



Designed to provide cold potable water at a constant pressure



Suitable for domestic, commercial & small industrial purposes



Quick & easy installation



IP 55 Protection



Quiet running



Alternating Start



LCD Display

### OVERVIEW

Ideal for domestic houses, schools, office blocks etc to provide a constant pressure / variable flow of cold water.

The inbuilt inverter adjusts the motor speed to the required system demands via the pipe-work mounted transducers.

### EB SERIES

The main applications that the Twin pump booster fits are:

- Domestic
- Irrigation
- Industry
- Commercial
- Light Industrial

### MCB CONTROL BOX

- Volt free contacts
- Low Water Connection
- Twin MCB's

### PIPEWORK

Suction and discharge manifolds are stainless steel with isolating valves to each pump suction, isolating and non return valves to each pump discharge, terminating in BSPM connections.

### PUMP

- Stainless steel, horizontal multistage.
- Motors are T.E.F.C. construction with class IP54 protection.
- 240/1ph/50Hz supply required.
- 2 pole (2900rpm)
- Pumps will have alternating start and auto changeover (via inverter).

### HYDRAULIC ACCUMULATOR

- 24 litres
- 10 Bar rated

### GAUGE

Unit comes complete with a 63mm dial gauge that constantly indicates output pressure.

### EMT INVERTOR FEATURES

- LCD Display
- Integrated LCD custom display gives easy overview of the operating condition
- Low water cut out feature via optional float switch
- Push button functions



Control Panel LCD Display

### BASE FRAME

Galvanised base plate

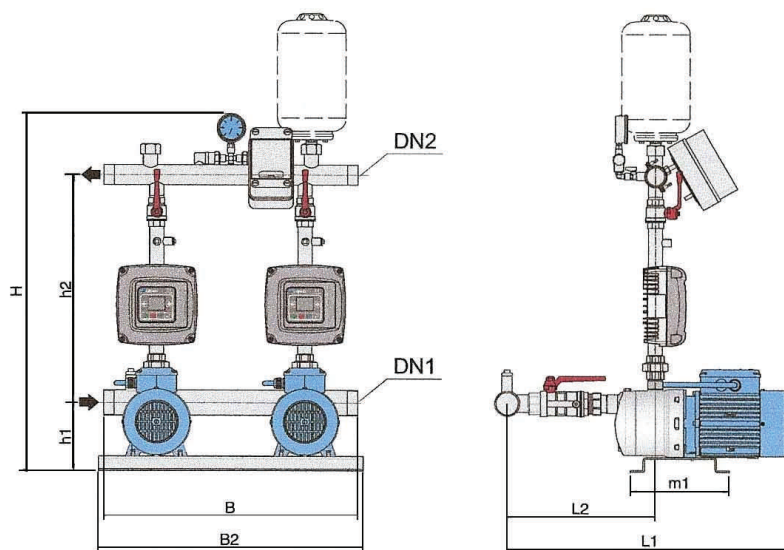
### STOKVIS ENERGY SYSTEMS

UNIT 34 CENTRAL PARK ESTATE, 34 CENTRAL AVENUE, WEST MOLESEY. SURREY. KT8 2QZ.

