

# HidroTank



technology  
drives the  
water

**2022/1** | PRODUCT  
**CATALOGUE**



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

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## General Sales Conditions

Our sales are subject only to the conditions specified in our order confirmation. All orders sent to **Hidrotank Ltd. Co.** imply acceptance and observance by the purchaser of the hereunder general sales conditions.

### 1. Orders and Delivery Terms

The sales contracts are understood to be always carried out at Hidrotank Ltd. Co. plants, regardless of where the order has been accepted. Orders placed by the purchaser or by any other type of intermediary are always subject to approval by Hidrotank. Upon receipt of the order confirmation, the purchaser is required to check all data given and to immediately communicate any discrepancies with respect to the order placed. The text of our order confirmation will prevail in any case over any other offers or orders and is considered accepted to all effects if no complaints are received from the purchaser within a maximum of 3 days from the confirmation date. A tolerance of ± 10% with respect to the overall quantity order at is permitted in the fulfilment of the order, unless an agreement has been reached and is quoted in our order confirmation, without this giving rise to price variations.

### 2. Shipment of Goods

Shipments are normally carried out by Hidrotank Ltd. Co. in accordance with the procedures specified in the order confirmation. If the purchaser withdraws the goods, said purchaser is to withdraw the goods from our warehouses on the date they are made available from our services. Once 3 days have passed from the date of communication of the goods being ready for delivery without the purchaser withdrawing the orders, Hidrotank Ltd. Co. is entitled to deliver the goods, charging the purchaser with transport costs. Prior to sending a vehicle for the withdrawal of the goods, the purchaser is obliged to agree with the Hidrotank Ltd. Co. Dispatching Department on the time and place of loading.

### 3. Transfer of Ownership and Risks

Unless agreed differently, with said agreement written on the order confirmation, ownership of the goods is transferred to the purchaser only and exclusively at the time of loading onto the carrier. Consequently the goods travel at the purchasers risk. Any problems arising from damage during transport and/or delays of any kind cannot be attributed to Hidrotank Ltd. Co. Any reservations and/or complaints connected with transport must be made by the purchaser to the carrier (as Hidrotank Ltd. Co. is not responsible for whatever happens to the order once it leaves its premises).

### 4. Packing

Hidrotank Ltd. Co. will provide for packing according to its experience methods normally adopted. The use of special packing or exclusion of must be explicitly requested by the purchaser at the time of the order and will be subject to negotiation with regards to cost.

### 5. Delivery Terms

The preparation, shipment and/or delivery times resulting from our order confirmation are only a guide and are not firm. The purchaser will decline the right to claim compensation for damages or termination, full or partial, of the contract. In all cases of lack of materials, electricity, machinery breakdown, interruptions in transport services, staff agitation, public calamities, etc. Hidrotank Ltd. Co. is exempt from all responsibilities for failure or delayed delivery.

### 6. Payment Conditions

Payment of our goods must be made net of all expenses, discounts and taxes in the terms agreed and given in our order confirmation. The place of payment as well as the issue of bills of exchange and receipts, are to all effects the domicile of Hidrotank Ltd. Co. Failure or delayed payment of our invoices will not only lead to interest charges, but will also lead to the advance payment of remaining invoices and to the purchaser having the right to claim compensation or indemnity.

### 7. Prices

The prices agreed or given in the sales confirmations are net of any charges and, if not otherwise specified, are ex-works Hidrotank Ltd. Co. Any variations in costs particularly of raw materials and labour, substantially affecting the price of product, which occur during the fulfilment of the contract, will authorize Hidrotank Ltd. Co. to revise prices in proportion to the increase. Hidrotank Ltd. Co. also has the right to revise prices when the delivery term is extended by the purchaser beyond the date already established by Hidrotank Ltd. Co.

### 8. Complaints

Complaints concerning quality or quantity, or goods not corresponding to our order confirmation, must be forwarded upon receipt of the goods, specifying the differences found in the transport document, and subsequently confirmed by registered letter within 7 days from receipt. If the complaint is promptly and properly forwarded, and considered to be founded after inspection by our technicians, Hidrotank Ltd. Co.'s obligations are confined to replacement or integration of the goods at the same place of delivery of the original supply after return of the mistaken goods; except for all rights on the part purchaser to demand termination of the contract. Complaints and protest do not give the purchaser the right to suspend payment of the invoice for the goods in question.

### 9. Warranty

A credit note will be issued for all tanks that have been accepted as defective by Hidrotank Ltd. Co. within 24 months from the date of production. The warranty does not apply if the defect is due to use the tank other than those specified in the authorized price list/catalogue or if the indicated maximum pressure and/or temperature values have been exceeded. All faulty tanks must be returned to Hidrotank Ltd. Co. at the expense of the sender. No extra cost will be acknowledged for faulty tanks (assembly-disassembly-transport-labour-etc.) besides the cost of the non-conforming product. We reserve the right to carry out, without advance warning all the changes that in our judgment represent an improvement of the product. Tolerance of the pre-charges is ± 0.2 bar of the specified value for the first 3 months from the date of production.

### 10. Jurisdiction

The court of Istanbul will be exclusively empowered to settle any disputes arising from the sales of contracts concluded by Hidrotank Ltd. Co.

### 11. Norms and Regulations

Expansion vessels and pressure tanks are subject to different norms and regulations in the countries where they are installed. The purchaser is responsible for respecting such norms and for using the proper models. Hidrotank Ltd. Co. totally declines any responsibility from any case where a tank has been mistakenly used.

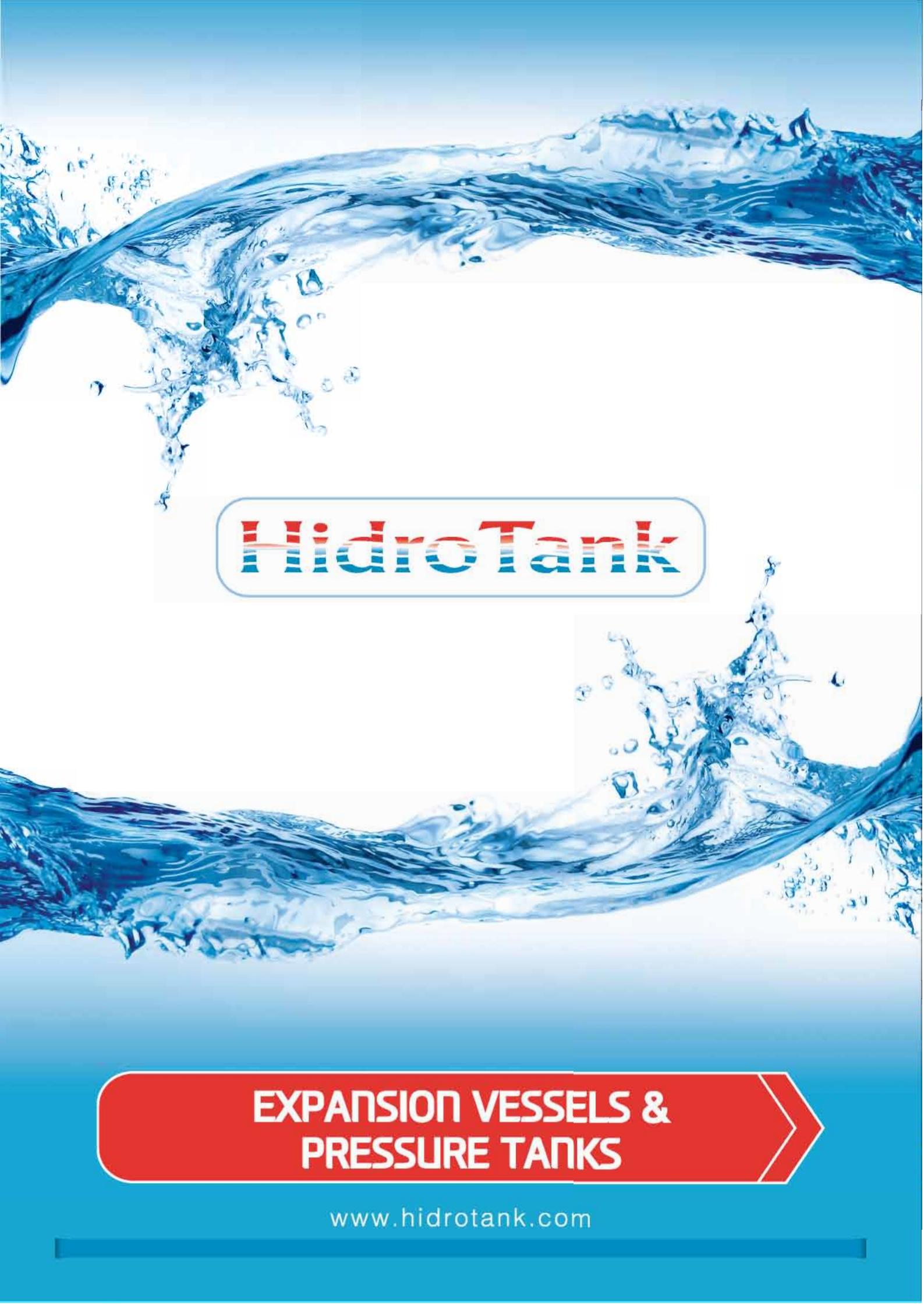


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TS EN ISO 9001:2008

<b>EXPANSION VESSELS &amp; PRESSURE TANKS</b> <b>4 - 11</b>	<b>PRESSURE TANK KITS</b> <b>12</b>	<b>SPARE PARTS</b> <b>13</b>	<b>EPDM MEMBRANES</b> <b>14</b>
			
<b>CIRCULATING PUMPS</b> <b>18 - 21</b>	<b>ELECTRONIC CIRCULATING PUMPS</b> <b>22 - 33</b>	<b>TWIN ELECTRONIC CIRCULATING PUMPS</b> <b>34 - 41</b>	<b>MVK SERIES VERTICAL MULTISTAGE BOOSTER SETS</b> <b>46 - 56</b>
			
<b>MV SERIES VERTICAL INLINE MULTISTAGE BOOSTER SETS</b> <b>58 - 67</b>	<b>MVK SERIES VERTICAL MULTISTAGE PUMPS</b> <b>68 - 71</b>	<b>MV SERIES VERTICAL INLINE MULTISTAGE PUMPS</b> <b>72 - 74</b>	<b>KP - DK - KPC SERIES CONTROL PANELS</b> <b>78 - 80</b>
			
<b>FIRE FIGHTING SETS ELECTRIC AND DIESEL</b> <b>82 - 84</b>	<b>PRESSURE SWITCHES</b> <b>86</b>	<b>FLOAT SWITCHES</b> <b>87</b>	<b>WASTE WATER CHECK VALVES</b> <b>88</b>
			
<b>PRESSURE GAUGES</b> <b>89</b>	<b>GALVANIZED STEEL FLEXIBLE HOSES</b> <b>90</b>	<b>BRASS FITTINGS</b> <b>91 - 92</b>	<b>BALL VALVES</b> <b>93 - 94</b>
			



**HidroTank**



**EXPANSION VESSELS &  
PRESSURE TANKS**

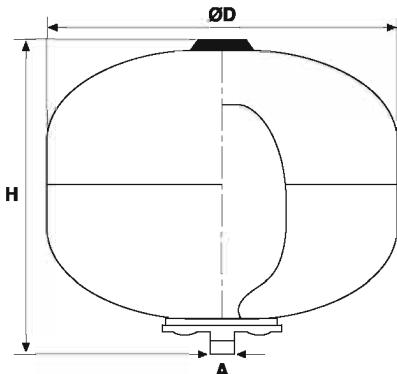
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### MULTIPURPOSE TANKS

All tanks can be used for both heating and pressure systems.



### DIMENSIONS



### TA SERIES (8 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0100.5001	TA 24/8	24	8 Bar	350	355	1"	EPDM	-10°C ~ +99°C

### TA SERIES (16 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0100.5002	TA 24/16	24	16 Bar	350	355	1"	EPDM	-10°C ~ +99°C

### TA SERIES (25 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0100.5003	TA 24/25	24	25 Bar	350	355	1"	EPDM	-10°C ~ +99°C

### STANDARD FEATURES

- Galvanized carbon steel counter flange (only for 8 bar)
- Special designed counter flange without welding (only for 8 bar)
- Replaceable EPDM membrane
- 2 bar pre-charge pressure
- Corrosion resistance powder coating



Special designed counter flange without welding.

### AVAILABLE FEATURES ON REQUEST

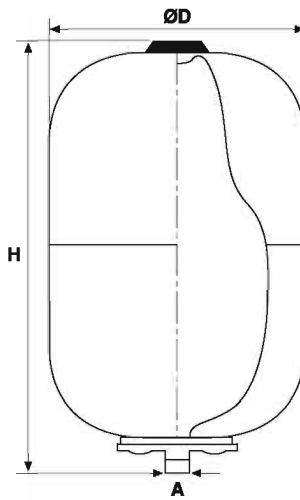
- Different color
- Different connection sizes
- Stainless steel counter flange
- Working temperature up to +110°C (peak)

### MULTIPURPOSE TANKS

All tanks can be used for both heating and pressure systems.



### DIMENSIONS



### TU SERIES (6 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0100.3008	TU 5/6	5	6 Bar	160	315	1/2"	EPDM	-10°C ~ +99°C
0100.3001	TU 8/6	8	6 Bar	220	300	1/2"	EPDM	-10°C ~ +99°C
0100.3002	TU 12/6	12	6 Bar	220	340	1/2"	EPDM	-10°C ~ +99°C

### TU SERIES (8 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0100.3003	TU 16/8	16	8 Bar	270	350	1"	EPDM	-10°C ~ +99°C
0100.3004	TU 20/8	20	8 Bar	270	415	1"	EPDM	-10°C ~ +99°C
0100.3005	TU 24/8	24	8 Bar	270	520	1"	EPDM	-10°C ~ +99°C

### TU SERIES (10 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0100.3006	TU 35/10	35	10 Bar	380	410	1"	EPDM	-10°C ~ +99°C
0100.3007	TU 50/10	50	10 Bar	380	575	1"	EPDM	-10°C ~ +99°C

### STANDARD FEATURES

- Galvanized carbon steel counter flange between 16 ~ 50 liter
- Special designed counter flange without welding between 16 ~ 50 liter
- Replaceable EPDM membrane
- 2 bar pre-charge pressure
- Corrosion resistance powder coating



Special designed counter flange without welding.

### AVAILABLE FEATURES ON REQUEST

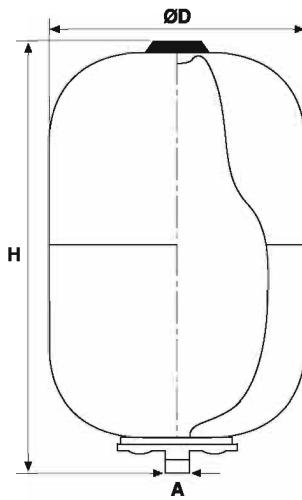
- Different color
- Different connection sizes
- Stainless steel counter flange
- Working temperature up to +110°C (peak)

#### MULTIPURPOSE TANKS

All tanks can be used for both heating and pressure systems.



#### DIMENSIONS



#### TU SERIES (16 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0100.3101	TU 8/16	8	16 Bar	220	300	1/2"	EPDM	-10°C ~ +99°C
0100.3102	TU 12/16	12	16 Bar	220	340	1/2"	EPDM	-10°C ~ +99°C
0100.3103	TU 16/16	16	16 Bar	270	350	1"	EPDM	-10°C ~ +99°C
0100.3104	TU 20/16	20	16 Bar	270	415	1"	EPDM	-10°C ~ +99°C
0100.3105	TU 24/16	24	16 Bar	270	520	1"	EPDM	-10°C ~ +99°C
0100.3106	TU 35/16	35	16 Bar	380	410	1"	EPDM	-10°C ~ +99°C
0100.3107	TU 50/16	50	16 Bar	380	575	1"	EPDM	-10°C ~ +99°C

#### TU SERIES (25 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0100.3201	TU 8/25	8	25 Bar	220	300	1/2"	EPDM	-10°C ~ +99°C
0100.3202	TU 12/25	12	25 Bar	220	340	1/2"	EPDM	-10°C ~ +99°C
0100.3203	TU 16/25	16	25 Bar	270	350	1"	EPDM	-10°C ~ +99°C
0100.3204	TU 20/25	20	25 Bar	270	415	1"	EPDM	-10°C ~ +99°C
0100.3205	TU 24/25	24	25 Bar	270	520	1"	EPDM	-10°C ~ +99°C
0100.3206	TU 35/25	35	25 Bar	380	410	1"	EPDM	-10°C ~ +99°C
0100.3207	TU 50/25	50	25 Bar	380	575	1"	EPDM	-10°C ~ +99°C

#### STANDARD FEATURES

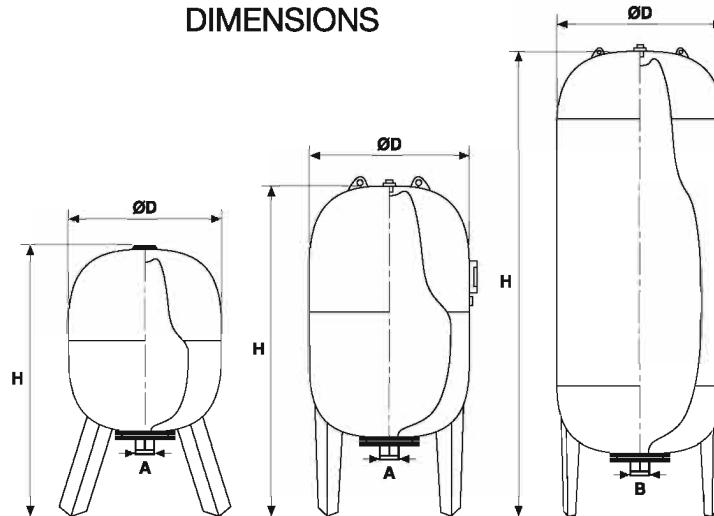
- ➡ Powder coated carbon steel flange
- ➡ Replaceable EPDM membrane
- ➡ 4 bar pre-charge pressure
- ➡ Corrosion resistance powder coating

#### AVAILABLE FEATURES ON REQUEST

- ➡ Different color
- ➡ Different connection sizes
- ➡ Stainless steel counter flange
- ➡ Working temperature up to +110°C (peak)

**MULTIPURPOSE  
TANKS**


All tanks can be used for both heating and pressure systems.


**DIMENSIONS**

**TD SERIES (10 BAR)**

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0100.1001	TD 35/10	35	10 Bar	380	620	1"	EPDM	-10°C ~ +99°C
0100.1002	TD 50/10	50	10 Bar	380	745	1"	EPDM	-10°C ~ +99°C
0100.1003	TD 60/10	60	10 Bar	380	870	1"	EPDM	-10°C ~ +99°C
0100.1004	TD 80/10	80	10 Bar	470	760	1"	EPDM	-10°C ~ +99°C
0100.1005	TD 100/10	100	10 Bar	470	870	1"	EPDM	-10°C ~ +99°C
0100.1006	TD 100/10	100	10 Bar	470	900	1"	EPDM	-10°C ~ +99°C
0100.1007	TD 150/10	150	10 Bar	640	970	1"	EPDM	-10°C ~ +99°C
0100.1008	TD 200/10	200	10 Bar	640	1080	1"	EPDM	-10°C ~ +99°C
0100.1009	TD 300/10	300	10 Bar	640	1240	1 1/2"	EPDM	-10°C ~ +99°C
0100.1010	TD 500/10	500	10 Bar	800	1400	1 1/2"	EPDM	-10°C ~ +99°C
0100.1011	TD 750/10	750	10 Bar	800	1700	2"	EPDM	-10°C ~ +99°C
0100.1012	TD 1000/10	1000	10 Bar	800	2200	2"	EPDM	-10°C ~ +99°C
0100.1013	TD 1500/10	1500	10 Bar	960	2450	2"	EPDM	-10°C ~ +99°C
0100.1014	TD 2000/10	2000	10 Bar	1100	2600	2"	EPDM	-10°C ~ +99°C
0100.1015	TD 2500/10	2500	10 Bar	1100	2800	2"	EPDM	-10°C ~ +99°C
0100.1016	TD 3000/10	3000	10 Bar	1200	2850	2 1/2"	EPDM	-10°C ~ +99°C
0100.1017	TD 4000/10	4000	10 Bar	1450	3100	3"	EPDM	-10°C ~ +99°C
0100.1018	TD 5000/10	5000	10 Bar	1450	3100	3"	EPDM	-10°C ~ +99°C

**STANDARD FEATURES**

- ➡ Galvanized carbon steel counter flange up to 200 liter
- ➡ Special designed counter flange without welding between 35 ~ 200 liter
- ➡ Powder coated carbon steel flange between 300 ~ 5000 liter
- ➡ Replaceable membrane
- ➡ 4 bar pre-charge pressure (2 bar for TD 35/10 and TD 50/10)
- ➡ Corrosion resistance powder coating

**AVAILABLE FEATURES ON REQUEST**

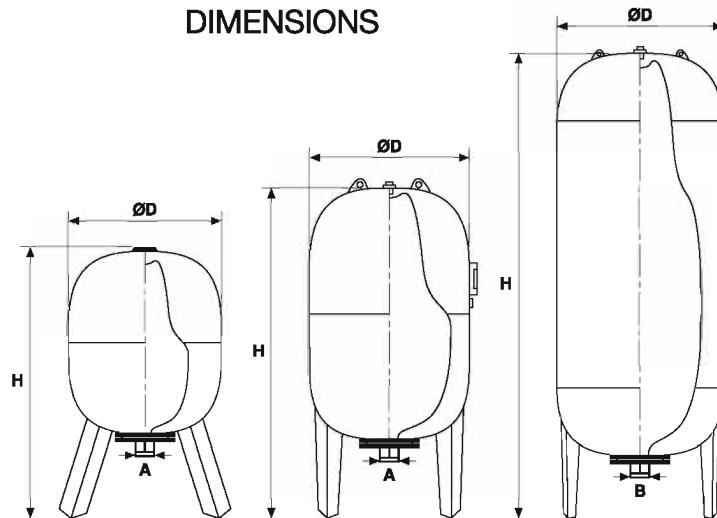
- ➡ Pressure gauge
- ➡ Different color
- ➡ Different connection sizes
- ➡ Stainless steel counter flange
- ➡ Working temperature up to +110°C (peak)

#### MULTIPURPOSE TANKS

All tanks can be used for both heating and pressure systems.



