected areas only (protection covers available)

Mechanical

Mounting plate

- 3mm aluminum, non corrosive 5 bar tread plate
- 4 fold, 50 mm rise, 900mm x 350mm foot print
- Complies to : AS 1734

Bracketing and fixtures

- 316 Stainless Steel 8mm cap screws
- All fasteners drilled and tapped to mounting plate
- 316 Stainless Steel 30mm x 30mm x 6mm angle bracketing

- Drilled, machined and welded to headers
- Complies to ASTM A276 condition A

Manifolds

Flange

- 32mm
- 316 L Stainless Steel
- DN 32 Table D/E
- Butt welded
- Complies to AS 2129

Pipe

- 32mm
- 316 Stainless steel
- Seamless pipe
- Sched 10S or 2.71mm wall thickness
- Complies to ASTM A312M and NACE MR0175 and 6100 EFW

T.O.E. Nipples (threaded one end)

- 20mm and 32mm (depending on model)
- 316 Stainless Steel
- Sched 40S or 3.30mm wall thickness
- Complies to ISO 4144

Blind blanks

- 34mm stamped disc
- 316 stainless Steel
- 3mm thick
- Complies to ASTM A240M

Valves and fittings

- 20mm and 32mm (depending on model)
- D/Z brass ware
- Complies to AS 3688 1900

***Pumps**

- Grundfos exclusively
- UPS / B range (bronze housings with stainless steel impeller)
- 20 and 32
- Larger sizes available on request
- Brass unions
- To comply to AS/ NZS 3500
- Complies to AS 2417 grade 2

Badge plate

- Printed alloy
- Securely fastened to mounting plate

Permanently stamped information

- Model number
- Date of manufacture

- Serial number

Printed information

- Manufactures name, address and phone number
- Pump option
- Commissioning advice
- Product identification

Assembly

- Welding and technical direction by qualified tradesman, Boiler Maker Welder
- Machining and technical direction by qualified tradesman, Fitter And Turner
- Plumbing and technical direction By qualified licensed Plumbing contractor

Packaging

- Timber crated
- Clear pallet plastic wrapped
- Protective taped
- Branded and labeled

General

- Manifolds are bead blast cleaned and acid washed for potable water
- To comply to AS NZS3500
- Complies to AS 2417 Grade 2
- Hydraulically static tested to 1400 kpa
- Twice what would be considered normal operating pressure
- Max working pressure 1000kpa
- Size 900mm high x 350mm wide x 210mm deep
- Weight model 2/20 @ 18kg and model 2/32 @ 27kg

Safety

A current risk assessment must be in place whilst any process is being carried out with this equipment.

Introduction of this equipment to the water system is the responsibility of the client.

All risks must be identified, evaluated and dealt with safely and correctly to avoid any injury to people.

Any process of this equipment must be carried out by competent trained staff or a licensed service provider.

Suitable personal protective clothing must be worn during the usage of this item.

Warranty

This unit is guaranteed for 12 months from the completion of commissioning

If this can not be provided the warranty period will commence from the invoice date of sale.

It is the customers responsibility to provide this proof of purchase

We guarantee the workmanship and the integrity of the construction and soundness of the materials of manufacture for the entire warranty period.

All goods relating to warranty issues and claims must be returned to the manufacturer for assessment and repair.

No responsibility is taken for expenses incurred as a result of consequential damage.

Any costs incurred to carry this out are not claimable against this products warranty.

Consequential damages will not be considered with the installation or use of this product.

Repairs will not be released until any monies owing are settled.