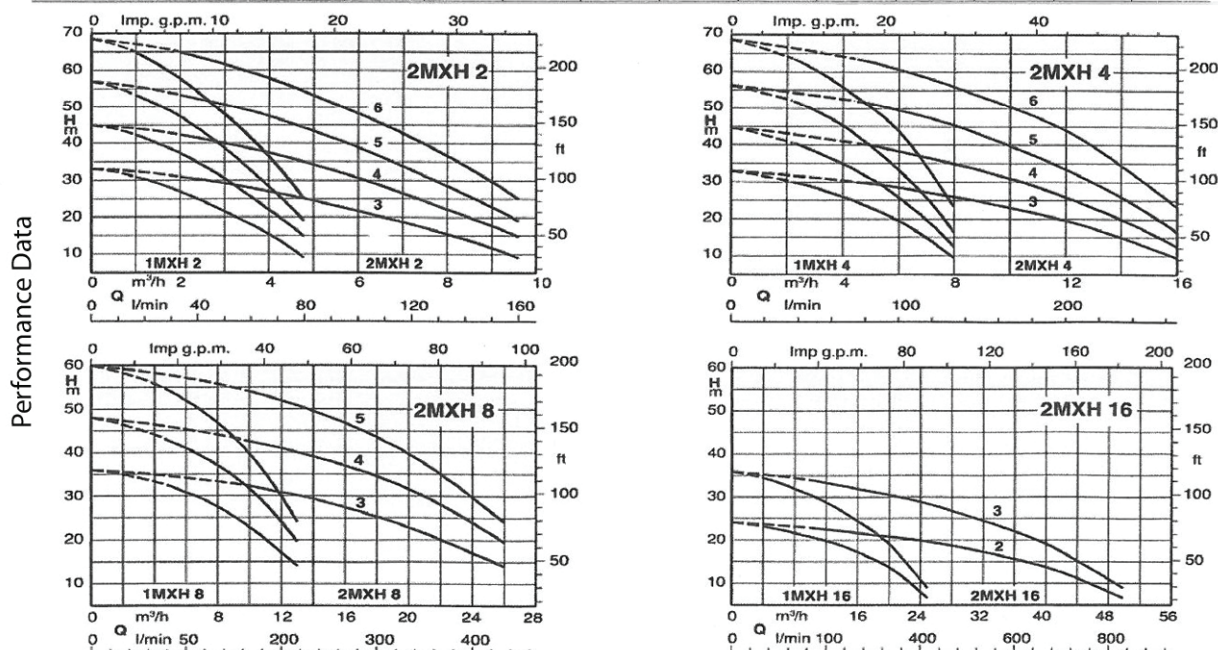
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Mains 230/1/50 Motor 230/3/50	P2		DN1	DN2	H*	mm						
	kW	hp				h1	h2	L1	L2	m1	B	B2
2MXH 203E-EMT-24	0.45	0.6	2"	1-1/2"	848	161	506	563	326	240	600	625
2MXH 204/A-EMT-24	0.55	0.75						613	350			
2MXH 205/A-EMT-24	0.75	1						637	374			
2MXH 206/A-EMT-24	1.1	1.5						661	398			
2MXH 403/A-EMT-24	0.55	0.75	2"	1-1/2"	848	161	506	589	326	240	600	625
2MXH 404/A-EMT-24	0.75	1						613	350			
2MXH 405/A-EMT-24	1.1	1.5						637	374			
2MXH 406-EMT-24	1.5	2						732	398			
2MXH 803-EMT-24	1.1	1.5	2-1/2"	2"	854	161	512	727	393	240	600	625
2MXH 804-EMT-24	1.5	2						757	423			
2MXH 805-EMT-24	1.8	2.5						787	453			
2MXH 1602-EMT-24	1.5	2						829	481			
2MXH 1603-EMT-24	1.8	2.5	3"	2-1/2"	882	151	551	829	481	240	600	625

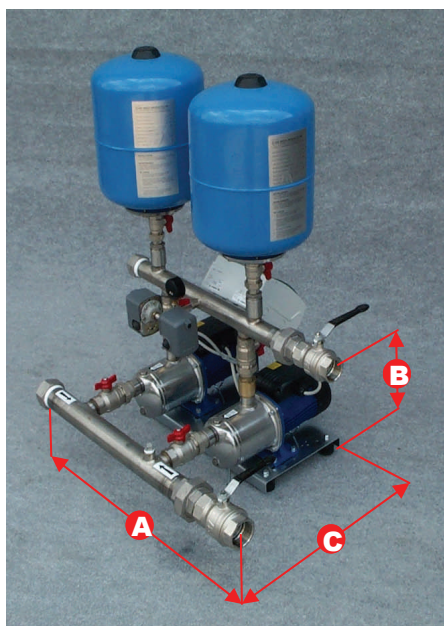

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-  Designed for reduced capitol cost..
-  Flexibility of installation.
-  Suction and delivery handing options
-  Stainless Steel pipework.
-  Alternating start.
-  Compact design.
-  Single phase and three phase versions available

#### BASE FRAME

Pressed steel base, BZP plated c/w rubber mounts.

#### MAIN PUMPS

2 No. stainless steel end suction pumps each capable of construction with class IP54 protection.

#### PIPEWORK

Suction and discharge manifolds in stainless steel complete with isolating valves to each pump suction, isolating and non return valves to each pump discharge, terminating in suction valve and discharge valve. Unit supplied c/w isolating valves & cap ends to facilitate flexibility of handling

#### HYDRAULIC ACCUMULATOR

2 No. 19 Ltr vessels, mild steel construction with powder coating protection complete with replaceable rubber bladder (m.w.p. 10 bar) c/w stainless steel flange.