#### DIMENSIONS



#### TD SERIES (16 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0150.1001	TD 50/16	50	16 Bar	380	745	1"	EPDM	-10°C ~ +99°C
0150.1002	TD 60/16	60	16 Bar	380	870	1"	EPDM	-10°C ~ +99°C
0150.1003	TD 80/16	80	16 Bar	470	760	1"	EPDM	-10°C ~ +99°C
0150.1004	TD 100/16	100	16 Bar	470	900	1"	EPDM	-10°C ~ +99°C
0150.1005	TD 150/16	150	16 Bar	640	970	1"	EPDM	-10°C ~ +99°C
0150.1006	TD 200/16	200	16 Bar	640	1080	1"	EPDM	-10°C ~ +99°C
0150.1007	TD 300/16	300	16 Bar	640	1240	1 1/2"	EPDM	-10°C ~ +99°C
0150.1008	TD 500/16	500	16 Bar	800	1400	1 1/2"	EPDM	-10°C ~ +99°C
0150.1009	TD 750/16	750	16 Bar	800	1700	2"	EPDM	-10°C ~ +99°C
0150.1010	TD 1000/16	1000	16 Bar	800	2200	2"	EPDM	-10°C ~ +99°C
0150.1011	TD 1500/16	1500	16 Bar	960	2450	2"	EPDM	-10°C ~ +99°C
0150.1012	TD 2000/16	2000	16 Bar	1100	2600	2"	EPDM	-10°C ~ +99°C

#### STANDARD FEATURES

- ▶ Powder coated carbon steel flange
- ▶ Replaceable EPDM membrane
- ▶ 4 bar pre-charge pressure
- ▶ Corrosion resistance powder coating

#### AVAILABLE FEATURES ON REQUEST

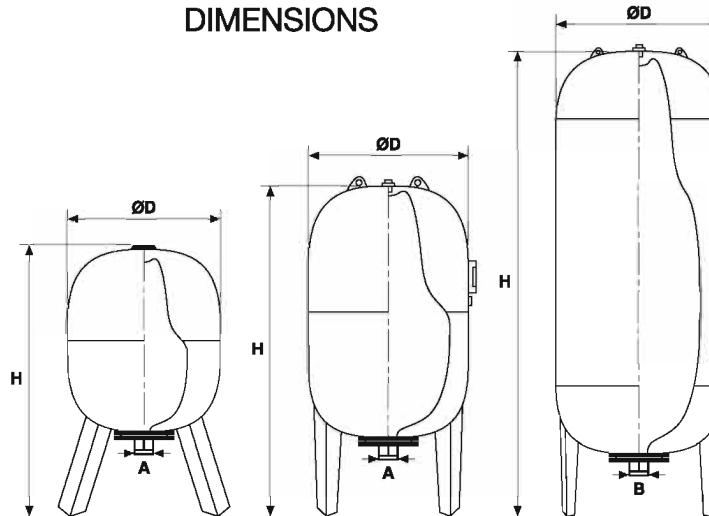
- ▶ Pressure gauge
- ▶ Different color
- ▶ Different connection sizes
- ▶ Stainless steel counter flange
- ▶ Working temperature up to +110°C (peak)

### MULTIPURPOSE TANKS

All tanks can be used for both heating and pressure systems.



### DIMENSIONS



### TD SERIES (25 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0151.1004	TD 100/25	100	25 Bar	470	900	1"	EPDM	-10°C ~ +99°C
0151.1005	TD 150/25	150	25 Bar	640	970	1"	EPDM	-10°C ~ +99°C
0151.1006	TD 200/25	200	25 Bar	640	1080	1"	EPDM	-10°C ~ +99°C
0151.1007	TD 300/25	300	25 Bar	640	1240	1 1/2"	EPDM	-10°C ~ +99°C
0151.1008	TD 500/25	500	25 Bar	800	1400	1 1/2"	EPDM	-10°C ~ +99°C
0151.1009	TD 750/25	750	25 Bar	800	1700	2"	EPDM	-10°C ~ +99°C
0151.1010	TD 1000/25	1000	25 Bar	800	2200	2"	EPDM	-10°C ~ +99°C

### STANDARD FEATURES

- Powder coated carbon steel flange
- Replaceable EPDM membrane
- 4 bar pre-charge pressure
- Corrosion resistance powder coating

### AVAILABLE FEATURES ON REQUEST

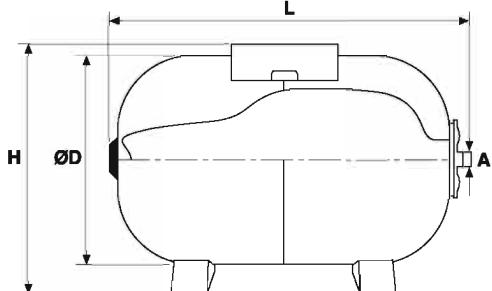
- Pressure gauge
- Different color
- Different connection sizes
- Stainless steel counter flange
- Working temperature up to +110°C (peak)

#### MULTIPURPOSE TANKS

All tanks can be used for both heating and pressure systems.



#### DIMENSIONS



#### TY SERIES (8 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0100.2001	TY 24/8	24	270	510	310	1"	EPDM	-10°C ~ +99°C

#### TY SERIES (10 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0100.2002	TY 50/10	50	380	550	410	1"	EPDM	-10°C ~ +99°C
0100.2003	TY 60/10	60	380	660	410	1"	EPDM	-10°C ~ +99°C
0100.2004	TY 80/10	80	470	650	510	1"	EPDM	-10°C ~ +99°C
0100.2005	TY 100/10	100	470	710	510	1"	EPDM	-10°C ~ +99°C

#### STANDARD FEATURES

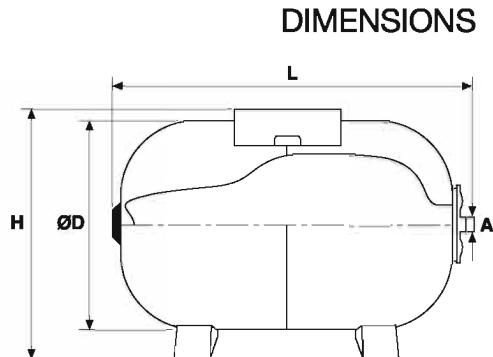
- ▶ Galvanized carbon steel counter flange
- ▶ Special designed counter flange without welding
- ▶ Replaceable EPDM membrane
- ▶ 2 bar pre-charge pressure for TY 24/8 and TY 50/10
- ▶ 4 bar pre-charge pressure for TY 60/10, TY 80/10 and TY 100/10
- ▶ Corrosion resistance powder coating

#### AVAILABLE FEATURES ON REQUEST

- ▶ Different color
- ▶ Different connection sizes
- ▶ Stainless steel counter flange
- ▶ Working temperature up to +110°C (peak)



Special designed counter flange without welding.



### TY SERIES (16 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0130.0005	TY 24/16	24	270	510	310	1"	EPDM	-10°C ~ +99°C
0130.0001	TY 50/16	50	380	550	410	1"	EPDM	-10°C ~ +99°C
0130.0006	TY 60/16	60	380	660	410	1"	EPDM	-10°C ~ +99°C
0130.0002	TY 80/16	80	470	650	510	1"	EPDM	-10°C ~ +99°C
0130.0003	TY 100/16	100	470	710	510	1"	EPDM	-10°C ~ +99°C

### TY SERIES (25 BAR)

PRODUCT CODE	MODEL	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	DIAMETER (mm)	HEIGHT (mm)	CONNECTION SIZE	MEMBRANE	WORKING TEMPERATURE
0132.0005	TY 24/25	24	270	510	310	1"	EPDM	-10°C ~ +99°C
0132.0001	TY 50/25	50	380	550	410	1"	EPDM	-10°C ~ +99°C
0132.0003	TY 100/25	100	470	710	510	1"	EPDM	-10°C ~ +99°C

### STANDARD FEATURES

- ▶ Galvanized carbon steel counter flange
- ▶ Special designed counter flange without welding
- ▶ Replaceable EPDM membrane
- ▶ 2 bar pre-charge pressure for TY 24/8 and TY 50/10
- ▶ 4 bar pre-charge pressure for TY 60/10, TY 80/10 and TY 100/10
- ▶ Corrosion resistance powder coating

### AVAILABLE FEATURES ON REQUEST

- ▶ Different color
- ▶ Different connection sizes
- ▶ Stainless steel counter flange
- ▶ Working temperature up to +110°C (peak)



#### 24 LITER KIT

**PRODUCT CODE : 0160.0001**

- TA 24 Pressure Tank
- Hidro Ø 50 Pressure Gauge
- 5 Way Fittings - 1"
- Hidro 1-5 Bar Pressure Switch



#### 50 LITER VERTICAL KIT

**PRODUCT CODE : 0160.0004**

- TD 50 Pressure Tank
- Hidro Ø 50 Pressure Gauge
- 5 Way Fittings - 1"
- Hidro 1-5 Bar Pressure Switch
- Flexible Hose - 1" 70 cm



#### 100 LITER VERTICAL KIT

**PRODUCT CODE : 0160.0009**

- TD 100 Pressure Tank
- Hidro Ø 50 Pressure Gauge
- 5 Way Fittings - 1"
- Hidro 1-5 Bar Pressure Switch
- Flexible Hose - 1" 100 cm



#### 24 LITER HORIZONTAL KIT

**PRODUCT CODE : 0160.0002**

- TY 24 Pressure Tank
- Hidro Ø 50 Pressure Gauge
- 5 Way Fittings - 1"
- Hidro 1-5 Bar Pressure Switch
- Flexible Hose - 1" 60 cm



#### 50 LITER HORIZONTAL KIT

**PRODUCT CODE : 0160.0003**

- TY 50 Pressure Tank
- Hidro Ø 50 Pressure Gauge
- 5 Way Fittings - 1"
- Hidro 1-5 Bar Pressure Switch
- Flexible Hose - 1" 70 cm



#### 100 LITER HORIZONTAL KIT

**PRODUCT CODE : 0160.0010**

- TY 100 Pressure Tank
- Hidro Ø 50 Pressure Gauge
- 5 Way Fittings - 1"
- Hidro 1-5 Bar Pressure Switch
- Flexible Hose - 1" 100 cm





**PV 10**  
**PRECHARGE VALVE**



**MFG 200**  
**MEMBRANE FIXING ROD**



**MFB 35**  
**MEMBRANE FIXING ROD**



**CF 02**  
**COUNTER FLANGE**



**CF 03**  
**COUNTER FLANGE**



**MFG 30**  
**MEMBRANE FIXING ROD**

### 6-8-10 BAR

PRODUCT CODE	MODEL	DESCRIPTION
5250.0004	<b>CF 01</b>	1/2" Counter flange (for 2 ~12 liter tanks)
5250.0001	<b>CF 02</b>	1" Counter flange without welding (for 16 ~ 200 liter tanks)
5070.0010	<b>CF 03</b>	1 1/2" Counter flange (for 300-500 liter tanks)
5070.0015	<b>CF 07</b>	2" Counter flange (for 750-1000 liter tanks)
5070.0016	<b>CF 09</b>	2" Counter flange (for 1500-2000 liter tanks)
5130.0012	<b>MFB 35</b>	Membrane fixing rod - 3/4" (brass)
5130.0007	<b>MFG 30</b>	Membrane fixing rod - 3/4" (galvanized)
5130.0009	<b>MFG 200</b>	Membrane fixing rod long - 3/4" (galvanized)
5020.0001	<b>PV 10</b>	Precharge valve

### 16 BAR

PRODUCT CODE	MODEL	DESCRIPTION
5250.0008	<b>CF 04</b>	1/2" Counter flange (for 2 ~12 liter tanks)
5070.0004	<b>CF 05</b>	1" Counter flange without welding (for 16 ~ 150 liter tanks)
5070.0012	<b>CF 08</b>	1 1/2" Counter flange (for 200 ~ 500 liter tanks)
5070.0015	<b>CF 07</b>	2" Counter flange (for 750-1000 liter tanks)
5070.0016	<b>CF 09</b>	2" Counter flange (for 1500-2000 liter tanks)
5130.0012	<b>MFB 35</b>	Membrane fixing rod - 3/4" (brass)
5130.0007	<b>MFG 30</b>	Membrane fixing rod - 3/4" (galvanized)
5130.0009	<b>MFG 200</b>	Membrane fixing rod long - 3/4" (galvanized)
5020.0001	<b>PV 12</b>	Precharge valve



750/1000 - 1000/1500

PRODUCT CODE	VOLUME (Liter)	MAXIMUM WORKING PRESSURE	TYPE	CONNECTION DIAMETER (mm)	LEINGTH (mm)
4010.0007	2/3	25 Bar	Bag type	45	135
4010.0001	5/8	25 Bar	Bag type	45	155
4010.0012	8/12	25 Bar	Bag type	45	200
4010.0006	19/24	25 Bar	Bag type	80	260
4010.0009	35/50	25 Bar	Bag type	80	335
4010.0014	80/100	25 Bar	Double volume - Without hole	80	630
4010.0013	80/100	25 Bar	Double volume - With hole	80	630
4010.0002	100/150	25 Bar	Double volume - With hole	80	730
4010.0004	150/200	25 Bar	Double volume - With hole	80	810
4010.0015	150/250	25 Bar	Double volume - With hole	80	960
4010.0008	200/300	25 Bar	Double volume - With hole	148	1000
4010.0010	500/750	25 Bar	Double volume - With hole	148	1350
4010.0011	750/1000	25 Bar	Double volume - Hooded	148	1850
4010.0003	1000/1500	25 Bar	Double volume - Hooded	200	2100
4030.0001	2000	25 Bar	Double volume - Hooded	200	2200
-	2500	25 Bar	-	-	-
-	3000	25 Bar	-	-	-
-	4000	25 Bar	-	-	-
-	5000	25 Bar	-	-	-
-	10000	25 Bar	-	-	-

**CONFORMITY TO TYPE BASED ON PRESSURE EQUIPMENT  
QUALITY ASSURANCE OF THE PRODUCTION PROCESS  
MODULE D****Certificate Number** : CAC-P-0002-01**Manufacturer** : Hidrotank Hidrofor ve Genleşme Tankı Üretim İnşaat Sanayi Ticaret Limited Şirketi**Manufacturer Adress** : Yunus Emre Mah. Süleymaniye Sk. No:14A Sancaktepe / İstanbul / TURKEY**Related Directives** : 2014/68/EU Pressure Equipment Directive**Production Scope** : Closed Expansion Tanks (Vessels) With Membrane Defined in Attached Annex**Type Examination Cert. No/Date/NB** : PED-C-0026/14 / 24.03.2014 / 2138

The quality system of the company mentioned above has been examined and it has been proved that the system meets the applicable requirements of the Pressure Equipment Directive 2014/68/EU according to Annex III Part 5. This certificate is valid only with the type examination certificates. If type examination certificate is not valid this certificate automatically losses its validity. This certificate has an Annex-1 showing the details of the products in the scope.

This certificate remains valid for 3 years subject to satisfactory maintenance of system and CAC has right to perform unannounced audits and surveillance audits to check the competency to directive. You can check currency of this certificate on [www.conasce.com](http://www.conasce.com). This certificate remains the property of CAC Conformity Assessment Center d.o.o. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 10 years from the registration of certificate. The above named firm must notify all changes related with the approved type to CAC. If CAC will not renew expiry date of this certificate the above named firm will stop the supply of product to market.

**Issue date** : 02.04.2021**Re-issue date** : 01.04.2022**Validity date** : 01.04.2023**Expiration date / period** : 24.03.2024 / 3 years**Notified body number** : 2828

CAC Conformity Assessment Center d.o.o.  
Radnička cesta 54/R3 10000 Zagreb Croatia info@conasce.com +385 (1) 4819 601



**TÜRK STANDARDLARI ENSTİTÜSÜ**  
**TÜRK STANDARDLARINA UYGUNLUK BELGESİ**  
**TURKISH STANDARDS INSTITUTION**  
**CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Tamamı  
Description of the Mark  
**TSE** ve ya veya **TSE**

<b>BELGE NUMARASI</b> REFERENCE NUMBER OF LICENCE	012719-TSE-01/02
<b>BELGENİN İLK VERİLİŞ TARİHİ</b> DATE OF FIRST ISSUE OF LICENCE	05.01.2015
<b>BELGENİN SON GEÇERLİLİK TARİHİ</b> LICENCE VALID UNTIL	05.01.2023
<b>BELGE SAHİBİ KURULUŞUN ADI</b> NAME OF THE LICENCE HOLDER	HİDROTANK HİDROFOR VE GENLEŞME TANKİ ÜRETİM İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ
<b>BELGE SAHİBİ KURULUŞUN ADRESİ</b> ADDRESS OF THE LICENCE HOLDER	YUNUS EMRE MAH. SÜLEYMANİYE SK. NO:14 A SANCaktepe İSTANBUL/TÜRKİYE
<b>ÜRETİM YERİ ADI</b> NAME OF THE MANUFACTURING PLACE	HİDROTANK HİDROFOR VE HİDROFOR GENLEŞME TANKİ ÜRETİM SANAYİ İNŞAAT TİCARET LTD. ŞTİ.
<b>ÜRETİM YERİ ADRESİ</b> ADDRESS OF THE MANUFACTURING PLACE	YUNUS EMRE MAH. PARSEL SOK. NO:46/1A SANCaktepe İSTANBUL / TÜRKİYE
<b>İPTAL EDİLEN BELGE NUMARASI (Varsa)</b> INDICATION OF SUPERSEDED LICENCE (if any)	012719-TSE-01/01
<b>TESLİMİ TİCARİ MARKASI</b> REGISTERED TRADE MARK	HİDROTANK
<b>İLGİLİ TÜRK STANDARDI</b> RELATED TURKISH STANDARD	TS EN 13831 / 09.11.2010
<b>BELGE KAPSAMI</b> SCOPE OF LICENCE	<p>• KAPALI GENLEŞME TANKLARI-DİYAFRAMLI (SU TESİSATLARI İÇİN) TEK Veya SERİ OLARAK ÜRETilen, KİSMEN Veya TAMAMEN (SOĞUK) DERİN ÇEKME PARÇALARDAN OLUŞAN, PARÇALARI KAYNAKL A BİRLEŞTİRİLEN, BOYUTLARI SINIRLANDIRMAMIŞ OLAN, BASINCI 10 BAR (DAHİL)'DEN 25 BAR (DAHİL'E KADAR, HACMI 19 LİTRE (DAHİL)'DEN 5000 LİTRE (DAHİL'E KADAR</p>

e-imzali/e-signed

05.01.2022

Belgelendirme Merkezi Başkanı Adına  
AHMET NURSİ KARTAL

TSE İSTANBUL BELGELENDİRME MÜDÜRÜ

\*Bu belge, belgelendirme merkezi, legim yemini Eriştütümüzi belirttiği şarttan kararlılığıyla geçerlidir.

\*Bu belge, legim yemini şartını sağlayamaz, kâsiyen veya okumusun zorlaştıracak gelişimler doğuramaz. \*Eşane ve efsa, zorlamaz.

\*TSE İSTANBUL BELGELENDİRME MERKEZİ DİYAFRAMLı Adres: Çayırbaşı, Tren İstasyonu, Yarı Çayırova-JİGEBZE \* Telefon: 2627231273\* Faks: 2627231606

\*TSE BELGELENDİRME MERKEZİ BAŞKANLIĞI, Adres: Niğdebaşı Cad. No: 112.00.00 Bakanlıklar/KARA – Telefon: 0 312 416 64 81/4 416 64 27, Faks: 0 312 416 68 17, E-posta: tmb@tse.org.tr , web : www.tse.org.tr

<https://cvrakkontrol.tse.org.tr/BelegeDogrulama.aspx?p=kyiwvmj2> adımdan belgenin doğruluğunu ve geçerliğini sorulayınız.



1 / 1



Water is life  
**MASTER<sup>®</sup>**  
Pumps

## CIRCULATING PUMPS

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



#### DESCRIPTION

Master circulators are suitable for domestic and industrial heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems. All YMN series circulating pumps have single phase wet rotor motor with three speed.

#### TECHNICAL INFORMATION

➡ Voltage (Single phase)	: 1N~50-60 Hz 230 V±%10
➡ Liquid temperature range	: -10 ~ +120°C
➡ Max working pressure	: 10 Bar
➡ Protection level	: IP 44
➡ Insulation class	: H
➡ Installation	: Motor axis horizontal



#### SINGLE PHASE MODELS

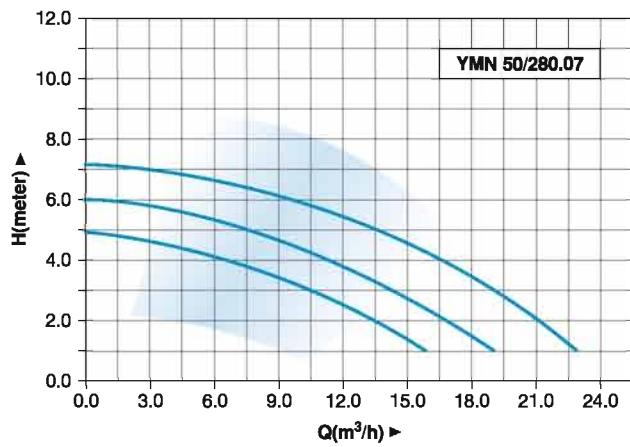
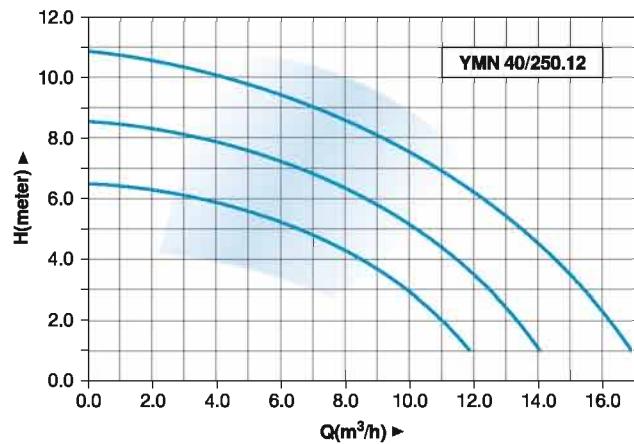
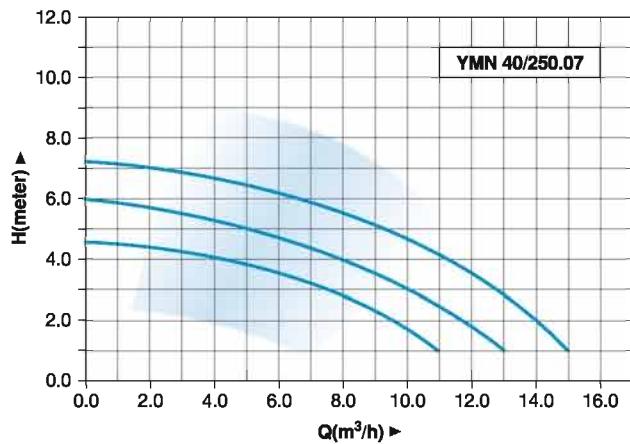
PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	ROTATION (rpm)	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
202.001	<b>YMN 40/250.07</b>	250	DN 40	1 ⇒ 1.550 2 ⇒ 2.570 3 ⇒ 2.800	180 250 300	1X230	15.0	7.1
202.002	<b>YMN 40/250.12</b>	250	DN 40	1 ⇒ 1.520 2 ⇒ 2.300 3 ⇒ 2.850	290 450 550	1X230	17.0	10.9
202.003	<b>YMN 50/280.07</b>	280	DN 50	1 ⇒ 1.950 2 ⇒ 2.700 3 ⇒ 2.840	350 490 580	1X230	23.0	7.1

#### STRUCTURAL FEATURES

- ➡ Wet rotor motor
- ➡ 3 speed operation
- ➡ Flanged connections (PN6 and PN10 are compatible)
- ➡ Single phase motors

#### MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer
Rotor sleeve	Stainless steel





#### DESCRIPTION

Master circulators are suitable for domestic and industrial heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems. All ACR series circulating pumps have three phase wet rotor motor with three speed.

#### TECHNICAL INFORMATION

■ Voltage (Three phase)	: 3N~50-60 Hz 400 V±%10
■ Liquid temperature range	: -10 ~ +120°C
■ Max working pressure	: 10 Bar
■ Protection level	: IP 44
■ Insulation class	: H
■ Installation	: Motor axis horizontal



#### THREE PHASE MODELS

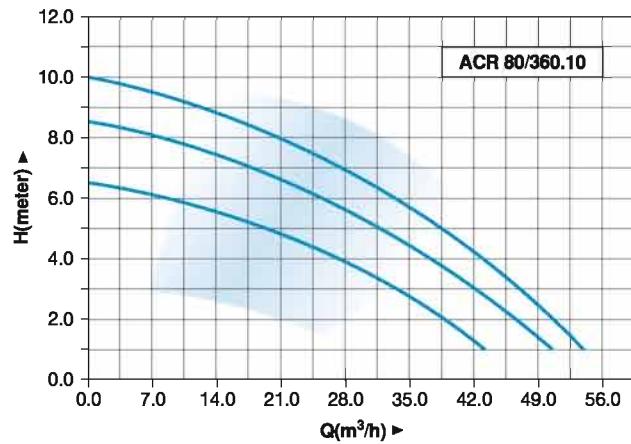
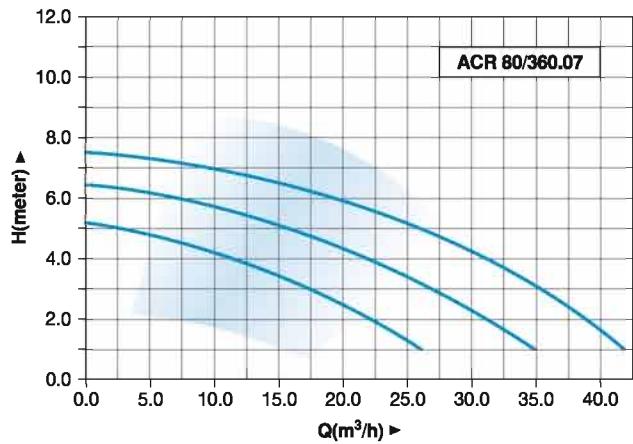
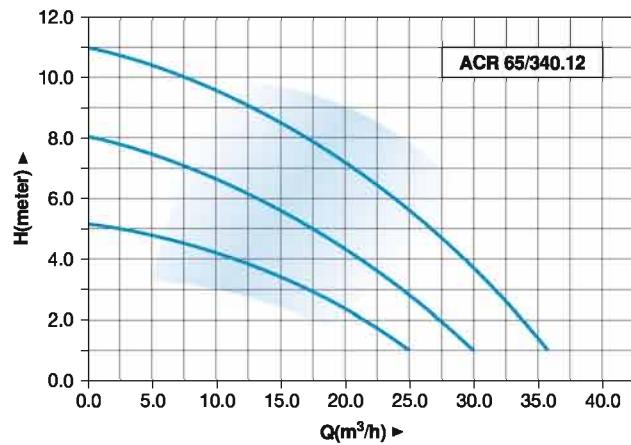
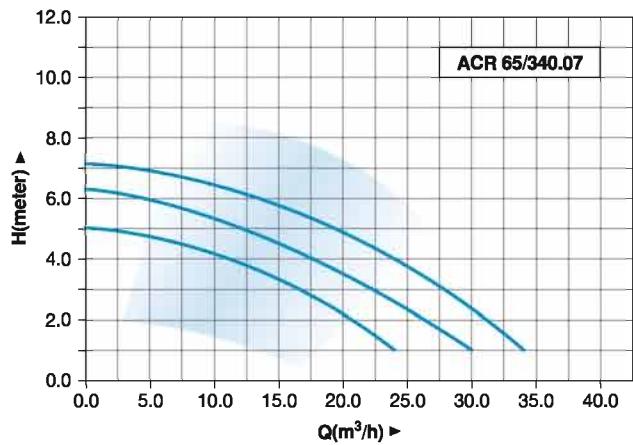
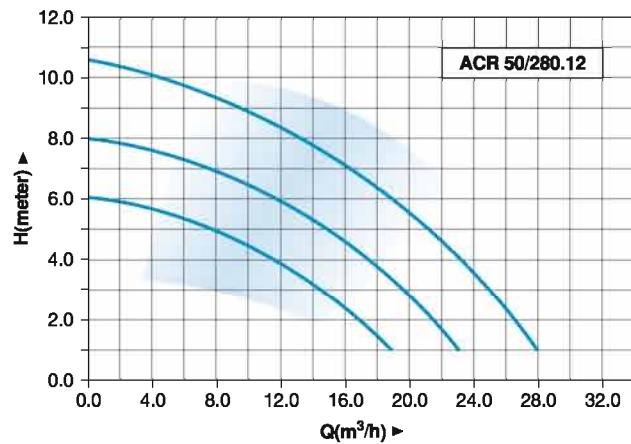
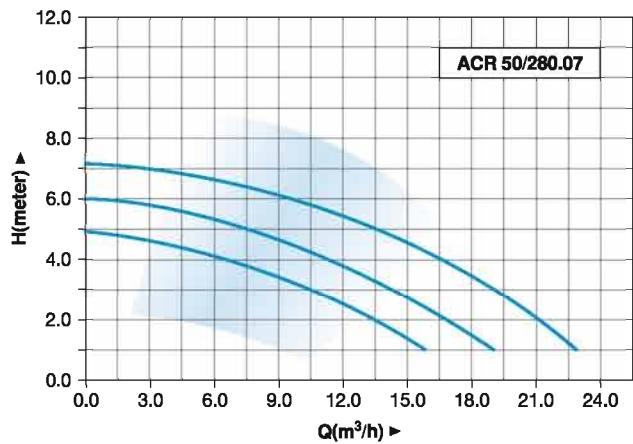
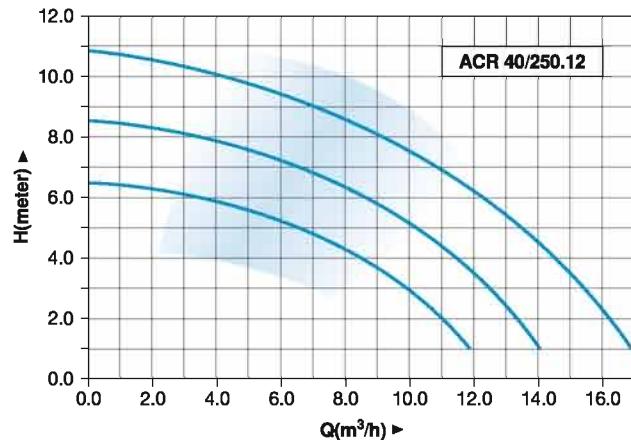
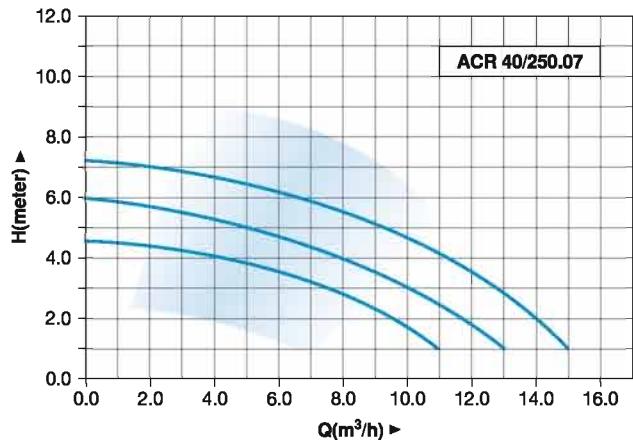
PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	ROTATION (rpm)	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
102.001	<b>ACR 40/250.07</b>	250	DN 40	1 ⇒ 1.550 2 ⇒ 2.570 3 ⇒ 2.800	180 250 300	1X230	15.0	7.1
102.002	<b>ACR 40/250.12</b>	250	DN 40	1 ⇒ 1.520 2 ⇒ 2.300 3 ⇒ 2.850	290 450 550	1X230	17.0	10.9
102.003	<b>ACR 50/280.07</b>	280	DN 50	1 ⇒ 1.950 2 ⇒ 2.700 3 ⇒ 2.840	350 490 580	1X230	23.0	7.1
102.004	<b>ACR 50/280.12</b>	280	DN 50	1 ⇒ 2.250 2 ⇒ 2.700 3 ⇒ 2.810	600 770 900	1X230	28.0	10.5
102.005	<b>ACR 65/340.07</b>	340	DN 65	1 ⇒ 1.560 2 ⇒ 2.580 3 ⇒ 2.780	590 680 800	1X230	34.0	7.1
102.006	<b>ACR 65/340.12</b>	340	DN 65	1 ⇒ 2.400 2 ⇒ 2.650 3 ⇒ 2.880	870 990 1200	1X230	36.0	11.0
102.007	<b>ACR 80/360.07</b>	360	DN 80	1 ⇒ 1.950 2 ⇒ 2.350 3 ⇒ 2.725	790 880 1000	1X230	42.0	7.5
102.008	<b>ACR 80/360.10</b>	360	DN 80	1 ⇒ 2.100 2 ⇒ 2.610 3 ⇒ 2.800	1300 1650 1800	1X230	54.0	10.0

#### STRUCTURAL FEATURES

- Wet rotor motor
- 3 speed operation
- Flanged connections (PN6 and PN10 are compatible)
- Three phase motors

#### MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer
Rotor sleeve	Stainless steel



## ELECTRONIC CIRCULATORS

High efficiency  
with permanent magnet rotor



### DESCRIPTION

EvoMag series circulating pumps are designed with intelligent electronic controlled motor including magnetic rotor to ensure;

- High performance
- Low energy consumption (EEI ≤ 0.23)
- Easy product installation and operation.

EvoMag series are suitable for heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems.

These circulators are efficient, high-tech and eco-friendly.

### FEATURES

- High efficiency with permanent magnet rotor
- Intelligent electronic controlled motor
- Perfect designed hydraulics



PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	EEI	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
0203.2502	<b>EVOMAG 25/180.07</b>	180	1 1/2"	EEI ≤ 0.23	55	1x230	4.0	7.0
0203.3203	<b>EVOMAG 32/180.08</b>	180	2"	EEI ≤ 0.23	75	1x230	6.0	8.0

### SİRKÜLASYON POMPASI REKOR SETİ

PRODUCT CODE	MODEL	CONNECTION SIZE	DESCRIPTION
1300.0019	<b>PR 14</b>	1 1/2" - 1"	Union set
1300.0020	<b>PR 15</b>	2" - 1 1/4"	Union set

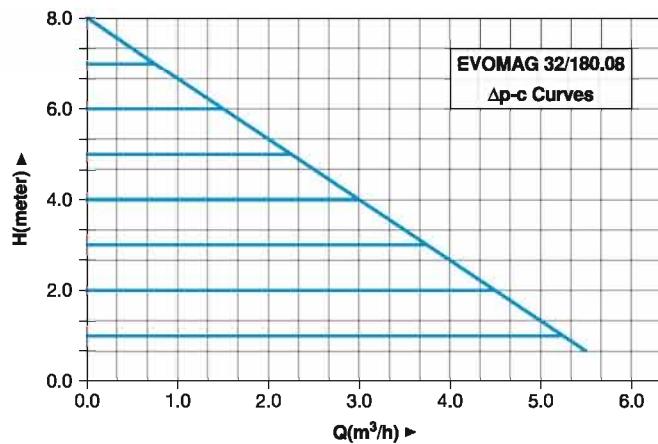
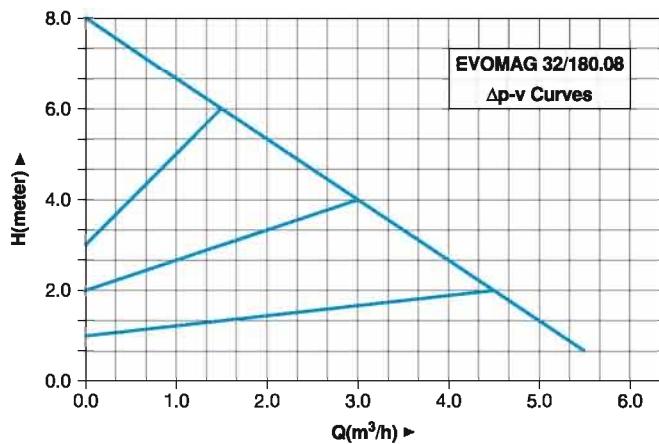
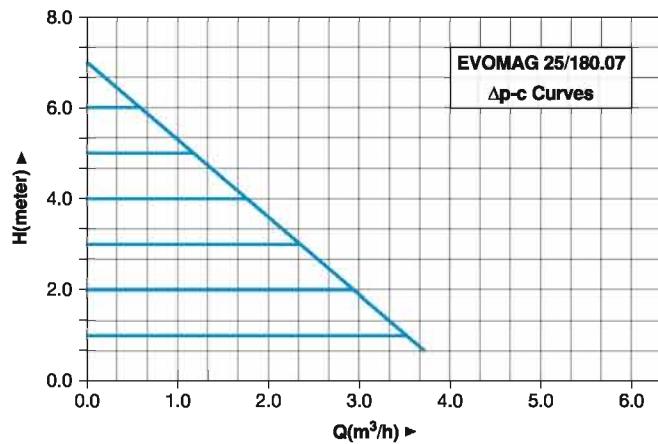
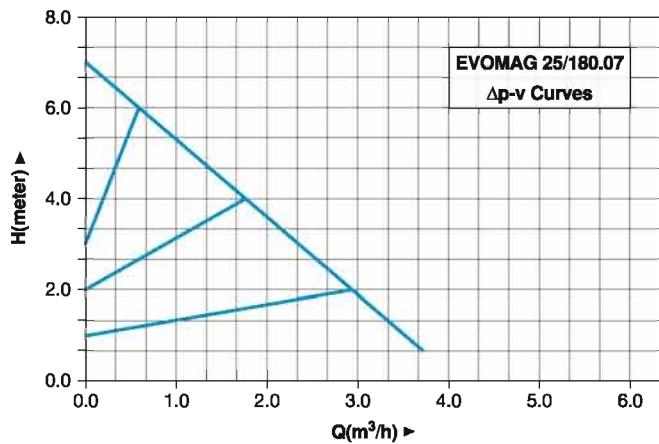
### TECHNICAL INFORMATION

- Voltage (Single phase) : 1N~50-60 Hz 230 V±%10
- Liquid temperature range : -10 ~ +110°C
- Max working pressure : 10 Bar
- Protection level : IP 44
- Insulation class : F
- Installation : Motor axis horizontal

### MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer

PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	EEI	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
0203.2502	<b>EVOMAG 25/130.07</b>	130	1 1/2"	EEI ≤ 0.23	55	1x230	4.0	7.0
0203.3203	<b>EVOMAG 32/180.08</b>	180	2"	EEI ≤ 0.23	75	1x230	6.0	8.0



## ELECTRONIC CIRCULATORS

High efficiency  
with permanent magnet rotor



## ELECTRONIC CIRCULATING PUMPS



### DESCRIPTION

EvoMag series circulating pumps are designed with intelligent electronic controlled motor including magnetic rotor to ensure;

- ➡ High performance
- ➡ Low energy consumption (EEI ≤ 0.23)
- ➡ Easy product installation and operation.

EvoMag series are suitable for heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems.

These circulators are efficient, high-tech and eco-friendly.

### FEATURES

- ➡ High efficiency with permanent magnet rotor
- ➡ Intelligent electronic controlled motor
- ➡ Perfect designed hydraulics



PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	EEI	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
0203.2503	EVOMAG 25/180.10	180	1 1/2"	EEI ≤ 0.23	185	1x230	12.0	10.0
0203.3204	EVOMAG 32/180.10	180	2"	EEI ≤ 0.23	185	1x230	12.0	10.0

### SİRKÜLASYON POMPASI REKOR SETİ

PRODUCT CODE	MODEL	CONNECTION SIZE	DESCRIPTION
1300.0019	PR 14	1 1/2" - 1"	Union set
1300.0020	PR 15	2" - 1 1/4"	Union set

### TECHNICAL INFORMATION

- ➡ Voltage (Single phase) : 1N~50-60 Hz 230 V±%10
- ➡ Liquid temperature range : -10 ~ +110°C
- ➡ Max working pressure : 10 Bar
- ➡ Protection level : IP 44
- ➡ Insulation class : F
- ➡ Installation : Motor axis horizontal

### MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer

### Modes of operation

- ➡ ΔP-v proportional differential pressure adjustment mode
- ➡ ΔP-c constant differential pressure adjustment mode
- ➡ Constant curve adjustment modes

### Easy to use interface

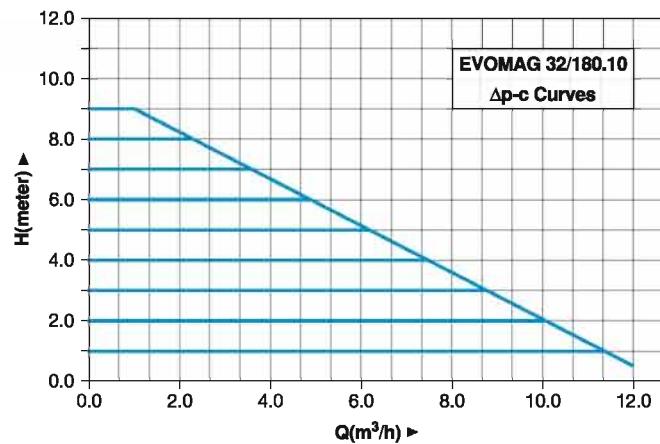
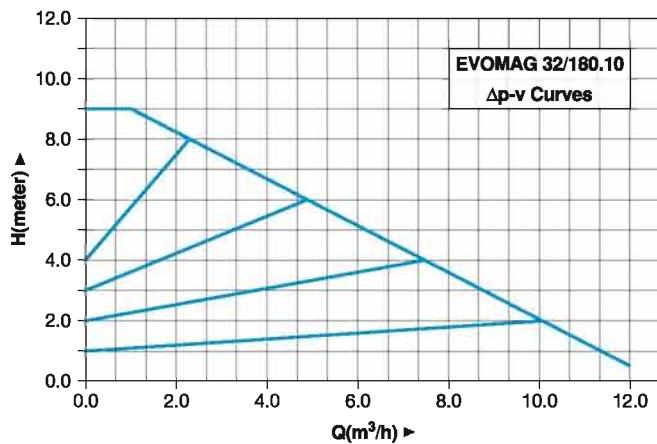
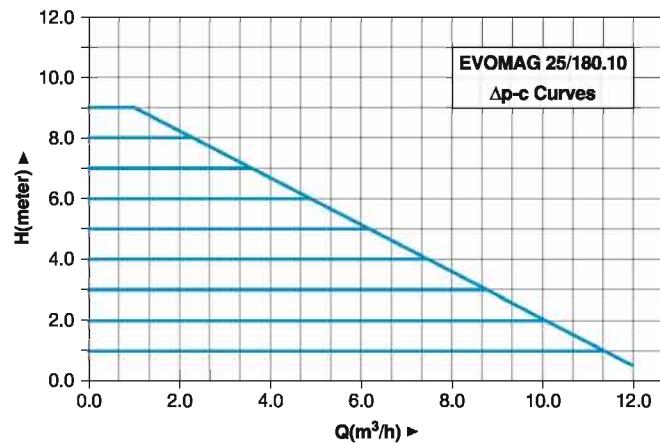
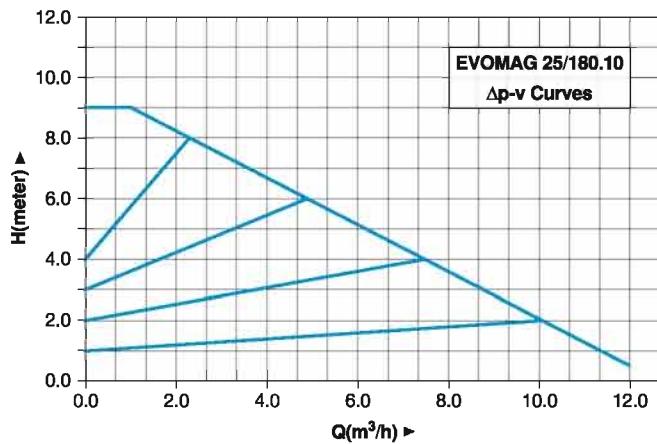
- ➡ 0,1 mWs set point accuracy
- ➡ Rated power, head, flow rate and motor rpm can be seen momentally on the screen
- ➡ 15 different failure can be detected and previous failures can be seen on the screen

### Maximum protection to ensure long life

- ➡ Stainless steel rotor protection liner
- ➡ Dry running protection
- ➡ High temperature protection
- ➡ Low and high voltage protection
- ➡ Blockage protection

### Electronic system characteristics

- ➡ Latest generation IGBT unit
- ➡ Sine-wave PWM modulation
- ➡ High carrier frequency to eliminate all audio band noise
- ➡ Optimised vector algorithm



## ELECTRONIC CIRCULATORS

High efficiency  
with permanent magnet rotor



## DESCRIPTION

EvoMag series circulating pumps are designed with intelligent electronic controlled motor including magnetic rotor to ensure;

- ➡ High performance
- ➡ Low energy consumption (EEI ≤ 0.23)
- ➡ Easy product installation and operation.

EvoMag series are suitable for heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems.

These circulators are efficient, high-tech and eco-friendly.