#### PRESSURE SWITCHES

2 No. Pump control pressure switches.

#### GAUGES

1 No. system pressure gauge.

#### DIMENSIONS (MM)

UNIT TYPE	A	B	C	DNA	DNM
E-HM	600	480	620	2"	1 1/2"

#### DIMENSIONS (MM)

UNIT TYPE	A	B	C	DNA	DNM
ALL E-C UNITS EXCEPT	600	540	630	2"	1 1/2"
E-C1205(1) E-C12033(3)	600	540	630	2"	2"

#### CONTROL PANEL

- IP55 enclosure made of thermoplastic with clear door.
- Indicator lamps for: Power on, pump one run, pump two run and low water.
- Hand-off-auto switches for each pump.
- Electronic control board for: managing auto operation, automatic pump operation and minimum pump times for each pump (0-90 secs).

A float switch can be wired to prevent dry running. (Float switch optional—WRAS listed).

#### OPTIONAL EQUIPMENT

- WRAS listed pressure reducing valve, maximum inlet pressure 25 bar, outlet pressure range 0.5—6 bar.
- A WRAS listed low level float switch (cable type) complete with 10 m of cable.

#### PRESSURE REDUCING VALVE

A WRAS listed PRV is available adjustable between 0.5-6 Bar outlet pressure.

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Inverter pumps qualify for enhanced capital allowance scheme



Designed to provide cold potable water



Suitable for domestic, commercial & small industrial purposes



Quick & easy installation



IP 55 Protection



Quiet running



Alternating Start

## OVERVIEW

Ideal for domestic houses, schools, office blocks etc to provide a constant pressure / variable flow of cold water.

The inbuilt inverter adjusts the motor speed to the required system demands via the pipe-work mounted transducer.

## TEKNOSPEED

The main applications that the TKS Twin pump booster fits are:

- Domestic
- Irrigation
- Industry
- Commercial
- Light Industrial

## INVERTOR FEATURES

- LED lamps indicating status
- Low water cut out feature via optional float switch

## PUMP

- Stainless steel, end suction pump.
- Motors are T.E.F.C. construction with class IP54 protection.
- 240/1ph/50Hz supply required.
- 2 pole (2900rpm)
- All pumps have in built Technospeed Inverters
- Pumps will have alternating start and auto changeover.

## BASE FRAME

Fabricated from mild steel box section of welded construction. The rigid frame extends beyond the pipe-work to provide both strength and protection to the unit. Paint finish is a durable blue gloss

## HYDRAULIC ACCUMULATOR

- 1 off 60 litre
- Mild steel construction with powder coating protection complete with replaceable rubber bladder (m.w.p. 10bar) complete with stainless steel flange

## PIPEWORK

Suction and discharge manifolds are stainless steel with isolating valves to each pump suction, isolating and non return valves to each pump discharge, terminating in manifold valves

## GAUGE

- Complete with a 63mm dial gauge that constantly indicates output pressure.



*Vertical pump set (left hand build option)*

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-  Designed to provide cold potable water
-  Alternating start
-  Bespoke design to suit site requirements
-  Stainless Steel pipe-work
-  IP55 Control Panel
-  Optional electronic anti-surge feature
-  Pumps are WRAS approved

## INTRODUCTION

Flow Mech Products' FP variable speed booster sets are designed to deliver constant pressure water supply under widely variable flow demand. Sets are designed to suit the application.

## BASE FRAME

Fabricated from mild steel box section of welded construction. The rigid frame extends beyond the pipe-work to provide both strength and protection to the unit. Paint finish is a durable blue gloss.

## PIPEWORK

Suction and discharge manifolds are stainless steel with isolating valves to each pump suction, isolating and non-return valves to each pump discharge, terminating in manifold valves.