## FEATURES

- ➡ High efficiency with permanent magnet rotor
- ➡ Intelligent electronic controlled motor
- ➡ Perfect designed hydraulics



PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	EEI	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
0203.4002	EVOMAG 40/220.07	220	DN 40	EEI≤ 0.23	185	1x230	17.0	7.0
0203.4003	EVOMAG 40/250.08	250	DN 40	EEI≤ 0.23	190	1x230	18.0	8.0
0203.4007	EVOMAG 40/250.10	250	DN 40	EEI≤ 0.23	360	1x230	23.0	10.0
0203.4004	EVOMAG 40/250.12	250	DN 40	EEI≤ 0.23	525	1x230	25.0	12.0
0203.4005	EVOMAG 40/250.15	250	DN 40	EEI≤ 0.23	640	1x230	28.0	15.0

## TECHNICAL INFORMATION

- ➡ Voltage (Single phase) : 1N~50-60 Hz 230 V±%10
- ➡ Liquid temperature range : -10 ~ +110°C
- ➡ Max working pressure : 10 Bar
- ➡ Protection level : IP 44
- ➡ Insulation class : F
- ➡ Installation : Motor axis horizontal

## MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer

## Modes of operation

- ➡ ΔP-v proportional differential pressure adjustment mode
- ➡ ΔP-c constant differential pressure adjustment mode
- ➡ Constant curve adjustment modes

## Easy to use interface

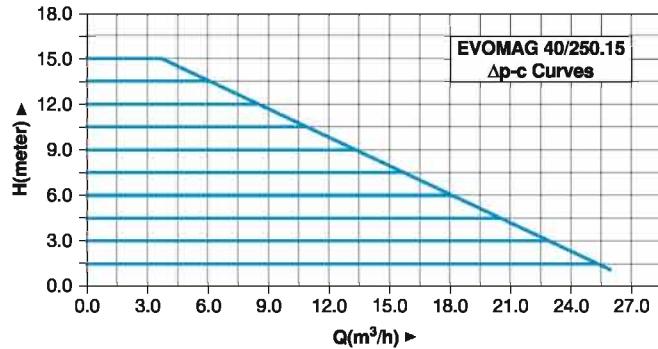
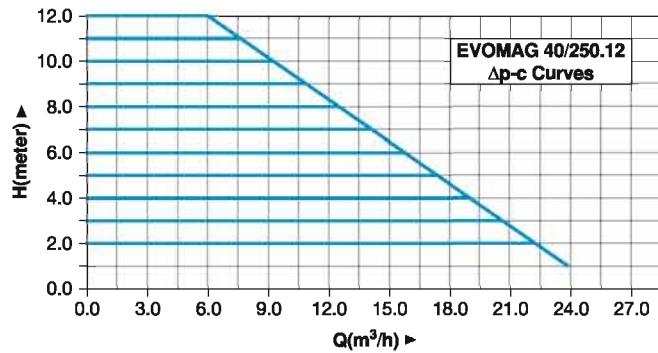
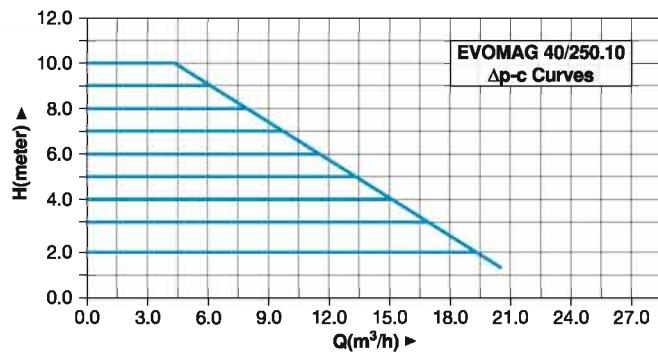
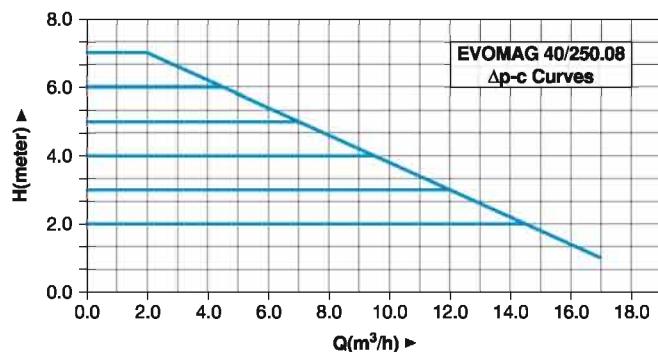
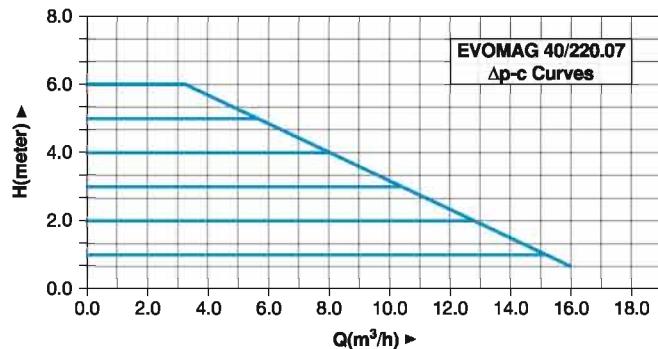
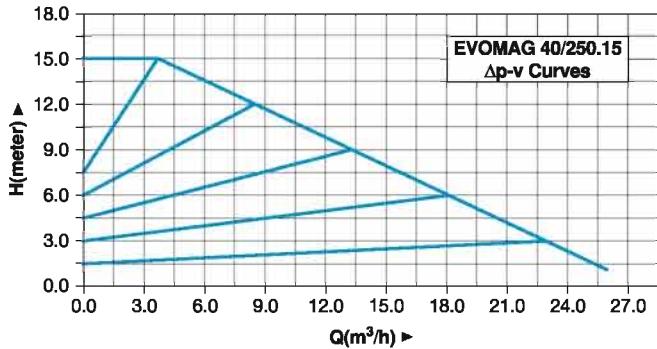
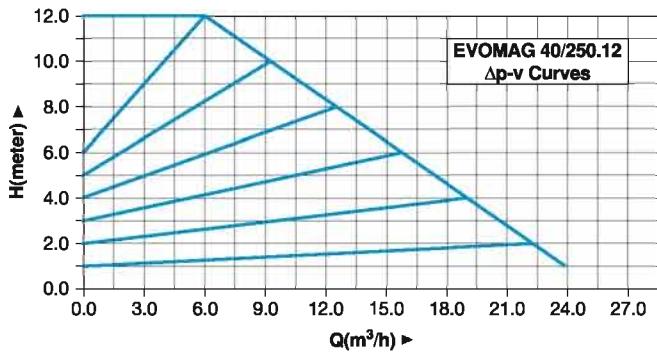
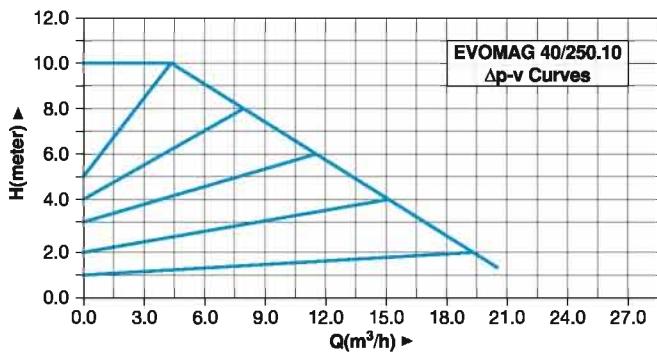
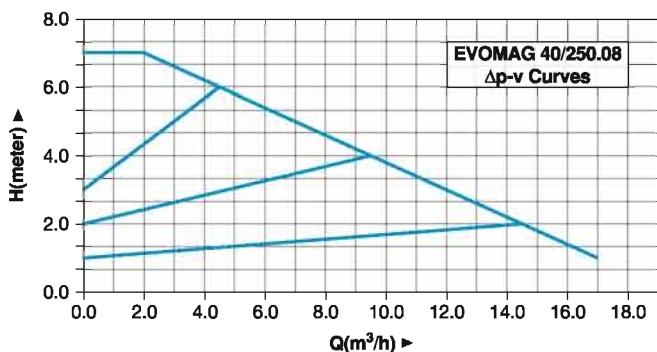
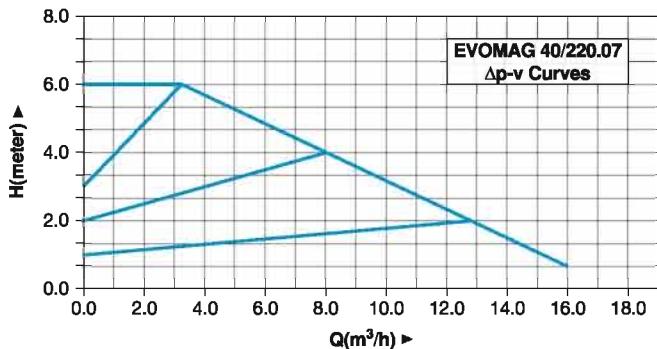
- ➡ 0,1 mWs set point accuracy
- ➡ Rated power, head, flow rate and motor rpm can be seen momentally on the screen
- ➡ 15 different failure can be detected and previous failures can be seen on the screen

## Maximum protection to ensure long life

- ➡ Stainless steel rotor protection liner
- ➡ Dry running protection
- ➡ High temperature protection
- ➡ Low and high voltage protection
- ➡ Blockage protection

## Electronic system characteristics

- ➡ Latest generation IGBT unit
- ➡ Sine-wave PWM modulation
- ➡ High carrier frequency to eliminate all audio band noise
- ➡ Optimised vector algorithm



## ELECTRONIC CIRCULATORS

High efficiency  
with permanent magnet rotor



## DESCRIPTION

EvoMag series circulating pumps are designed with intelligent electronic controlled motor including magnetic rotor to ensure;

- ➡ High performance
- ➡ Low energy consumption (EEI ≤ 0.23)
- ➡ Easy product installation and operation.

EvoMag series are suitable for heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems.

These circulators are efficient, high-tech and eco-friendly.

## FEATURES

- ➡ High efficiency with permanent magnet rotor
- ➡ Intelligent electronic controlled motor
- ➡ Perfect designed hydraulics



PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	EEI	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
0203.5003	EVOMAG 50/280.07	280	DN 50	EEI≤ 0.23	200	1x230	21.0	7.0
0203.5007	EVOMAG 50/280.09	280	DN 50	EEI≤ 0.23	365	1x230	27.0	9.0
0203.5004	EVOMAG 50/280.12	280	DN 50	EEI≤ 0.23	645	1x230	34.0	12.0
0203.5005	EVOMAG 50/280.15	280	DN 50	EEI≤ 0.23	940	1x230	38.0	15.0

## TECHNICAL INFORMATION

- ➡ Voltage (Single phase) : 1N~50-60 Hz 230 V±%10
- ➡ Liquid temperature range : -10 ~ +110°C
- ➡ Max working pressure : 10 Bar
- ➡ Protection level : IP 44
- ➡ Insulation class : F
- ➡ Installation : Motor axis horizontal

## MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer

## Modes of operation

- ➡ ΔP-v proportional differential pressure adjustment mode
- ➡ ΔP-c constant differential pressure adjustment mode
- ➡ Constant curve adjustment modes

## Easy to use interface

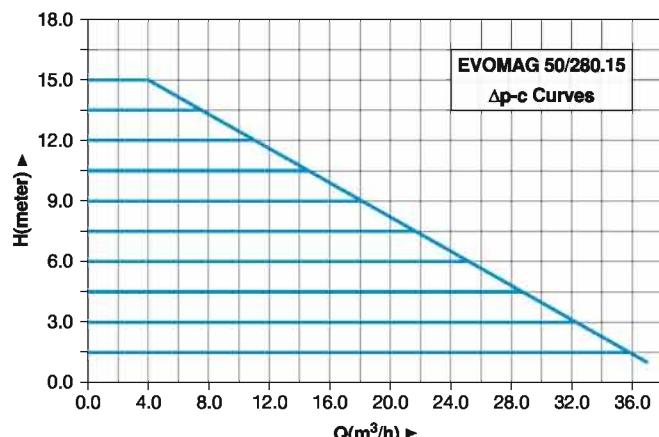
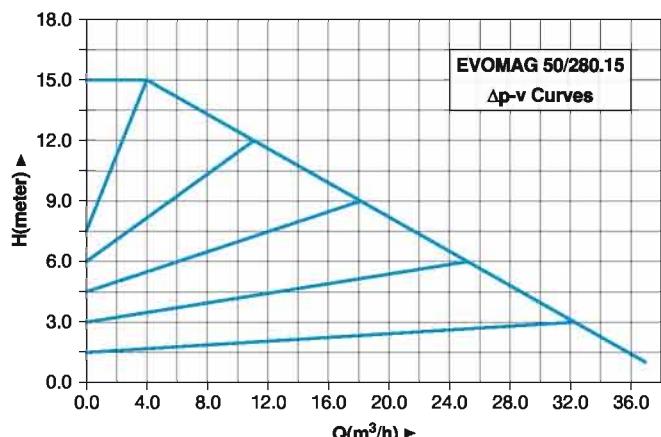
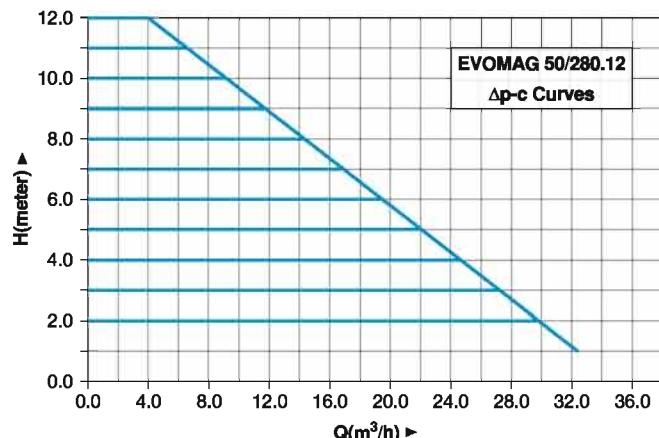
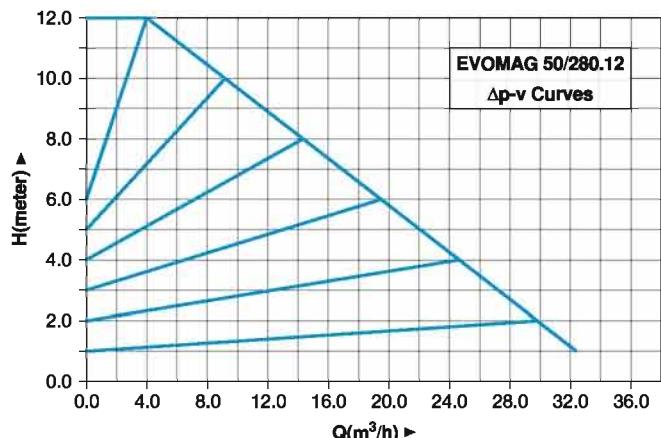
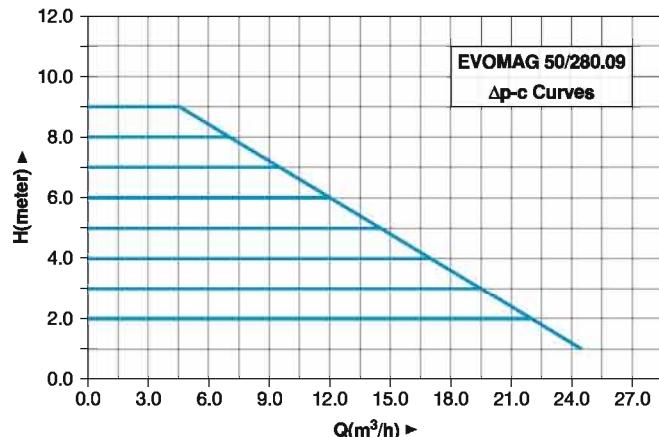
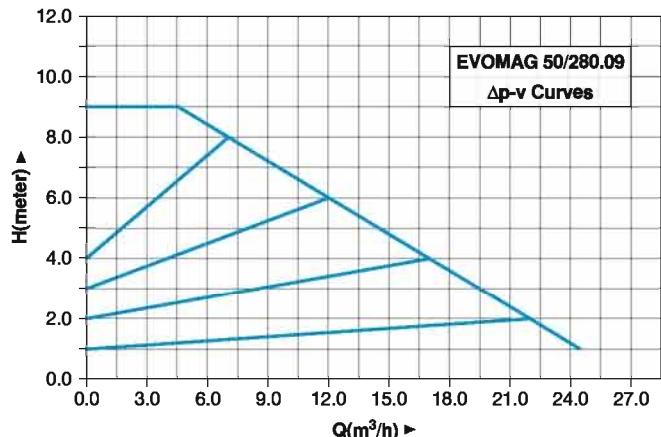
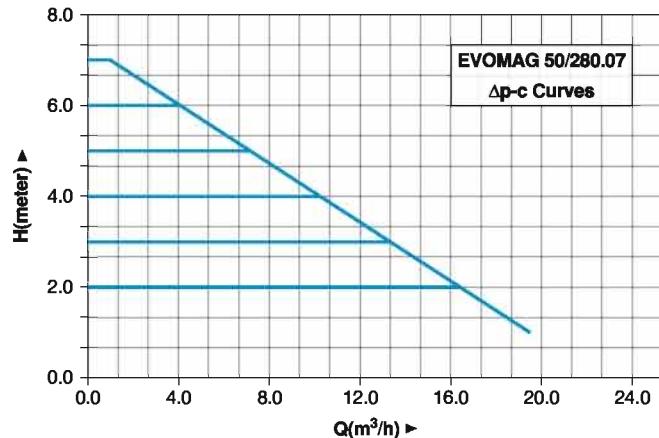
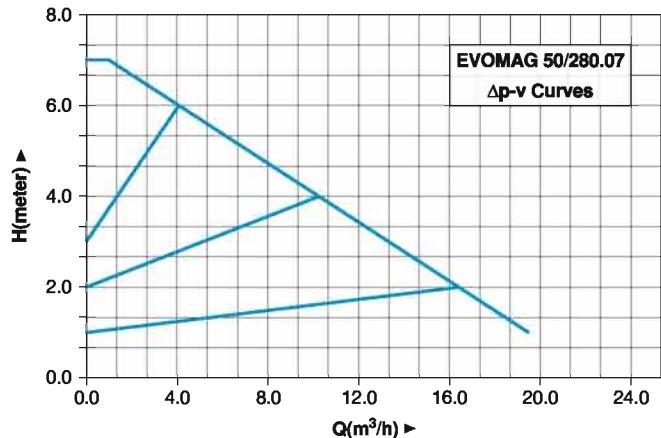
- ➡ 0,1 mWs set point accuracy
- ➡ Rated power, head, flow rate and motor rpm can be seen momentally on the screen
- ➡ 15 different failure can be detected and previous failures can be seen on the screen

## Maximum protection to ensure long life

- ➡ Stainless steel rotor protection liner
- ➡ Dry running protection
- ➡ High temperature protection
- ➡ Low and high voltage protection
- ➡ Blockage protection

## Electronic system characteristics

- ➡ Latest generation IGBT unit
- ➡ Sine-wave PWM modulation
- ➡ High carrier frequency to eliminate all audio band noise
- ➡ Optimised vector algorithm



## ELECTRONIC CIRCULATORS

High efficiency  
with permanent magnet rotor



## DESCRIPTION

EvoMag series circulating pumps are designed with intelligent electronic controlled motor including magnetic rotor to ensure;

- ➡ High performance
- ➡ Low energy consumption ( $EEI \leq 0.23$ )
- ➡ Easy product installation and operation.

EvoMag series are suitable for heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems.

These circulators are efficient, high-tech and eco-friendly.

## FEATURES

- ➡ High efficiency with permanent magnet rotor
- ➡ Intelligent electronic controlled motor
- ➡ Perfect designed hydraulics



PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	EEI	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
0203.6003	EVOMAG 65/340.06	340	DN 65	$EEI \leq 0.23$	210	1x230	24.0	6.0
0203.6004	EVOMAG 65/340.08	340	DN 65	$EEI \leq 0.23$	375	1x230	30.0	8.0
0203.6002	EVOMAG 65/340.10	340	DN 65	$EEI \leq 0.23$	650	1x230	41.0	10.0
0203.6006	EVOMAG 65/340.15	340	DN 65	$EEI \leq 0.23$	950	1x230	52.0	15.0

## TECHNICAL INFORMATION

- ➡ Voltage (Single phase) : 1N~50-60 Hz 230 V±%10
- ➡ Liquid temperature range : -10 ~ +110°C
- ➡ Max working pressure : 10 Bar
- ➡ Protection level : IP 44
- ➡ Insulation class : F
- ➡ Installation : Motor axis horizontal

## MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer

## Modes of operation

- ➡  $\Delta P-v$  proportional differential pressure adjustment mode
- ➡  $\Delta P-c$  constant differential pressure adjustment mode
- ➡ Constant curve adjustment modes

## Easy to use interface

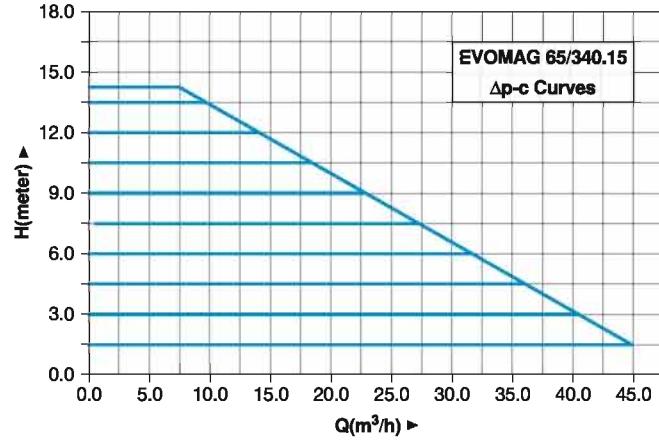
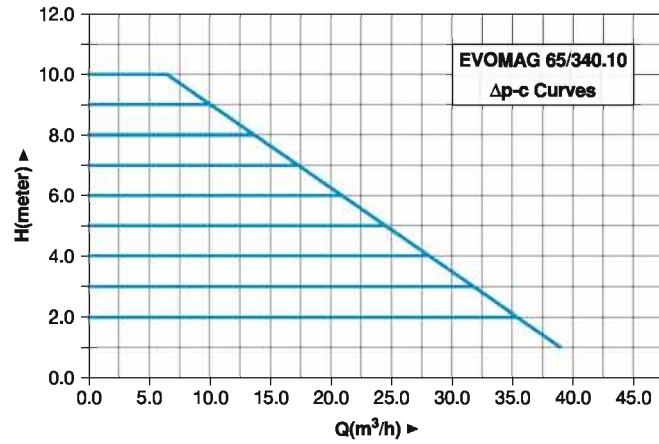
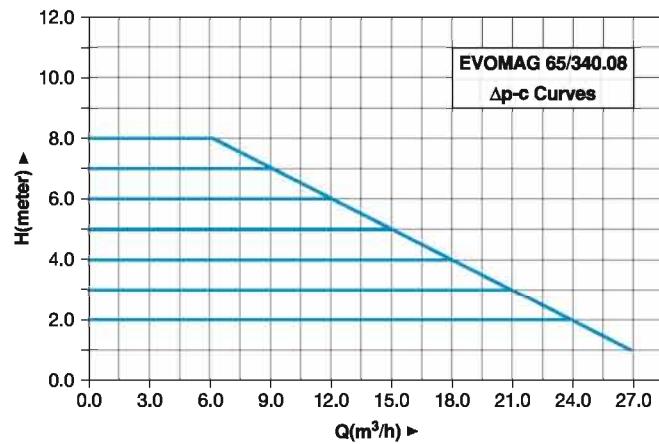
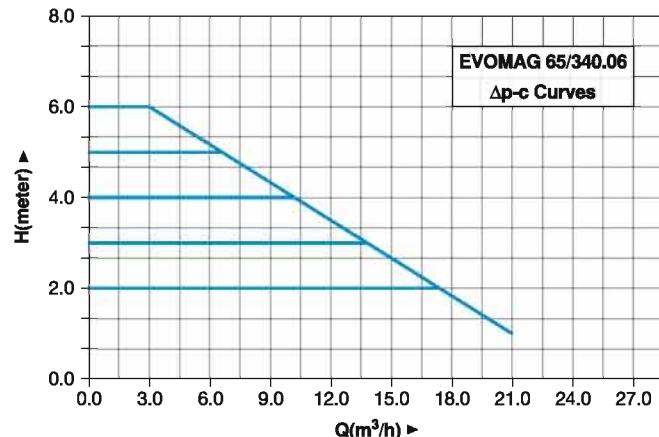
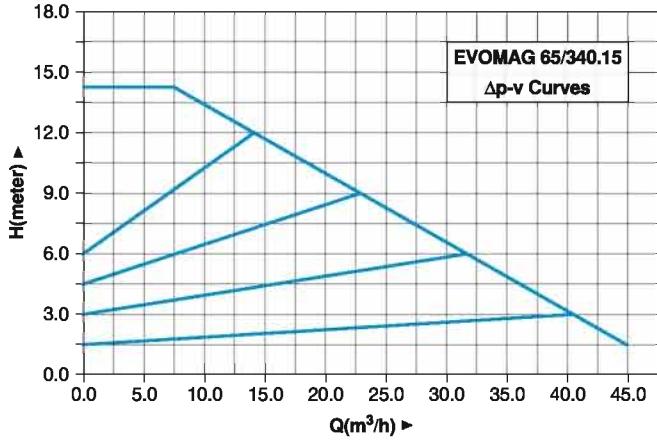
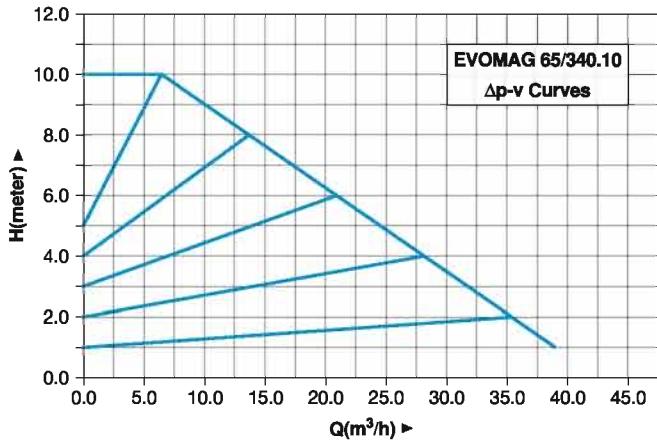
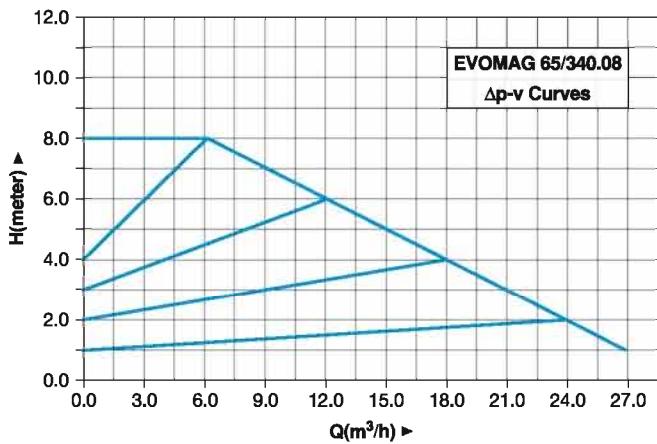
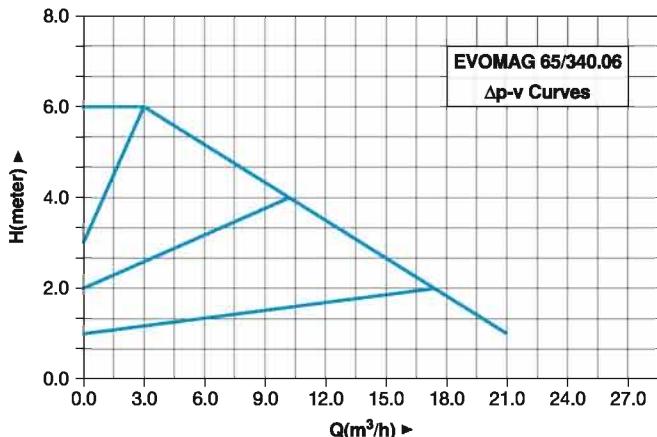
- ➡ 0,1 mWs set point accuracy
- ➡ Rated power, head, flow rate and motor rpm can be seen momentally on the screen
- ➡ 15 different failure can be detected and previous failures can be seen on the screen