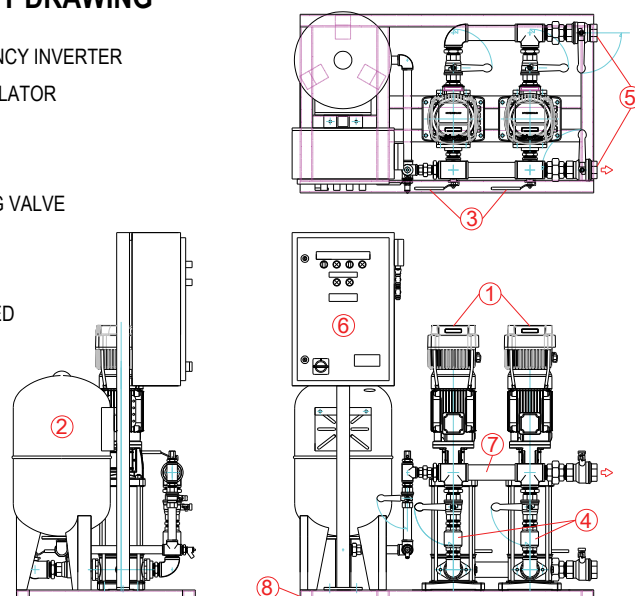
## PANEL

The panel will be IP55 protected. Terminal arrangements for:

- Low level cut-out
- Remote start/stop
- Volt free contacts for inverter trip
- All tested and set before leaving works
- Optional electronic anti-surge control on start/stop or low level lockout

## TYPICAL LAYOUT DRAWING

1. HYDROVAR FREQUENCY INVERTER
2. HYDRAULIC ACCUMULATOR
3. ISOLATION VALVE
4. NON-RETURN VALVE
5. MANIFOLD ISOLATING VALVE
6. CONTROL PANEL
7. 316 S/S PIPEWORK
8. BOX SECTION WELDED
9. BASEFRAME



*Typical Hydrovar Inverter*

## PUMPS

Pumps are WRAS approved, multistage or end suction and can be either vertical or horizontally mounted. All pumps are fitted with Hydrovar inverter drive control units.

## HYDRAULIC ACCUMULATOR

Vessel constructed from mild steel with a powder coating finish, complete with replaceable rubber bladder and stainless steel flange.

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-  Designed to provide cold potable water
-  Timed changeover
-  Numerous installation options
-  Sets available with 2, 3 or 4 pumps
-  Stainless Steel pipework
-  IP55 Control Panel
-  Industry leading pumps and inverters fitted

## INTRODUCTION

Flow Mech Products' VS variable speed booster sets are designed to deliver constant pressure water supply under widely variable flow demand. Sets are designed to suit the application. Incorporating Grundfos, Lowara or Wilo pumps and either Danfoss or ABB inverters.

## BASE FRAME

Fabricated from mild steel box section of welded construction. The rigid frame extends beyond the pipework to provide both strength and protection to the unit. Finished in a durable gloss paint.

## PIPEWORK

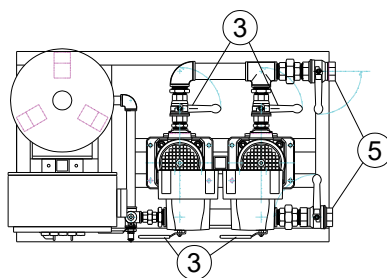
Suction and discharge manifolds are stainless steel with isolating valves to each pump suction, isolating and non-return valves to each pump discharge, terminating in manifold valves.

## PANEL

The panel will be IP55 protected. Incorporating:-

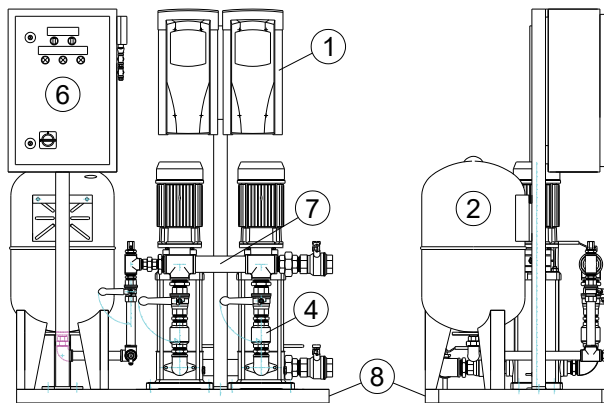
- Lamps for:
  - Power On
  - Low Level
  - Common Fault
- Volt free contacts for:
  - Low Level
  - Common Fault
- All tested and set before leaving works

## TYPICAL LAYOUT DRAWING



### KEY

1. FREQUENCY INVERTER
2. HYDRAULIC ACCUMULATOR
3. ISOLATION VALVES
4. NON RETURN VALVE
5. MANIFOLD ISOLATING VALVES
6. CONTROL PANEL
7. 316 S/S PIPEWORK
8. BOX SECTION WELDED BASEFRAME



## HYDRAULIC ACCUMULATOR

Vessel constructed from mild steel with a powder coating finish, complete with replaceable rubber bladder and stainless steel flange.

## PUMPS

Pumps are multistage or end suction and can be either vertical or horizontally mounted. All pumps can be "WRAS" approved if required.

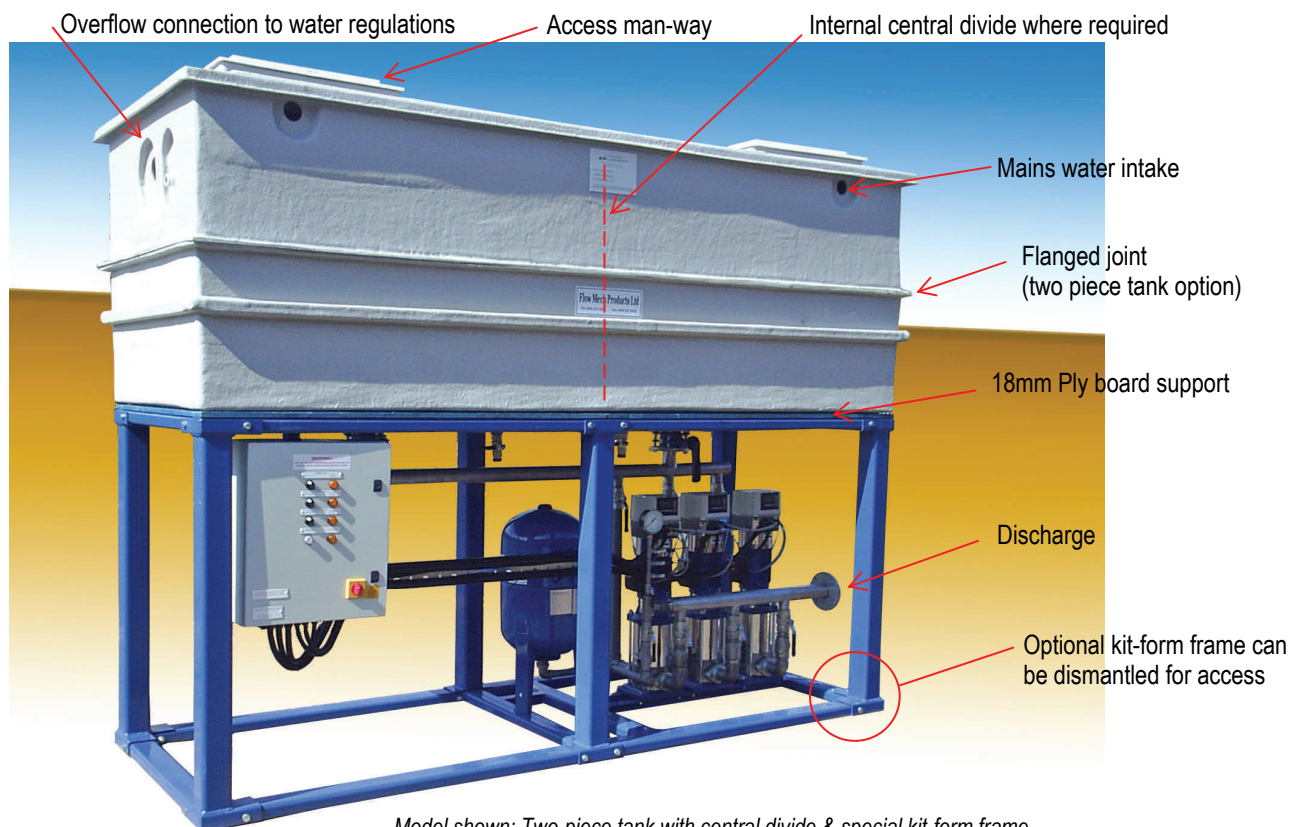
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-  Water Tanks up to 2900 litres can be mounted above pumps
-  Units built to suit access and system requirements
-  Special kit-form build option for projects with restricted access
-  Site positioning and kit-form assembly service available
-  Plant room space-saving potential
-  Design solutions provided for plant rooms with height restrictions
-  WRAS approved pre-insulated storage tanks as standard
-  Solid box section construction
-  Available as pressure switch or inverter driven operation.
-  Incorporating all standard features of either FP, VS or MF ranges



Standard one-piece tank above arrangement

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