## Maximum protection to ensure long life

- ➡ Stainless steel rotor protection liner
- ➡ Dry running protection
- ➡ High temperature protection
- ➡ Low and high voltage protection
- ➡ Blockage protection

## Electronic system characteristics

- ➡ Latest generation IGBT unit
- ➡ Sine-wave PWM modulation
- ➡ High carrier frequency to eliminate all audio band noise
- ➡ Optimised vector algorithm



## ELECTRONIC CIRCULATORS

High efficiency  
with permanent magnet rotor



## DESCRIPTION

EvoMag series circulating pumps are designed with intelligent electronic controlled motor including magnetic rotor to ensure;

- ➡ High performance
- ➡ Low energy consumption ( $EEI \leq 0.23$ )
- ➡ Easy product installation and operation.

EvoMag series are suitable for heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems.

These circulators are efficient, high-tech and eco-friendly.

## FEATURES

- ➡ High efficiency with permanent magnet rotor
- ➡ Intelligent electronic controlled motor
- ➡ Perfect designed hydraulics



PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	EEI	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
0203.8001	<b>EVOMAG 80/360.08</b>	360	DN 80	$EEI \leq 0.23$	385	1x230	32.0	8.0
0203.8003	<b>EVOMAG 80/360.10</b>	360	DN 80	$EEI \leq 0.23$	655	1x230	44.0	10.0
0203.8005	<b>EVOMAG 80/360.15</b>	360	DN 80	$EEI \leq 0.23$	960	1x230	57.0	15.0

## TECHNICAL INFORMATION

- ➡ Voltage (Single phase) : 1N~50-60 Hz 230 V±%10
- ➡ Liquid temperature range : -10 ~ +110°C
- ➡ Max working pressure : 10 Bar
- ➡ Protection level : IP 44
- ➡ Insulation class : F
- ➡ Installation : Motor axis horizontal

## MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer

## Modes of operation

- ➡ ΔP-v proportional differential pressure adjustment mode
- ➡ ΔP-c constant differential pressure adjustment mode
- ➡ Constant curve adjustment modes

## Easy to use interface

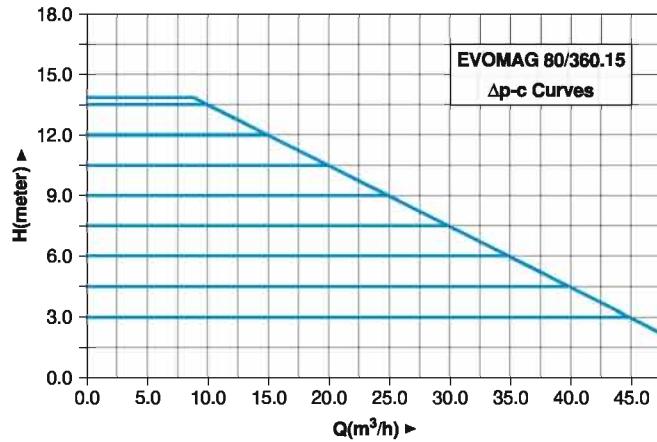
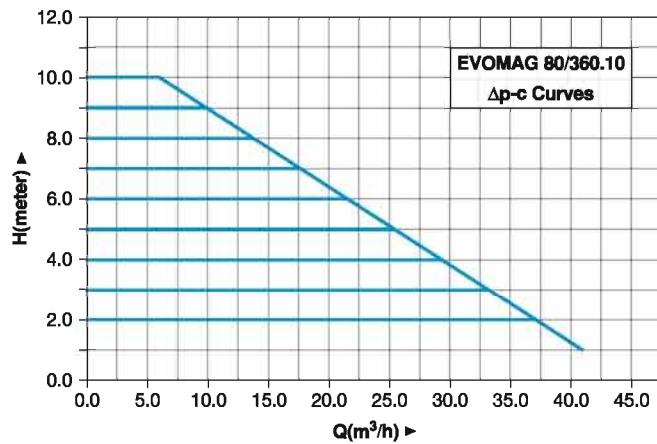
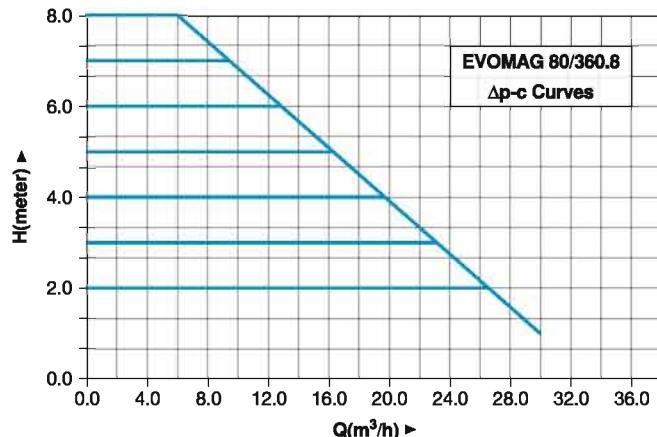
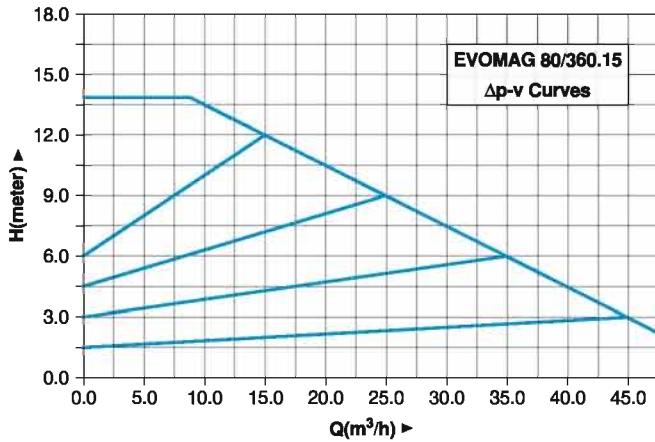
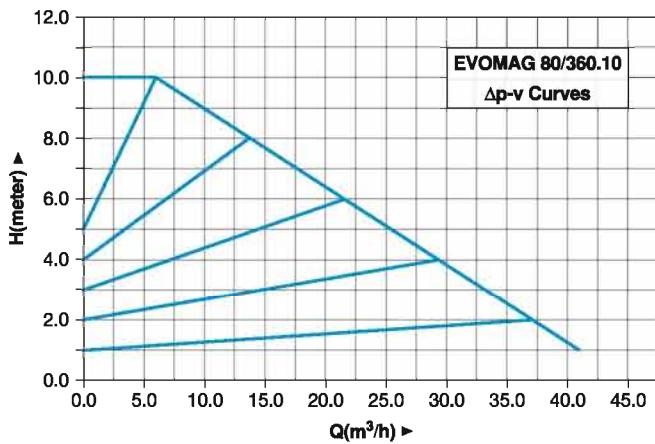
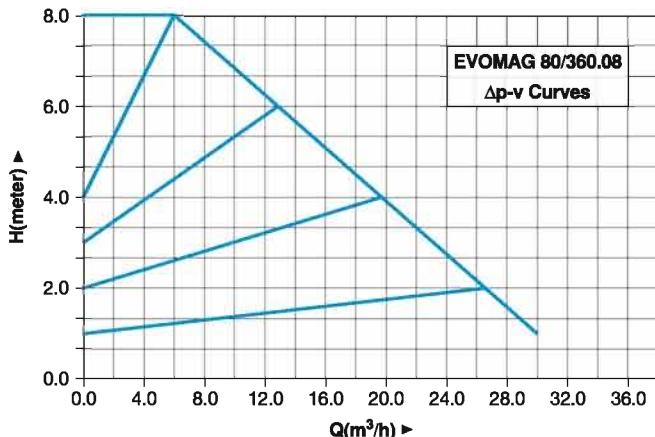
- ➡ 0,1 mWs set point accuracy
- ➡ Rated power, head, flow rate and motor rpm can be seen momentally on the screen
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## Maximum protection to ensure long life

- ➡ Stainless steel rotor protection liner
- ➡ Dry running protection
- ➡ High temperature protection
- ➡ Low and high voltage protection
- ➡ Blockage protection

## Electronic system characteristics

- ➡ Latest generation IGBT unit
- ➡ Sine-wave PWM modulation
- ➡ High carrier frequency to eliminate all audio band noise
- ➡ Optimised vector algorithm



## ELECTRONIC CIRCULATORS

High efficiency  
with permanent magnet rotor



## DESCRIPTION

EvoMag series twin circulating pumps are designed with intelligent electronic controlled motor including magnetic rotor to ensure;

- High performance
- Low energy consumption (EEI ≤ 0.23)
- Easy product installation and operation.

EvoMag series are suitable for heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems.

## FEATURES

- High efficiency with permanent magnet rotor
- Intelligent electronic controlled motor
- Perfect designed hydraulics
- Built-in check valve to avoid water recirculating through the unit when not running
- Blank flange is supplied as standard for maintenance



PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	EEI	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
0204.4002	<b>EVOMAG 40/250.08 D</b>	250	DN 40	EEI≤ 0.23	2x190	1x230	18.0	8.0
0204.4003	<b>EVOMAG 40/250.10 D</b>	250	DN 40	EEI≤ 0.23	2x360	1x230	23.0	10.0
0204.4004	<b>EVOMAG 40/250.12 D</b>	250	DN 40	EEI≤ 0.23	2x525	1x230	25.0	12.0
0204.4005	<b>EVOMAG 40/250.15 D</b>	250	DN 40	EEI≤ 0.23	2x640	1x230	28.0	15.0

## TECHNICAL INFORMATION

- Voltage (Single phase) : 1N~50-60 Hz 230 V±%10
- Liquid temperature range : -10 ~ +110°C
- Max working pressure : 10 Bar
- Protection level : IP 44
- Insulation class : F
- Installation : Motor axis horizontal

## MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer

## Modes of operation

- ΔP-v proportional differential pressure adjustment mode
- ΔP-c constant differential pressure adjustment mode
- Constant curve adjustment modes

## Easy to use interface

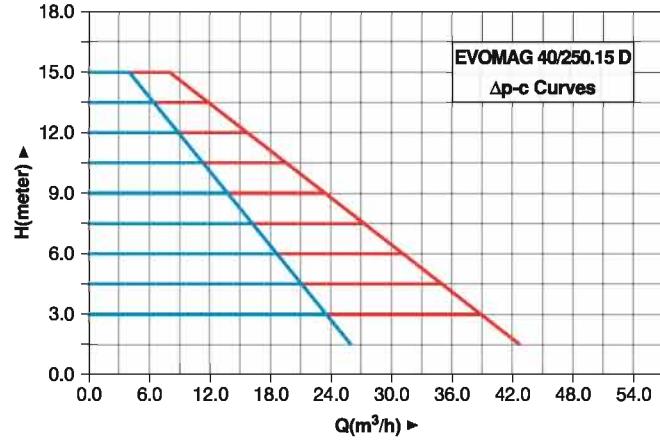
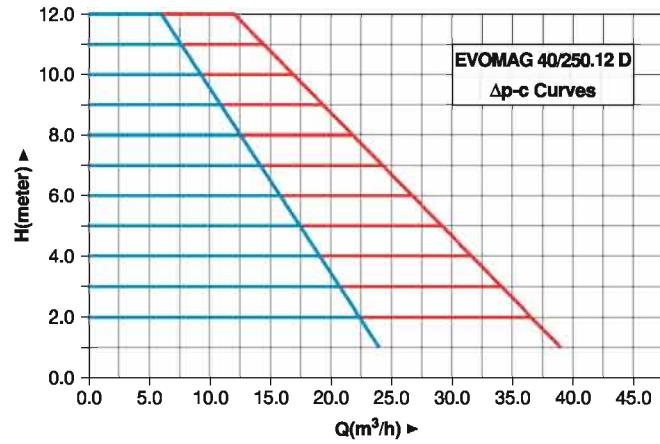
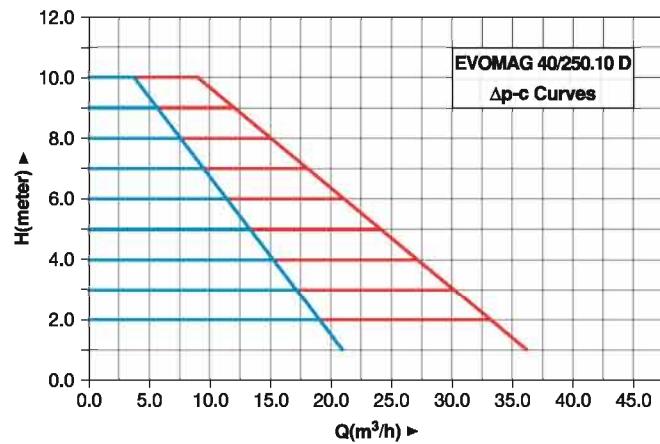
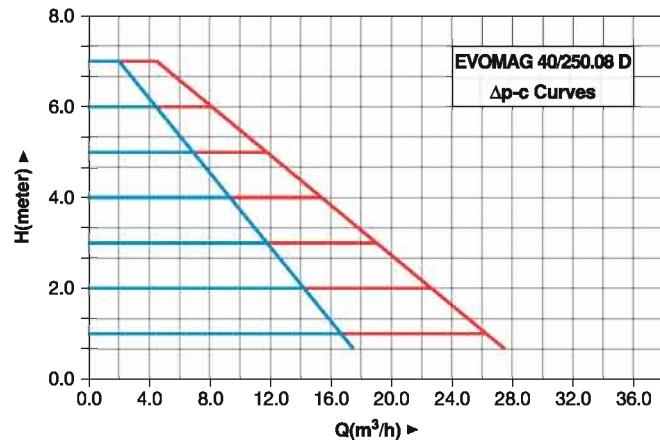
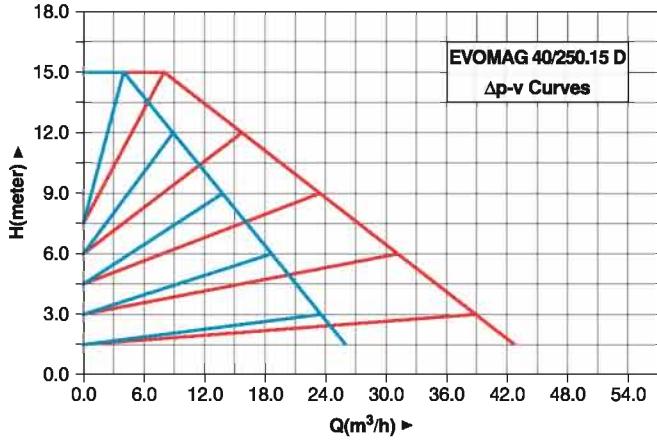
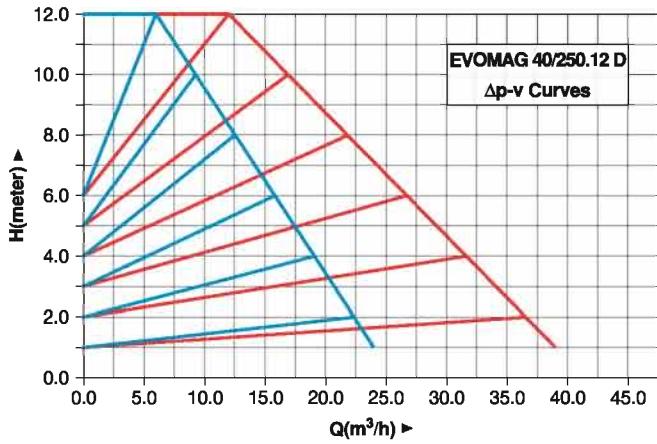
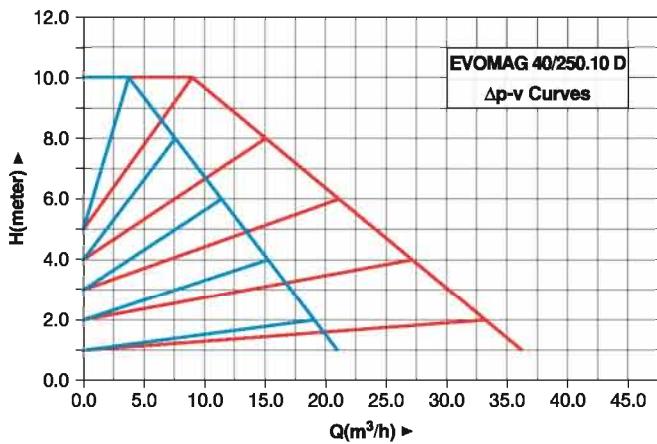
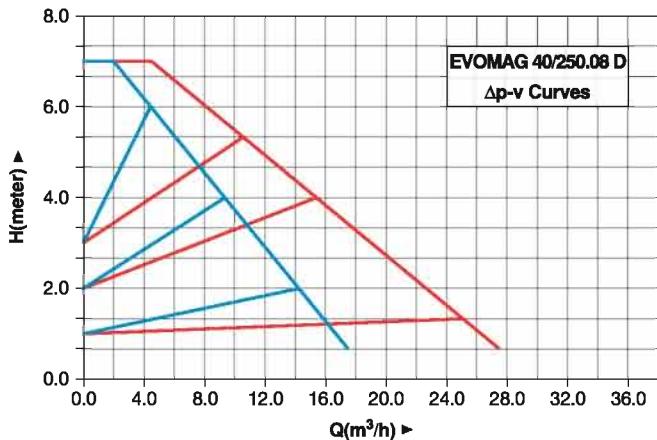
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- Rated power, head, flow rate and motor rpm can be seen momentally on the screen
- 15 different failure can be detected and previous failures can be seen on the screen

## Maximum protection to ensure long life

- Stainless steel rotor protection liner
- Dry running protection
- High temperature protection
- Low and high voltage protection
- Blockage protection
- Built-in check valve

## Electronic system characteristics

- Latest generation IGBT unit
- Sine-wave PWM modulation
- High carrier frequency to eliminate all audio band noise
- Optimised vector algorithm



## ELECTRONIC CIRCULATORS

High efficiency  
with permanent magnet rotor



### DESCRIPTION

EvoMag series twin circulating pumps are designed with intelligent electronic controlled motor including magnetic rotor to ensure;

- High performance
- Low energy consumption (EEI 0.23)
- Easy product installation and operation.

EvoMag series are suitable for heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems.

### FEATURES

- High efficiency with permanent magnet rotor
- Intelligent electronic controlled motor
- Perfect designed hydraulics
- Built-in check valve to avoid water recirculating through the unit when not running
- Blank flange is supplied as standard for maintenance



PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	EEI	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
0204.5002	EVOMAG 50/280.07 D	280	DN 50	EEI≤ 0.23	2x200	1x230	21.0	7.0
0204.5003	EVOMAG 50/280.09 D	280	DN 50	EEI≤ 0.23	2x365	1x230	27.0	9.0
0204.5004	EVOMAG 50/280.12 D	280	DN 50	EEI≤ 0.23	2x645	1x230	34.0	12.0
0204.5005	EVOMAG 50/280.15 D	280	DN 50	EEI≤ 0.23	2x940	1x230	38.0	15.0

### TECHNICAL INFORMATION

- Voltage (Single phase) : 1N~50-60 Hz 230 V±%10
- Liquid temperature range : -10 ~ +110°C
- Max working pressure : 10 Bar
- Protection level : IP 44
- Insulation class : F
- Installation : Motor axis horizontal

### MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer

### Modes of operation

- ΔP-v proportional differential pressure adjustment mode
- ΔP-c constant differential pressure adjustment mode
- Constant curve adjustment modes

### Easy to use interface

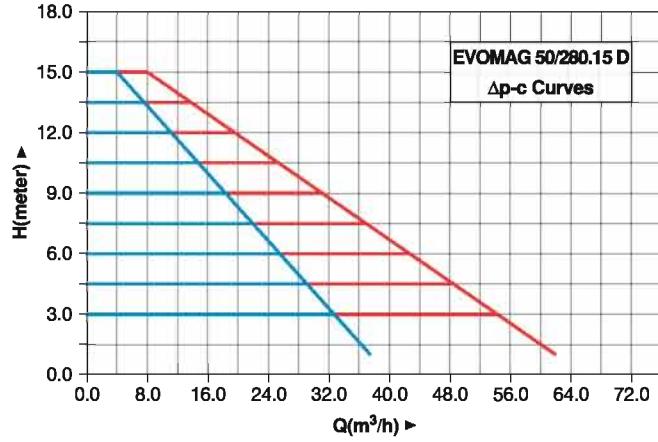
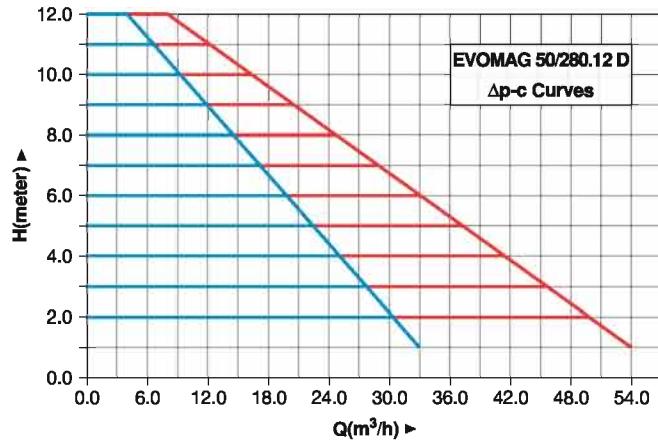
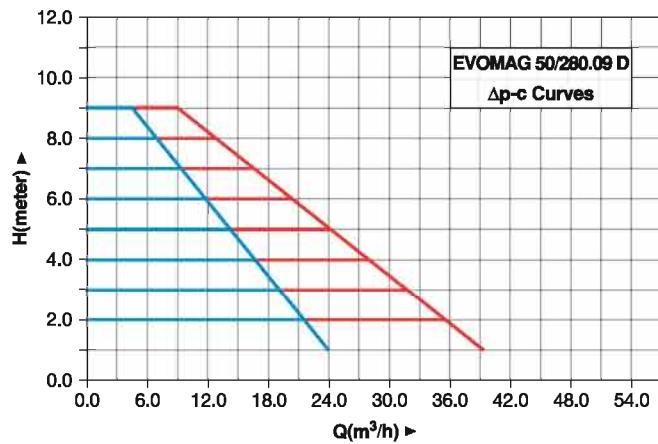
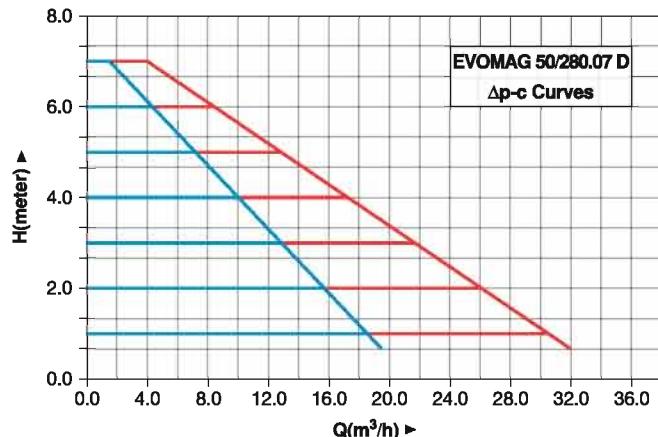
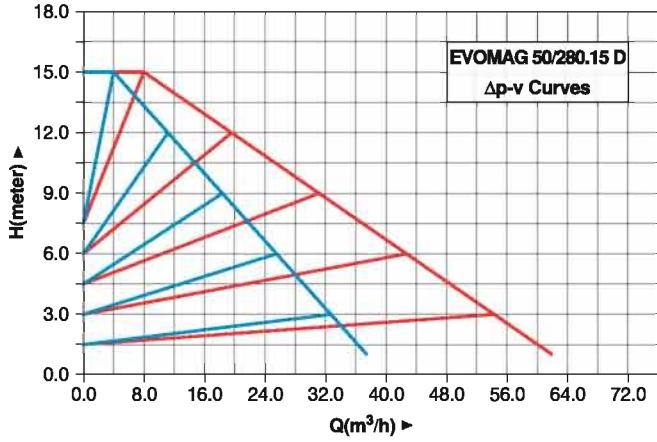
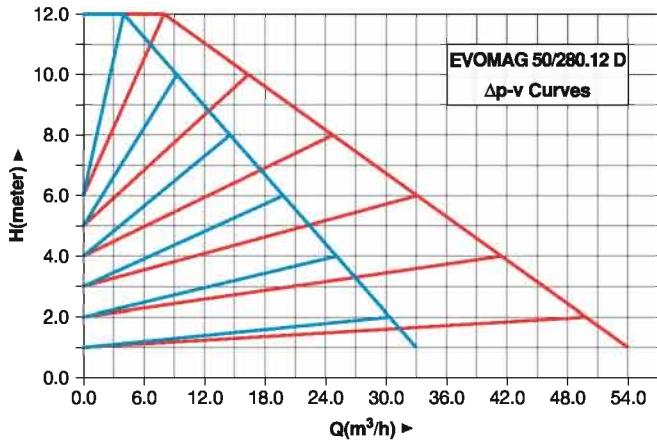
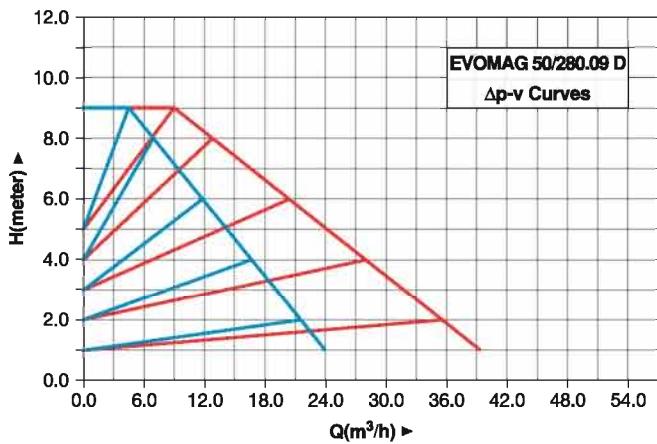
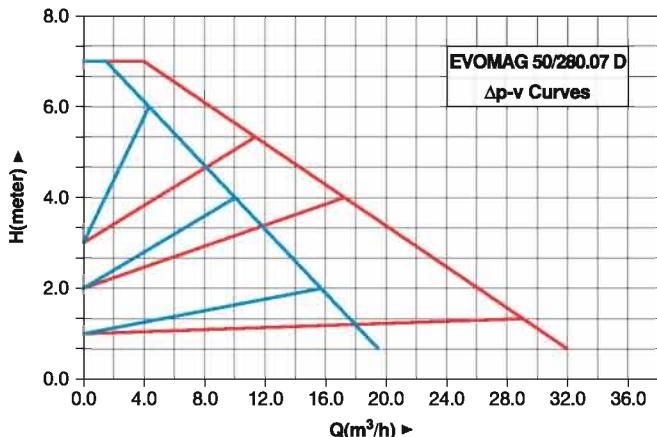
- 0,1mWs set point accuracy
- Rated power, head, flow rate and motor rpm can be seen momentally on the screen
- 15 different failure can be detected and previous failures can be seen on the screen

### Maximum protection to ensure long life

- Stainless steel rotor protection liner
- Dry running protection
- High temperature protection
- Low and high voltage protection
- Blockage protection
- Built-in check valve

### Electronic system characteristics

- Latest generation IGBT unit
- Sine-wave PWM modulation
- High carrier frequency to eliminate all audio band noise
- Optimised vector algorithm



## ELECTRONIC CIRCULATORS

High efficiency  
with permanent magnet rotor



### DESCRIPTION

EvoMag series twin circulating pumps are designed with intelligent electronic controlled motor including magnetic rotor to ensure;

- High performance
- Low energy consumption (EEI 0.23)
- Easy product installation and operation.

EvoMag series are suitable for heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems.

### FEATURES

- High efficiency with permanent magnet rotor
- Intelligent electronic controlled motor
- Perfect designed hydraulics
- Built-in check valve to avoid water recirculating through the unit when not running
- Blank flange is supplied as standard for maintenance



PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	EEI	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
0204.6002	EVOMAG 65/340.06 D	340	DN 65	EEI≤ 0.23	2x210	1x230	24.0	6.0
0204.6003	EVOMAG 65/340.08 D	340	DN 65	EEI≤ 0.23	2x375	1x230	30.0	8.0
0204.6004	EVOMAG 65/340.10 D	340	DN 65	EEI≤ 0.23	2x650	1x230	41.0	10.0
0204.6006	EVOMAG 65/340.15 D	340	DN 65	EEI≤ 0.23	2x950	1x230	52.0	15.0

### TECHNICAL INFORMATION

- Voltage (Single phase) : 1N~50-60 Hz 230 V±%10
- Liquid temperature range : -10 ~ +110°C
- Max working pressure : 10 Bar
- Protection level : IP 44
- Insulation class : F
- Installation : Motor axis horizontal

### MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer

### Modes of operation

- ΔP-v proportional differential pressure adjustment mode
- ΔP-c constant differential pressure adjustment mode
- Constant curve adjustment modes

### Easy to use interface

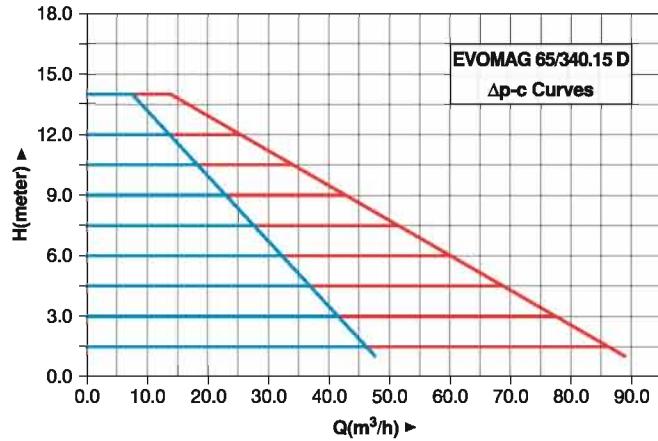
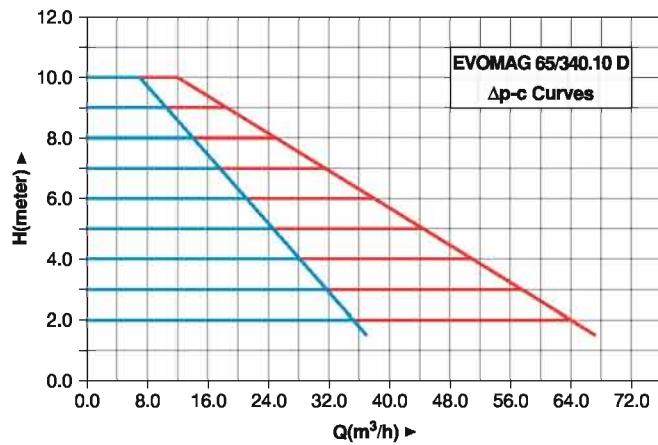
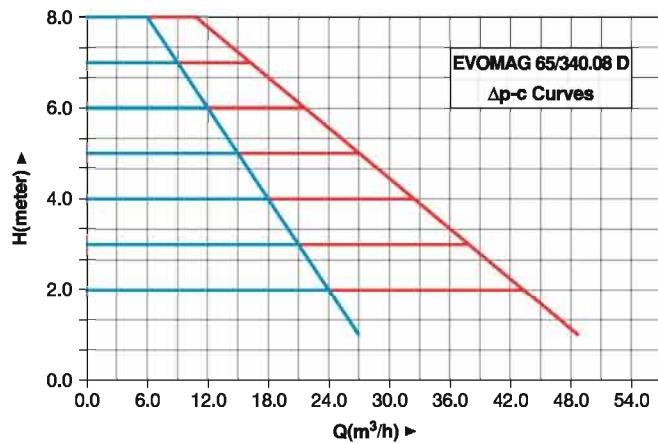
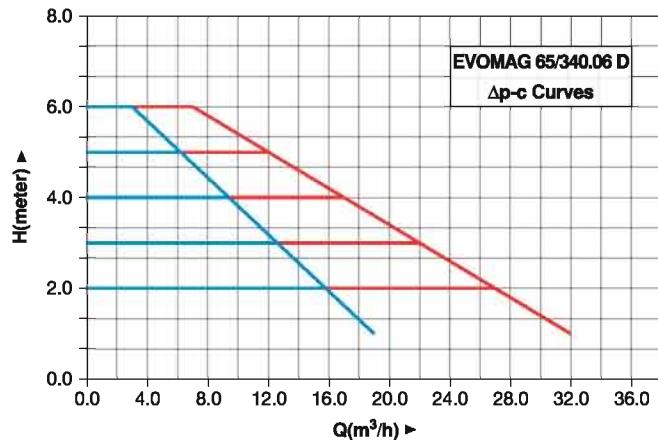
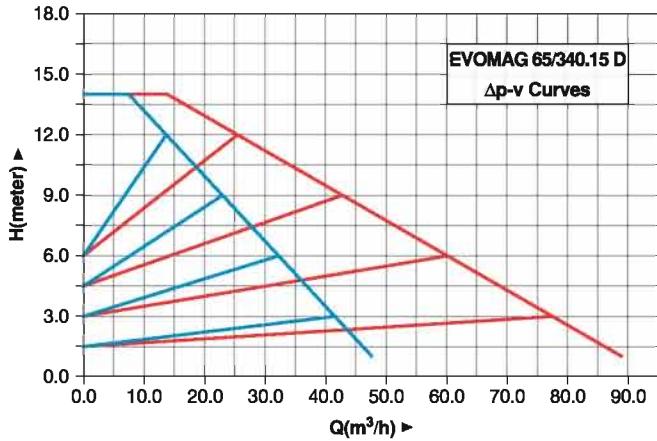
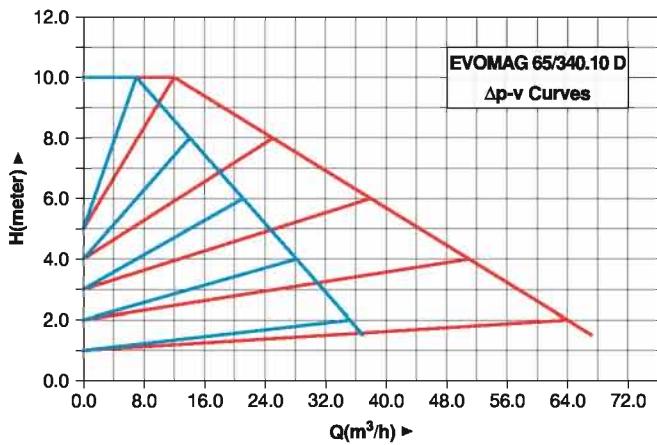
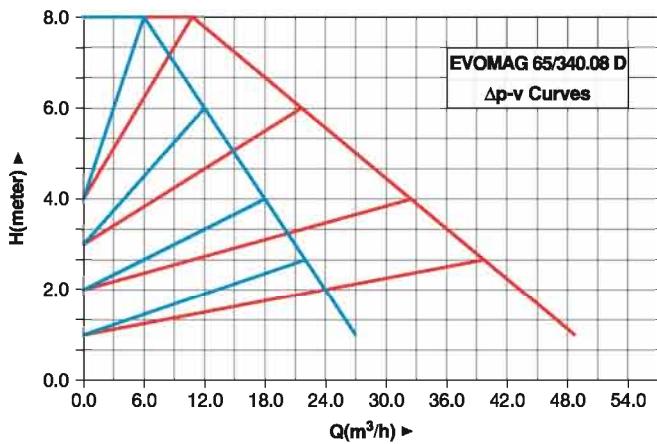
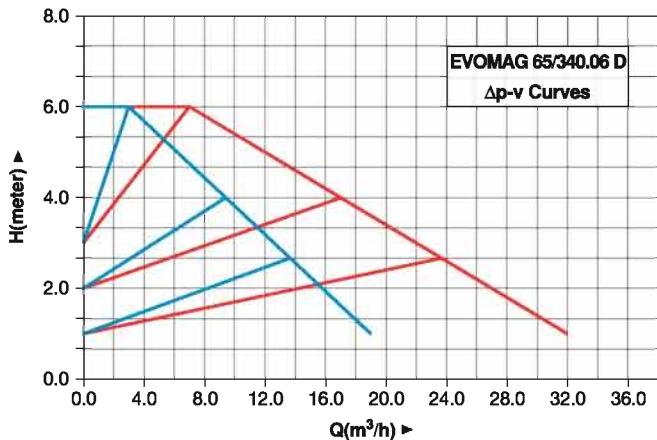
- 0,1mWs set point accuracy
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### Maximum protection to ensure long life

- Stainless steel rotor protection liner
- Dry running protection
- High temperature protection
- Low and high voltage protection
- Blockage protection
- Built-in check valve

### Electronic system characteristics

- Latest generation IGBT unit
- Sine-wave PWM modulation
- High carrier frequency to eliminate all audio band noise
- Optimised vector algorithm



## ELECTRONIC CIRCULATORS

High efficiency  
with permanent magnet rotor



## TWIN ELECTRONIC CIRCULATING PUMPS

e **evomag** SERIES



### DESCRIPTION

EvoMag series twin circulating pumps are designed with intelligent electronic controlled motor including magnetic rotor to ensure;

- High performance
- Low energy consumption (EEI 0.23)
- Easy product installation and operation.

EvoMag series are suitable for heating systems, air conditioning and cooling systems, heat pump systems and solar heating systems.

### FEATURES

- High efficiency with permanent magnet rotor
- Intelligent electronic controlled motor
- Perfect designed hydraulics
- Built-in check valve to avoid water recirculating through the unit when not running
- Blank flange is supplied as standard for maintenance



PRODUCT CODE	MODEL	CENTER DISTANCE (mm)	FLANGE SIZE	EEI	POWER (W)	VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM PRESSURE (mss)
0204.8001	EVOMAG 80/360.08 D	360	DN 80	EEI≤ 0.23	2x385	1x230	32.0	8.0
0204.8003	EVOMAG 80/360.10 D	360	DN 80	EEI≤ 0.23	2x655	1x230	44.0	10.0
0204.8005	EVOMAG 80/360.15 D	360	DN 80	EEI≤ 0.23	2x960	1x230	57.0	15.0

### TECHNICAL INFORMATION

- Voltage (Single phase) : 1N~50-60 Hz 230 V±%10
- Liquid temperature range : -10 ~ +110°C
- Max working pressure : 10 Bar
- Protection level : IP 44
- Insulation class : F
- Installation : Motor axis horizontal

### MATERIAL DETAILS

PART	DESCRIPTION
Pump body	Cast iron
Motor body	Die-cast aluminium
Shaft	Stainless steel
Impeller	Technopolymer

### Modes of operation

- ΔP-v proportional differential pressure adjustment mode
- ΔP-c constant differential pressure adjustment mode
- Constant curve adjustment modes

### Easy to use interface

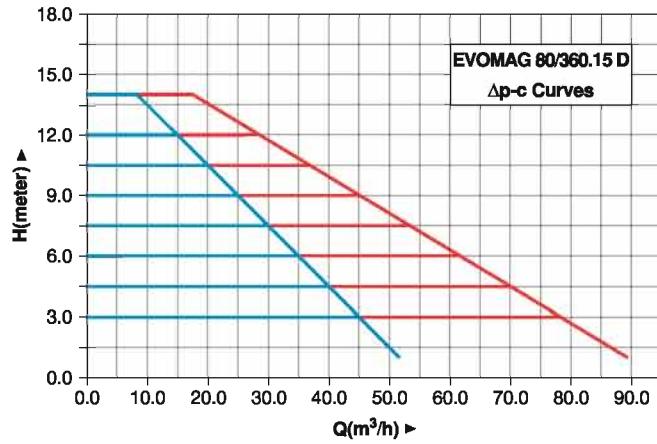
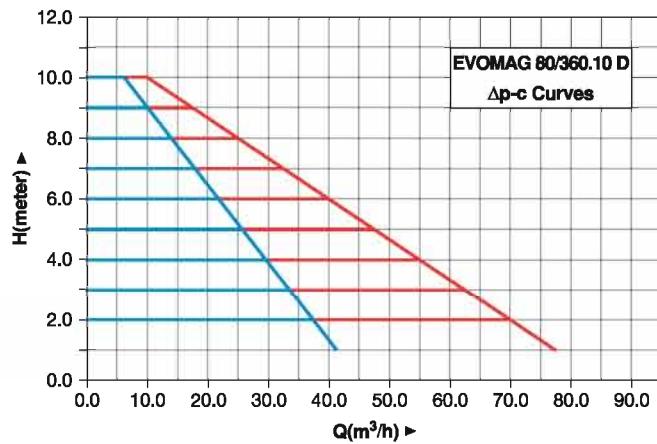
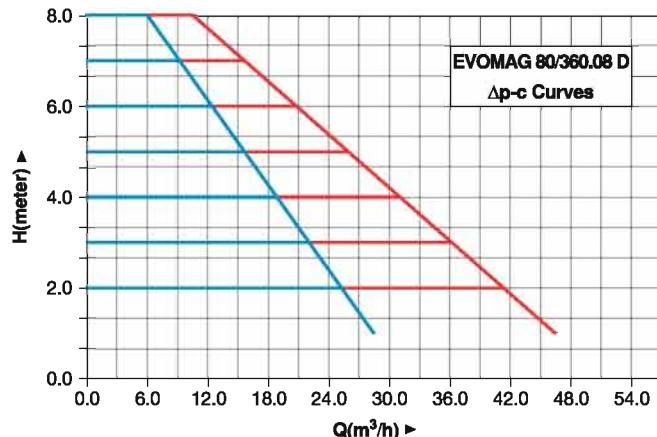
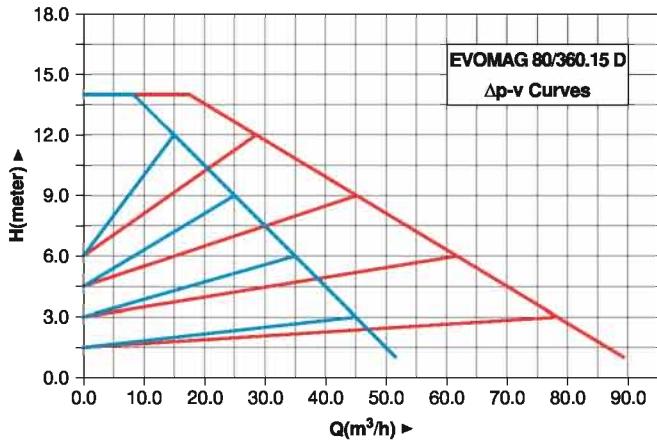
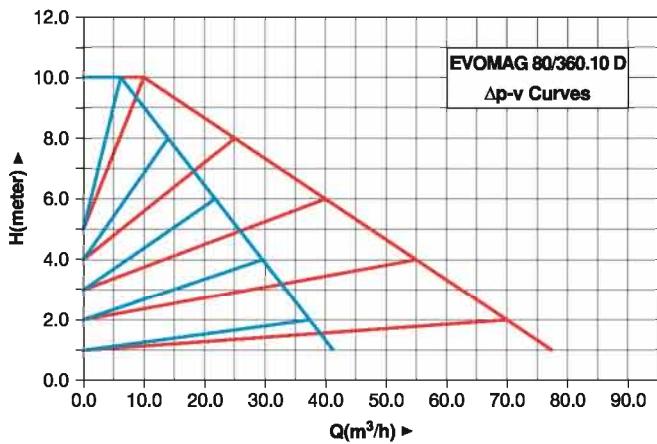
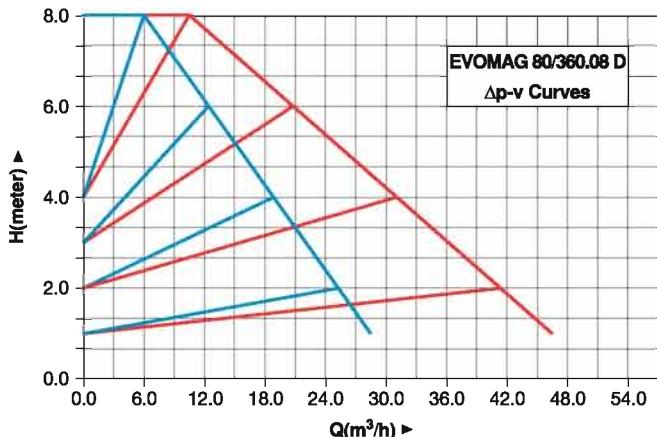
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### Electronic system characteristics

- Latest generation IGBT unit
- Sine-wave PWM modulation
- High carrier frequency to eliminate all audio band noise
- Optimised vector algorithm





Water is life  
**MASTER**<sup>®</sup>  
Pumps



## DECLARATION OF CONFORMITY

We hereby declare the circulator models written below are in conformity with related European Directives and Standards.

Manufacturer Name : Hidrotank Hidrofor ve Genleşme Tankı Üre. San. Tic. Ltd. Şti.

Address : Yunus Emre Mahallesi Süleymaniye Sokak No:14A  
Sancaktepe 34791 İstanbul - Türkiye

Phone : +90 216 508 12 12

Brand Name : Master Pumps

Origin : Turkey

Model(s) : YMN 40/250.07 - YMN 40/250.12 - YMN 50/280.07  
ACR 40/250.07 - ACR 40/250.12  
ACR 50/280.07 - ACR 50/280.12  
ACR 65/340.07 - ACR 65/340.12  
ACR 80/360.07 - ACR 80/360.10

Directive(s) : 2014/35/EU LVD Directive  
2006/42/EU Machinery Directive

Standard(s) : TS EN 60335-1:2012  
TS EN 60335-2-41:2004  
TS EN 60204-1:2008  
TS EN ISO 12100:2011

  
Hidrotank  
HİDROTANK HİDROFOR VE GENLEŞME TANKI  
ÜRETİM İŞLETMESİ TİCARET LTD. ŞTİ.  
Yunus Emre Mahallesi Süleymaniye Sokak No:14A  
Sancaktepe 34791 İstanbul / TÜRKİYE  
Tel: 0 216 508 12 12 (pbx) Fax: 0 216 420 12 39  
Sultangazi V.D.: 4620397830 Tİ.C.Sı. No: 745117-0  
Mursis No: 0462336733000010 | [www.hidrotank.com](http://www.hidrotank.com)

15/09/2018

# STANDARD TEST & INSPECTION



## UYGUNLUK SERTİFİKASI

ATTESTATION OF COMPLIANCE

**Belge No**  
Certificate Nr.

: MD-2020-09-FQC-005-UD1

**Firmanın adı**  
Name and Address of the Company

: Hidrotank Hidrofor ve Genleşme Tankı Üretim İnşaat Sanayi Ticaret Ltd Şti

**Adres**  
Address

: Yunus Emre Mah. Süleymaniye Sk. No 14 A PK 34791 Sancaktepe İstanbul Türkiye

**Ürün Adı**  
Product Name

: Tek ve İkiz Elektronik Sirkülasyon Pompa/  
Single and Twin Type Electronic Circulation Pump

**Marka/Model/Tip**  
Mark/Model/Type

:  WATER IS LIFE  
MASTER PUMPS / Evomag/ 25-32-40-50-65-80

**Referans Standart(lar)**  
Reference Standard(s)

: TS EN ISO 12100: 2010, TS EN 60204-1:2018  
: TS EN 809+A1:2010/AC:2011  
2014/35/EU Low voltage directive

*The technical file and test report of the above product have been checked and found in compliance with 2006/42/EC on October 2<sup>nd</sup> 2016 mechanical safety directive by European Union Technical Committee. It confirms that the listed equipment (not annex IV equipment) complies with the principal protection requirement of the directives.*

*Other relevant Directives have to be observed. With reference technical file of the product is considered to conform to the Internal Production Control of the above-mentioned EC Directive. This certificate does not abrogate the compulsory obligation of the manufacturer to issue the declaration of conformity and Compliance with the essential safety requirements*

Teknik Dosya ve test raporları incelenerek, belirtilen ürünün Avrupa Birliği Teknik Komisyonu tarafından 2 Ekim 2016 tarihinde yayınlanan 2006/42/AT Makine Emniyet Yönetmeliği uygunluğu saptanmıştır. Listelenen teçhizatın (EK IV hariç) direktiflerin temel koruma şartlarına uygun olduğunu belirtir.

Diğer ilgili direktiflere uyulmalıdır. Referans teknik dosya ile ürünün yukarıda belirtilen AT Direktifi iç üretim kontrollerine uygunluğu kabul edilir. Bu sertifika üreticinin uygunluk beyanı düzenleme ve Temel Gereklerle uyum zorunluluğunu ortadan kaldırır.

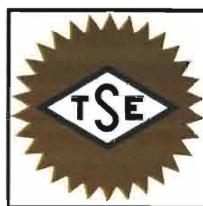
**Sertifika Düzenleme Tarihi**  
Issue Date : 28.09.2020



**Genel Müdür**  
General Manager



FQC STANDARD SERTİFİKASYON MUAYENE LABORATUVAR VE EĞİTİM HİZMETLERİ A.Ş.  
Güzelyurt Mahallesi 5775 Sokak No:34/A Yunusemre/ MANİSA  
TEL: +90 236 302 01 44; FAX: +90 236 302 01 43  
E-mail: [standard@fqcstandard.com.tr](mailto:standard@fqcstandard.com.tr)  
Web : [www.standardturk.com](http://www.standardturk.com)



**TÜRK STANDARDLARI ENSTİTÜSÜ**  
**TÜRK STANDARDLARINA UYGUNLUK BELGESİ**  
**TURKISH STANDARDS INSTITUTION**  
**CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Tanımı      Description of the Mark  
**TSE** ve ya/or      ve ya/or **TSE**

<b>BELGE NUMARASI</b> REFERENCE NUMBER OF LICENCE	012719-TSE-02/01
<b>BELGENİN İLK VERİLİŞ TARİHİ</b> DATE OF FIRST ISSUE OF LICENCE	18.06.2019
<b>BELGENİN SON GEÇERLİLİK TARİHİ</b> LICENCE VALID UNTIL	18.06.2022
<b>BELGE SAHİBİ KURULUŞUN ADI</b> NAME OF THE LICENCE HOLDER	HİDROTANK HİDROFOR VE GENLEŞME TANKİ ÜRETİM İNŞAAT SANAYİ TİCARET LTD. ŞTİ.
<b>BELGE SAHİBİ KURULUŞUN ADRESİ</b> ADDRESS OF THE LICENCE HOLDER	YUNUS EMRE MAH. SÜLEYMANİYE SK. NO:14 A SANCaktepe İSTANBUL/TÜRKİYE
<b>ÜRETİM YERİ ADI</b> NAME OF THE MANUFACTURING PLACE	HİDROTANK HİDROFOR VE GENLEŞME TANKİ ÜRETİM İNŞAAT SANAYİ TİCARET LTD. ŞTİ.
<b>ÜRETİM YERİ ADRESİ</b> ADDRESS OF THE MANUFACTURING PLACE	YUNUS EMRE MAH. SÜLEYMANİYE SOK. NO:14/A SANCaktepe İSTANBUL / TÜRKİYE
<b>İPTAL EDİLEN BELGE NUMARASI (Varsa)</b> INDICATION OF SUPERSEDED LICENCE (if any)	
<b>TESCİLLİ TİCARİ MARKASI</b> REGISTERED TRADE MARK	2014 82323
<b>İLGİLİ TÜRK STANDARDI</b> RELATED TURKISH STANDARD	TS EN 16297-1 / 29.04.2014
<b>BELGE KAPSAMI</b> SCOPE OF LICENCE	TEK BAŞINA (BAĞIMSIZ) ÇALIŞAN SİRKÜLASYON POMPALARı SICAK SU ISITMA SİSTEMLERİNDE VE SOĞUTMA SİSTEMLERİNDE KULLANILMASI AMAÇLANAN - SÜREKLİ DEĞİŞKEN HİZ KADEMELİ - SICAKLIK SINIFI: TF 110 TİCARI MODEL: EVOMAG

e-imzalı/e-signed

28.06.2021

Belgelendirme Merkezi Başkanı Adına  
AHMET NURSİ KARTAL

TSE İSTANBUL BELGELENDİRME MÜDÜRÜ

\*Bu belge, belgelendirme üçün, 45 gün içinde Ertelemehausa belirtilmiş şarttan karşılığındır ve geçerlidir.

\*Bu belge, bir bir tarihe tarih verilmesi, istenilen veya olumsuzluk sonucundan kaybedilebilir ve bu tarihi geçerli olmaz.

\*TSE İSTANBUL BELGELENDİRME MÜDÜRLÜĞÜ\* Adres: Çayırıva Tren İstasyonu Yanı ÇAYIROVA GEMEZE Telefon: 2827231273 Faks: 2827231000

\*TSE BELGELENDİRME MERKEZ BAŞKANLIĞI\* Adres: Necatibey Cad. No:112 06190 Bakırkızı ANKARA – Telefon: 0 312 416 06 17 Faks: 0 312 416 06 17 E-posta: bmtb@tse.org.tr web: www.tse.org.tr



1 / 1

<https://evrakkontrol.tse.org.tr/BelgeDogrulama.aspx?p=whimoyza> adresinden belgenin doğruluğunu ve geçerliliğini sorgulayınız.



Water is life  
**MASTER<sup>®</sup>**  
Pumps

**VERTICAL  
MULTISTAGE BOOSTER SETS**

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



### DESCRIPTION

Vertical multistage centrifugal booster sets suitable for use in small and medium water supply installations. Frequency controlled models are available on request.

### TECHNICAL INFORMATION

■ Voltage (Single phase)	: 1N~50-60 Hz 230 V±%10
■ Voltage (Three phase)	: 3N~50-60 Hz 400 V±%10
■ Max liquid temperature	: +40°C
■ Max working pressure	: 16 Bar
■ Max ambient temperature	: +40°C
■ Protection level	: IP 55
■ Insulation class	: F
■ Installation	: Vertical position

### MATERIAL DETAILS

PART	DESCRIPTION
Mechanical seals	Carbon/Ceramic
Impeller	Technopolymer
Diffuser	Technopolymer
Motor body	Aluminium
Pump shaft	AISI 304 stainless steel
Pump liner	AISI 304 stainless steel
Discharge and suction body	Cast iron
O-ring	NBR

### SINGLE PUMP BOOSTER SET CONTENT

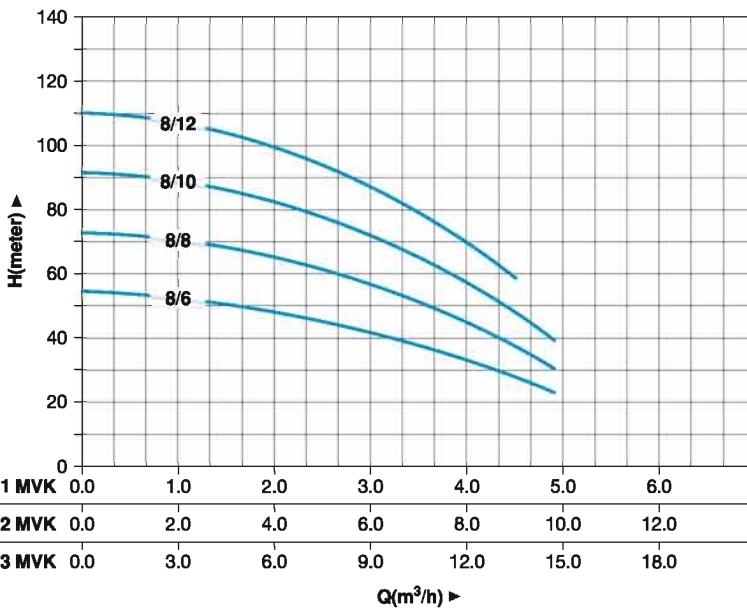
- Galvanized threaded manifold at discharge
- Noise free check valve
- Float switch (5 meter cable)
- Electric control panel
- Pressure switch
- Pressure gauge
- Galvanized sheet base complete with anti-vibration rubber feet

### DOUBLE PUMP BOOSTER SET CONTENT

- Galvanized threaded manifolds at discharge and suction
- Ball valves for each pumps
- Noise free check valves
- Float switch (5 meter cable)
- Electric control panel with equal aging feature
- Pressure switches
- Pressure gauge
- Galvanized sheet base complete with anti-vibration rubber feet



#### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

#### 1 MVK 8 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
2010.0901	<b>1 MVK 8/6 M</b>	0.75	1.0	220 V - Single phase	5.0	3.0-4.5	1 1/4"	1"
2010.0902	<b>1 MVK 8/8 M</b>	1.1	1.5	220 V - Single phase	5.0	4.5-6.0	1 1/4"	1"
2010.0903	<b>1 MVK 8/10 M</b>	1.5	2.0	220 V - Single phase	5.0	6.5-8.0	1 1/4"	1"
2010.0904	<b>1 MVK 8/12 M</b>	1.5	2.0	220 V - Single phase	5.0	8.0-10.0	1 1/4"	1"

#### 2 MVK 8 SERIES

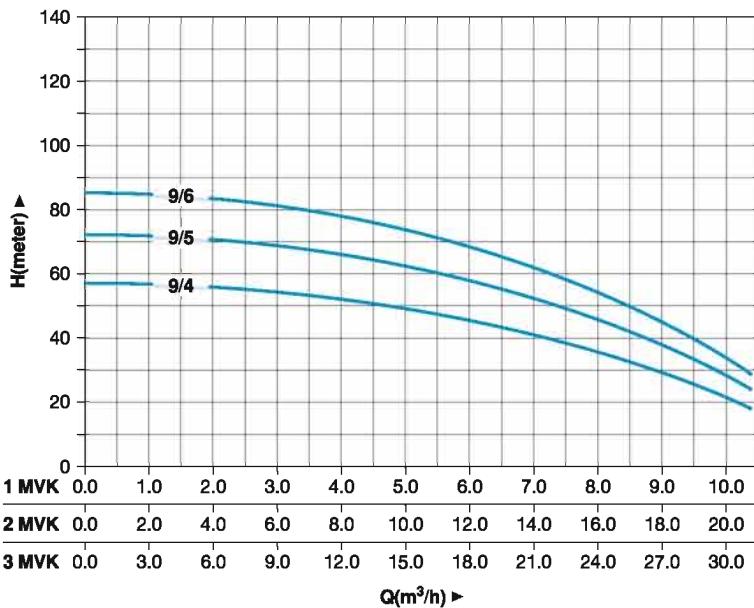
2020.0901	<b>2 MVK 8/6 M</b>	2x0.75	2x1.0	220 V - Single phase	2x5.0	3.0-4.5	1 1/4"	1 1/4"
2020.0902	<b>2 MVK 8/8 M</b>	2x1.1	2x1.5	220 V - Single phase	2x5.0	4.5-6.0	1 1/4"	1 1/4"
2020.0903	<b>2 MVK 8/10 M</b>	2x1.5	2x2.0	220 V - Single phase	2x5.0	6.5-8.0	1 1/4"	1 1/4"
2020.0904	<b>2 MVK 8/12 M</b>	2x1.5	2x2.0	220 V - Single phase	2x5.0	8.0-10.0	1 1/4"	1 1/4"

#### 3 MVK 8 SERIES

2030.0901	<b>3 MVK 8/6 M</b>	3x0.75	3x1.0	220 V - Single phase	3x5.0	3.0-4.5	1 1/2"	1 1/2"
2030.0902	<b>3 MVK 8/8 M</b>	3x1.1	3x1.5	220 V - Single phase	3x5.0	4.5-6.0	1 1/2"	1 1/2"
2030.0903	<b>3 MVK 8/10 M</b>	3x1.5	3x2.0	220 V - Single phase	3x5.0	6.5-8.0	1 1/2"	1 1/2"
2030.0904	<b>3 MVK 8/12 M</b>	3x1.5	3x2.0	220 V - Single phase	3x5.0	8.0-10.0	1 1/2"	1 1/2"



#### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

#### 1 MVK 9 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
2010.0905	<b>1 MVK 9/4 M</b>	1.5	2.0	220 V - Single phase	10.0	3.5-5.0	1 1/4"	1 1/4"
2010.0906	<b>1 MVK 9/5 M</b>	1.5	2.0	220 V - Single phase	10.0	4.0-6.0	1 1/4"	1 1/4"
2010.0907	<b>1 MVK 9/6 M</b>	2.2	3.0	220 V - Single phase	10.0	5.0-7.0	1 1/4"	1 1/4"

#### 2 MVK 9 SERIES

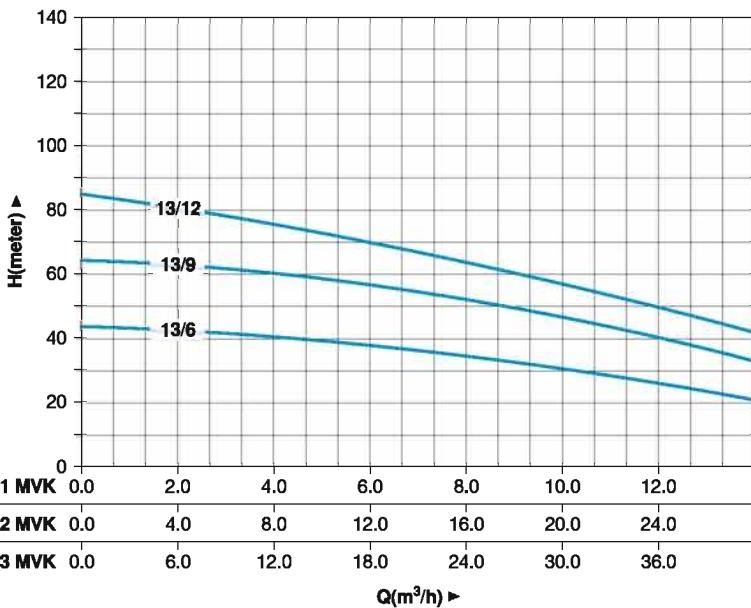
2020.0905	<b>2 MVK 9/4 M</b>	2x1.5	2x2.0	220 V - Single phase	2x10.0	3.5-5.0	2"	2"
2020.0906	<b>2 MVK 9/5 M</b>	2x1.5	2x2.0	220 V - Single phase	2x10.0	4.0-6.0	2"	2"
2020.0907	<b>2 MVK 9/6 M</b>	2x2.2	2x3.0	220 V - Single phase	2x10.0	5.0-7.0	2"	2"

#### 3 MVK 9 SERIES

2030.0905	<b>3 MVK 9/4 M</b>	3x1.5	3x2.0	220 V - Single phase	3x10.0	3.5-5.0	3"	2 1/2"
2030.0906	<b>3 MVK 9/5 M</b>	3x1.5	3x2.0	220 V - Single phase	3x10.0	4.0-6.0	3"	2 1/2"
2030.0907	<b>3 MVK 9/6 M</b>	3x2.2	3x3.0	220 V - Single phase	3x10.0	5.0-7.0	3"	2 1/2"



### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

### 1 MVK 13 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
2010.0908	<b>1 MVK 13/6 M</b>	1.1	1.5	220 V - Single phase	14.0	3.0-4.0	1 1/4"	1 1/4"
2010.0909	<b>1 MVK 13/9 M</b>	1.5	2.0	220 V - Single phase	14.0	4.5-6.0	1 1/4"	1 1/4"
2010.0910	<b>1 MVK 13/12 M</b>	2.2	3.0	220 V - Single phase	14.0	6.0-7.5	1 1/4"	1 1/4"

### 2 MVK 13 SERIES

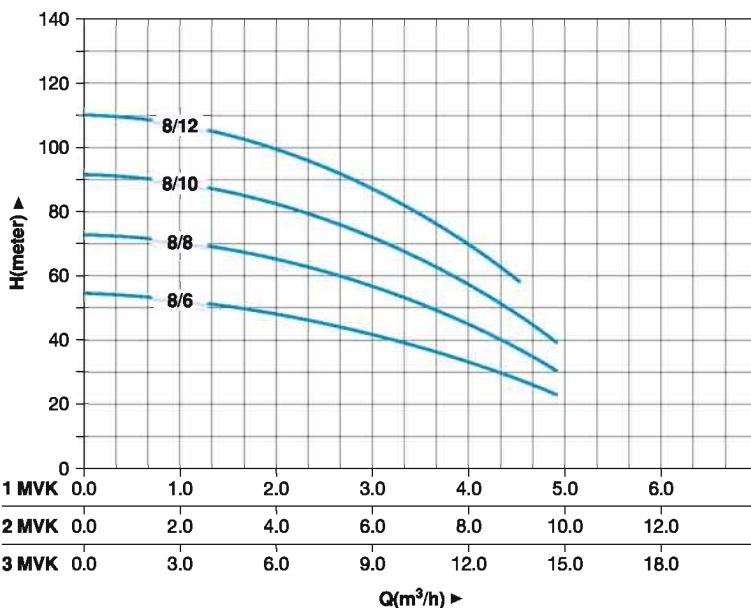
2020.0908	<b>2 MVK 13/6 M</b>	2x1.1	2x1.5	220 V - Single phase	2x14.0	3.0-4.0	2"	2"
2020.0909	<b>2 MVK 13/9 M</b>	2x1.5	2x2.0	220 V - Single phase	2x14.0	4.5-6.0	2"	2"
2020.0910	<b>2 MVK 13/12 M</b>	2x2.2	2x3.0	220 V - Single phase	2x14.0	6.0-7.5	2"	2"

### 3 MVK 13 SERIES

2030.0908	<b>3 MVK 13/6 M</b>	3x1.1	3x1.5	220 V - Single phase	3x14.0	3.0-4.0	3"	2 1/2"
2030.0909	<b>3 MVK 13/9 M</b>	3x1.5	3x2.0	220 V - Single phase	3x14.0	4.5-6.0	3"	2 1/2"
2030.0910	<b>3 MVK 13/12 M</b>	3x2.2	3x3.0	220 V - Single phase	3x14.0	6.0-7.5	3"	2 1/2"



#### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

#### 1 MVK 8 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0901	<b>1 MVK 8/6 T</b>	0.75	1.0	380 V - Three phase	5.0	3.0-4.5	1 1/4"	1"
9010.0902	<b>1 MVK 8/8 T</b>	1.1	1.5	380 V - Three phase	5.0	4.5-6.0	1 1/4"	1"
9010.0903	<b>1 MVK 8/10 T</b>	1.5	2.0	380 V - Three phase	5.0	6.5-8.0	1 1/4"	1"
9010.0904	<b>1 MVK 8/12 T</b>	1.5	2.0	380 V - Three phase	5.0	8.0-10.0	1 1/4"	1"

#### 2 MVK 8 SERIES

9020.0901	<b>2 MVK 8/6 T</b>	2x0.75	2x1.0	380 V - Three phase	2x5.0	3.0-4.5	1 1/4"	1 1/4"
9020.0902	<b>2 MVK 8/8 T</b>	2x1.1	2x1.5	380 V - Three phase	2x5.0	4.5-6.0	1 1/4"	1 1/4"
9020.0903	<b>2 MVK 8/10 T</b>	2x1.5	2x2.0	380 V - Three phase	2x5.0	6.5-8.0	1 1/4"	1 1/4"
9020.0904	<b>2 MVK 8/12 T</b>	2x1.5	2x2.0	380 V - Three phase	2x5.0	8.0-10.0	1 1/4"	1 1/4"

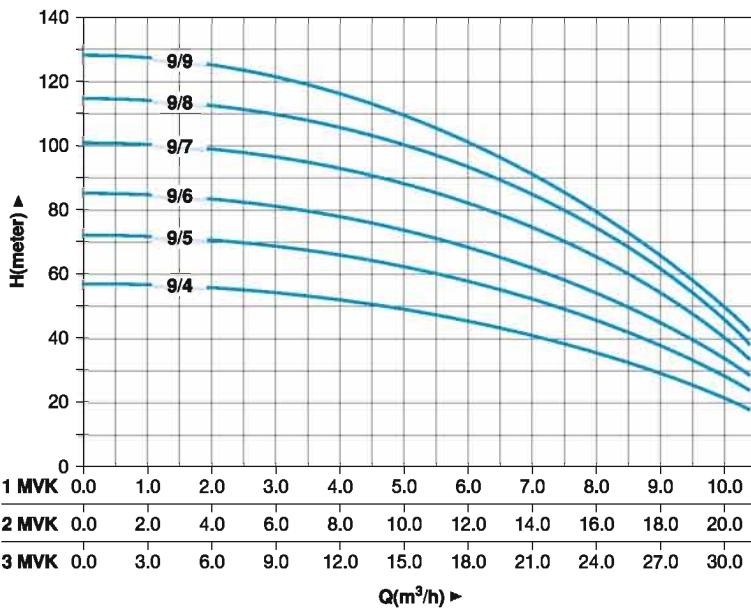
#### 3 MVK 8 SERIES

9030.0901	<b>3 MVK 8/6 T</b>	3x0.75	3x1.0	380 V - Three phase	3x5.0	3.0-4.5	1 1/2"	1 1/2"
9030.0902	<b>3 MVK 8/8 T</b>	3x1.1	3x1.5	380 V - Three phase	3x5.0	4.5-6.0	1 1/2"	1 1/2"
9030.0903	<b>3 MVK 8/10 T</b>	3x1.5	3x2.0	380 V - Three phase	3x5.0	6.5-8.0	1 1/2"	1 1/2"
9030.0904	<b>3 MVK 8/12 T</b>	3x1.5	3x2.0	380 V - Three phase	3x5.0	8.0-10.0	1 1/2"	1 1/2"

## VERTICAL MULTISTAGE BOOSTER SETS

### MVK 9 SERIES - THREE PHASE

#### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

#### 1 MVK 9 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m <sup>3</sup> /h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0905	<b>1 MVK 9/4 T</b>	1.5	2.0	380 V - Three phase	10.0	3.5-5.0	1 1/4"	1 1/4"
9010.0906	<b>1 MVK 9/5 T</b>	1.5	2.0	380 V - Three phase	10.0	4.0-6.0	1 1/4"	1 1/4"
9010.0907	<b>1 MVK 9/6 T</b>	2.2	3.0	380 V - Three phase	10.0	5.0-7.0	1 1/4"	1 1/4"
9010.0908	<b>1 MVK 9/7 T</b>	2.2	3.0	380 V - Three phase	10.0	7.0-9.0	1 1/4"	1 1/4"
9010.0909	<b>1 MVK 9/8 T</b>	3.0	4.0	380 V - Three phase	10.0	8.0-10.0	1 1/4"	1 1/4"
9010.0910	<b>1 MVK 9/9 T</b>	3.0	4.0	380 V - Three phase	10.0	10.0-12.0	1 1/4"	1 1/4"

#### 2 MVK 9 SERIES

9020.0905	<b>2 MVK 9/4 T</b>	2x1.5	2x2.0	380 V - Three phase	2x10.0	3.5-5.0	2"	2"
9020.0906	<b>2 MVK 9/5 T</b>	2x1.5	2x2.0	380 V - Three phase	2x10.0	4.0-6.0	2"	2"
9020.0907	<b>2 MVK 9/6 T</b>	2x2.2	2x3.0	380 V - Three phase	2x10.0	5.0-7.0	2"	2"
9020.0908	<b>2 MVK 9/7 T</b>	2x2.2	2x3.0	380 V - Three phase	2x10.0	7.0-9.0	2"	2"
9020.0909	<b>2 MVK 9/8 T</b>	2x3.0	2x4.0	380 V - Three phase	2x10.0	8.0-10.0	2"	2"
9020.0910	<b>2 MVK 9/9 T</b>	2x3.0	2x4.0	380 V - Three phase	2x10.0	10.0-12.0	2"	2"

#### 3 MVK 9 SERIES

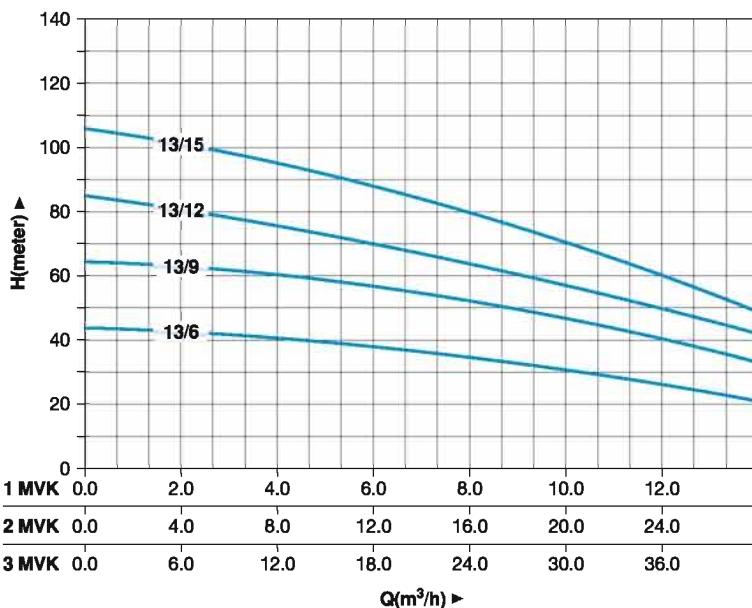
9030.0906	<b>3 MVK 9/5 T</b>	3x1.5	3x2.0	380 V - Three phase	3x10.0	4.0-6.0	3"	2 1/2"
9030.0907	<b>3 MVK 9/6 T</b>	3x2.2	3x3.0	380 V - Three phase	3x10.0	5.0-7.0	3"	2 1/2"
9030.0908	<b>3 MVK 9/7 T</b>	3x2.2	3x3.0	380 V - Three phase	3x10.0	7.0-9.0	3"	2 1/2"
9030.0909	<b>3 MVK 9/8 T</b>	3x3.0	3x4.0	380 V - Three phase	3x10.0	8.0-10.0	3"	2 1/2"
9030.0910	<b>3 MVK 9/9 T</b>	3x3.0	3x4.0	380 V - Three phase	3x10.0	10.0-12.0	3"	2 1/2"

## VERTICAL MULTISTAGE BOOSTER SETS

### MVK 13 SERIES - THREE PHASE



#### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

#### 1 MVK 13 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0916	<b>1 MVK 13/6 T</b>	1.1	1.5	380 V - Three phase	14.0	3.0-4.0	1 1/4"	1 1/4"
9010.0917	<b>1 MVK 13/9 T</b>	1.5	2.0	380 V - Three phase	14.0	4.5-6.0	1 1/4"	1 1/4"
9010.0918	<b>1 MVK 13/12 T</b>	2.2	3.0	380 V - Three phase	14.0	6.0-7.5	1 1/4"	1 1/4"
9010.0919	<b>1 MVK 13/15 T</b>	3.0	4.0	380 V - Three phase	14.0	7.5-9.5	1 1/4"	1 1/4"

#### 2 MVK 13 SERIES

9020.0916	<b>2 MVK 13/6 T</b>	2x1.1	2x1.5	380 V - Three phase	2x14.0	3.0-4.0	2"	2"
9020.0917	<b>2 MVK 13/9 T</b>	2x1.5	2x2.0	380 V - Three phase	2x14.0	4.5-6.0	2"	2"
9020.0918	<b>2 MVK 13/12 T</b>	2x2.2	2x3.0	380 V - Three phase	2x14.0	6.0-7.5	2"	2"
9020.0919	<b>2 MVK 13/15 T</b>	2x3.0	2x4.0	380 V - Three phase	2x14.0	7.5-9.5	2"	2"

#### 3 MVK 13 SERIES

9030.0916	<b>3 MVK 13/6 T</b>	3x1.1	3x1.5	380 V - Three phase	3x14.0	3.0-4.0	3"	2 1/2"
9030.0917	<b>3 MVK 13/9 T</b>	3x1.5	3x2.0	380 V - Three phase	3x14.0	4.5-6.0	3"	2 1/2"
9030.0918	<b>3 MVK 13/12 T</b>	3x2.2	3x3.0	380 V - Three phase	3x14.0	6.0-7.5	3"	2 1/2"
9030.0919	<b>3 MVK 13/15 T</b>	3x3.0	3x4.0	380 V - Three phase	3x14.0	7.5-9.5	3"	2 1/2"

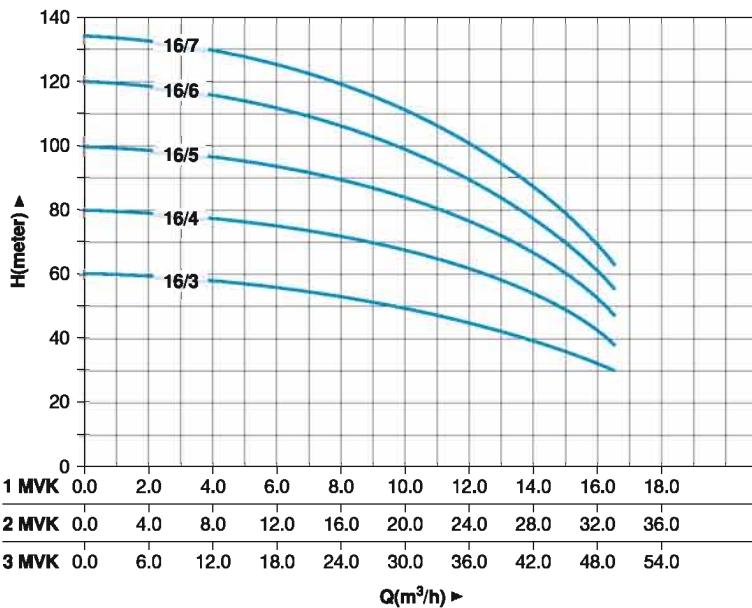


## VERTICAL MULTISTAGE BOOSTER SETS

### MVK 16 SERIES - THREE PHASE



#### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

#### 1 MVK 16 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0911	<b>1 MVK 16/3 T</b>	3.0	4.0	380 V - Three phase	16.0	4.0-5.0	1 1/2"	1 1/2"
9010.0912	<b>1 MVK 16/4 T</b>	4.0	5.5	380 V - Three phase	16.0	5.0-7.0	1 1/2"	1 1/2"
9010.0913	<b>1 MVK 16/5 T</b>	4.0	5.5	380 V - Three phase	16.0	7.0-9.0	1 1/2"	1 1/2"
9010.0914	<b>1 MVK 16/6 T</b>	5.5	7.5	380 V - Three phase	16.0	9.0-11.0	1 1/2"	1 1/2"
9010.0915	<b>1 MVK 16/7 T</b>	5.5	7.5	380 V - Three phase	16.0	10.0-12.0	1 1/2"	1 1/2"

#### 2 MVK 16 SERIES

9020.0911	<b>2 MVK 16/3 T</b>	2x3.0	2x4.0	380 V - Three phase	2x16.0	4.0-5.0	2 1/2"	2"
9020.0912	<b>2 MVK 16/4 T</b>	2x4.0	2x5.5	380 V - Three phase	2x16.0	5.0-7.0	2 1/2"	2"
9020.0913	<b>2 MVK 16/5 T</b>	2x4.0	2x5.5	380 V - Three phase	2x16.0	7.0-9.0	2 1/2"	2"
9020.0914	<b>2 MVK 16/6 T</b>	2x5.5	2x7.5	380 V - Three phase	2x16.0	9.0-11.0	2 1/2"	2"
9020.0915	<b>2 MVK 16/7 T</b>	2x5.5	2x7.5	380 V - Three phase	2x16.0	10.0-12.0	2 1/2"	2"

#### 3 MVK 16 SERIES

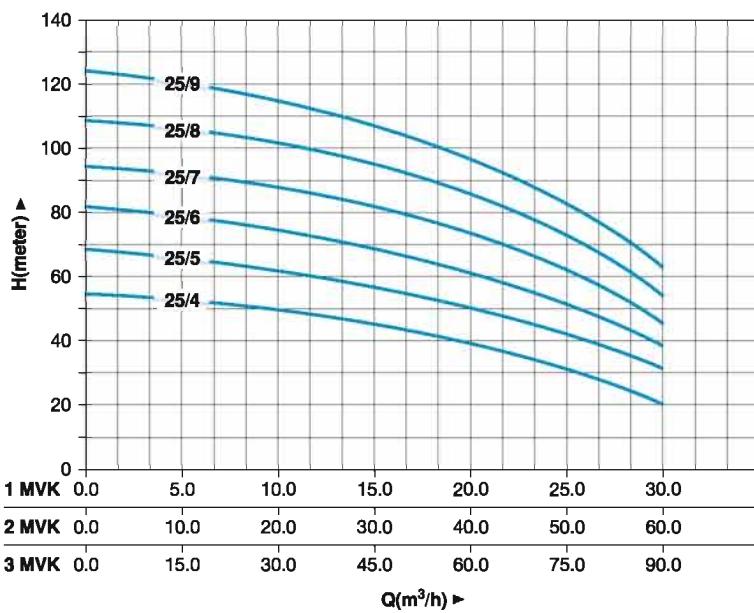
9030.0911	<b>3 MVK 16/3 T</b>	3x3.0	3x4.0	380 V - Three phase	3x16.0	4.0-5.0	3"	2 1/2"
9030.0912	<b>3 MVK 16/4 T</b>	3x4.0	3x5.5	380 V - Three phase	3x16.0	5.0-7.0	3"	2 1/2"
9030.0913	<b>3 MVK 16/5 T</b>	3x4.0	3x5.5	380 V - Three phase	3x16.0	7.0-9.0	3"	2 1/2"
9030.0914	<b>3 MVK 16/6 T</b>	3x5.5	3x7.5	380 V - Three phase	3x16.0	9.0-11.0	3"	2 1/2"
9030.0915	<b>3 MVK 16/7 T</b>	3x5.5	3x7.5	380 V - Three phase	3x16.0	10.0-12.0	3"	2 1/2"

## VERTICAL MULTISTAGE BOOSTER SETS

### MVK 25 SERIES - THREE PHASE



#### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

#### 1 MVK 25 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0926	<b>1 MVK 25/4 T</b>	3.0	4.0	380 V - Three phase	30.0	3.0-4.5	2"	2"
9010.0927	<b>1 MVK 25/5 T</b>	4.0	5.5	380 V - Three phase	30.0	4.5-6.0	2"	2"
9010.0928	<b>1 MVK 25/6 T</b>	5.5	7.5	380 V - Three phase	30.0	5.5-7.0	2"	2"
9010.0929	<b>1 MVK 25/7 T</b>	5.5	7.5	380 V - Three phase	30.0	6.5-8.0	2"	2"
9010.0930	<b>1 MVK 25/8 T</b>	7.5	10.0	380 V - Three phase	30.0	8.0-10.0	2"	2"
9010.0931	<b>1 MVK 25/9 T</b>	7.5	10.0	380 V - Three phase	30.0	9.0-11.0	2"	2"

#### 2 MVK 25 SERIES

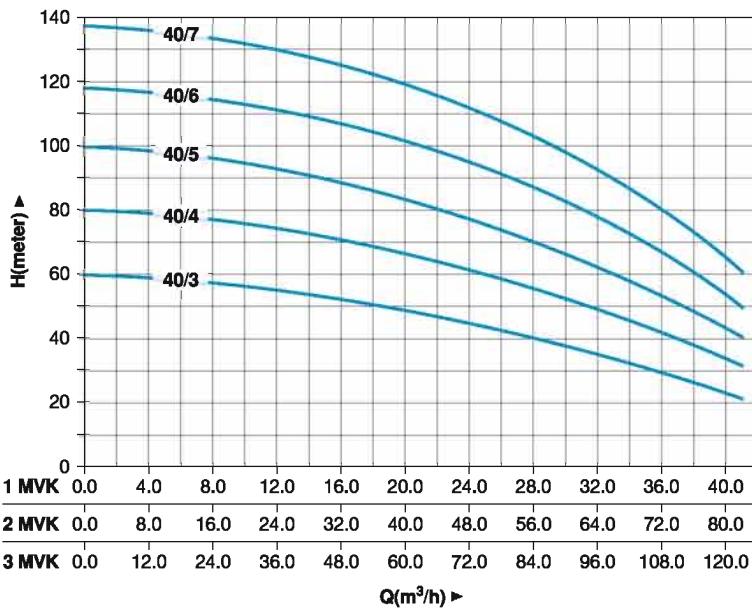
9020.0926	<b>2 MVK 25/4 T</b>	2x3.0	2x4.0	380 V - Three phase	2x30.0	3.0-4.5	3"	3"
9020.0927	<b>2 MVK 25/5 T</b>	2x4.0	2x5.5	380 V - Three phase	2x30.0	4.5-6.0	3"	3"
9020.0928	<b>2 MVK 25/6 T</b>	2x5.5	2x7.5	380 V - Three phase	2x30.0	5.5-7.0	3"	3"
9020.0929	<b>2 MVK 25/7 T</b>	2x5.5	2x7.5	380 V - Three phase	2x30.0	6.5-8.0	3"	3"
9020.0930	<b>2 MVK 25/8 T</b>	2x7.5	2x10.0	380 V - Three phase	2x30.0	8.0-10.0	3"	3"
9020.0931	<b>2 MVK 25/9 T</b>	2x7.5	2x10.0	380 V - Three phase	2x30.0	9.0-11.0	3"	3"

#### 3 MVK 25 SERIES

9030.0926	<b>3 MVK 25/5 T</b>	3x4.0	3x5.5	380 V - Three phase	3x30.0	4.5-6.0	4"	4"
9030.0927	<b>3 MVK 25/6 T</b>	3x5.5	3x7.5	380 V - Three phase	3x30.0	5.5-7.0	4"	4"
9030.0928	<b>3 MVK 25/7 T</b>	3x5.5	3x7.5	380 V - Three phase	3x30.0	6.5-8.0	4"	4"
9030.0929	<b>3 MVK 25/8 T</b>	3x7.5	3x10.0	380 V - Three phase	3x30.0	8.0-10.0	4"	4"
9030.0930	<b>3 MVK 25/9 T</b>	3x7.5	3x10.0	380 V - Three phase	3x30.0	9.0-11.0	4"	4"



#### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

#### 1 MVK 40 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0932	<b>1 MVK 40/3 T</b>	5.5	7.5	380 V - Three phase	40.0	4.0-5.5	2 1/2"	2 1/2"
9010.0933	<b>1 MVK 40/4 T</b>	7.5	10.0	380 V - Three phase	40.0	5.0-7.0	2 1/2"	2 1/2"
9010.0934	<b>1 MVK 40/5 T</b>	7.5	10.0	380 V - Three phase	40.0	7.0-9.0	2 1/2"	2 1/2"
9010.0935	<b>1 MVK 40/6 T</b>	11.0	15.0	380 V - Three phase	40.0	8.0-10.0	2 1/2"	2 1/2"
9010.0936	<b>1 MVK 40/7 T</b>	11.0	15.0	380 V - Three phase	40.0	10.0-12.0	2 1/2"	2 1/2"

#### 2 MVK 40 SERIES

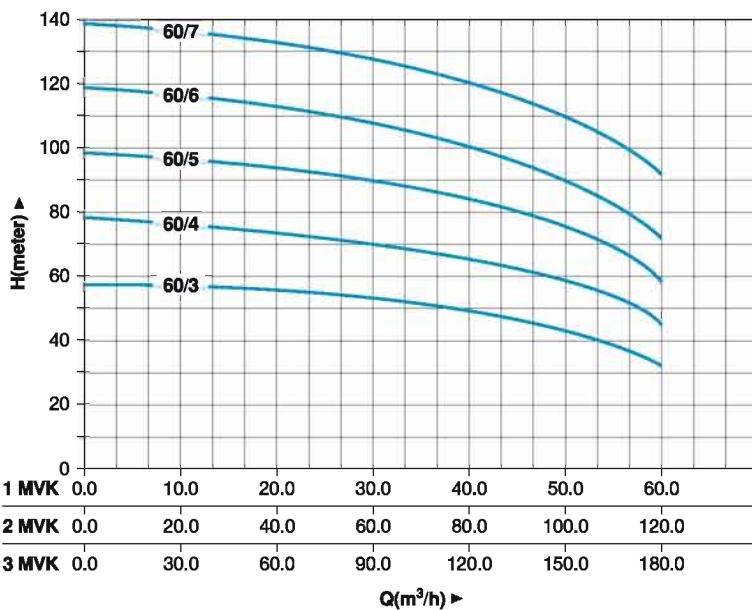
9020.0932	<b>2 MVK 40/3 T</b>	2x5.5	2x7.5	380 V - Three phase	2x40.0	4.0-5.5	4"	4"
9020.0933	<b>2 MVK 40/4 T</b>	2x7.5	2x10.0	380 V - Three phase	2x40.0	5.0-7.0	4"	4"
9020.0934	<b>2 MVK 40/5 T</b>	2x7.5	2x10.0	380 V - Three phase	2x40.0	7.0-9.0	4"	4"
9020.0935	<b>2 MVK 40/6 T</b>	2x11.0	2x15.0	380 V - Three phase	2x40.0	8.0-10.0	4"	4"
9020.0936	<b>2 MVK 40/7 T</b>	2x11.0	2x15.0	380 V - Three phase	2x40.0	10.0-12.0	4"	4"

#### 3 MVK 40 SERIES

9030.0932	<b>3 MVK 40/3 T</b>	3x5.5	3x7.5	380 V - Three phase	3x40.0	4.0-5.5	5"	4"
9030.0933	<b>3 MVK 40/4 T</b>	3x7.5	3x10.0	380 V - Three phase	3x40.0	5.0-7.0	5"	4"
9030.0934	<b>3 MVK 40/5 T</b>	3x7.5	3x10.0	380 V - Three phase	3x40.0	7.0-9.0	5"	4"
9030.0935	<b>3 MVK 40/6 T</b>	3x11.0	3x15.0	380 V - Three phase	3x40.0	8.0-10.0	5"	4"
9030.0936	<b>3 MVK 40/7 T</b>	3x11.0	3x15.0	380 V - Three phase	3x40.0	10.0-12.0	5"	4"



#### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

#### 1 MVK 60 SERIES

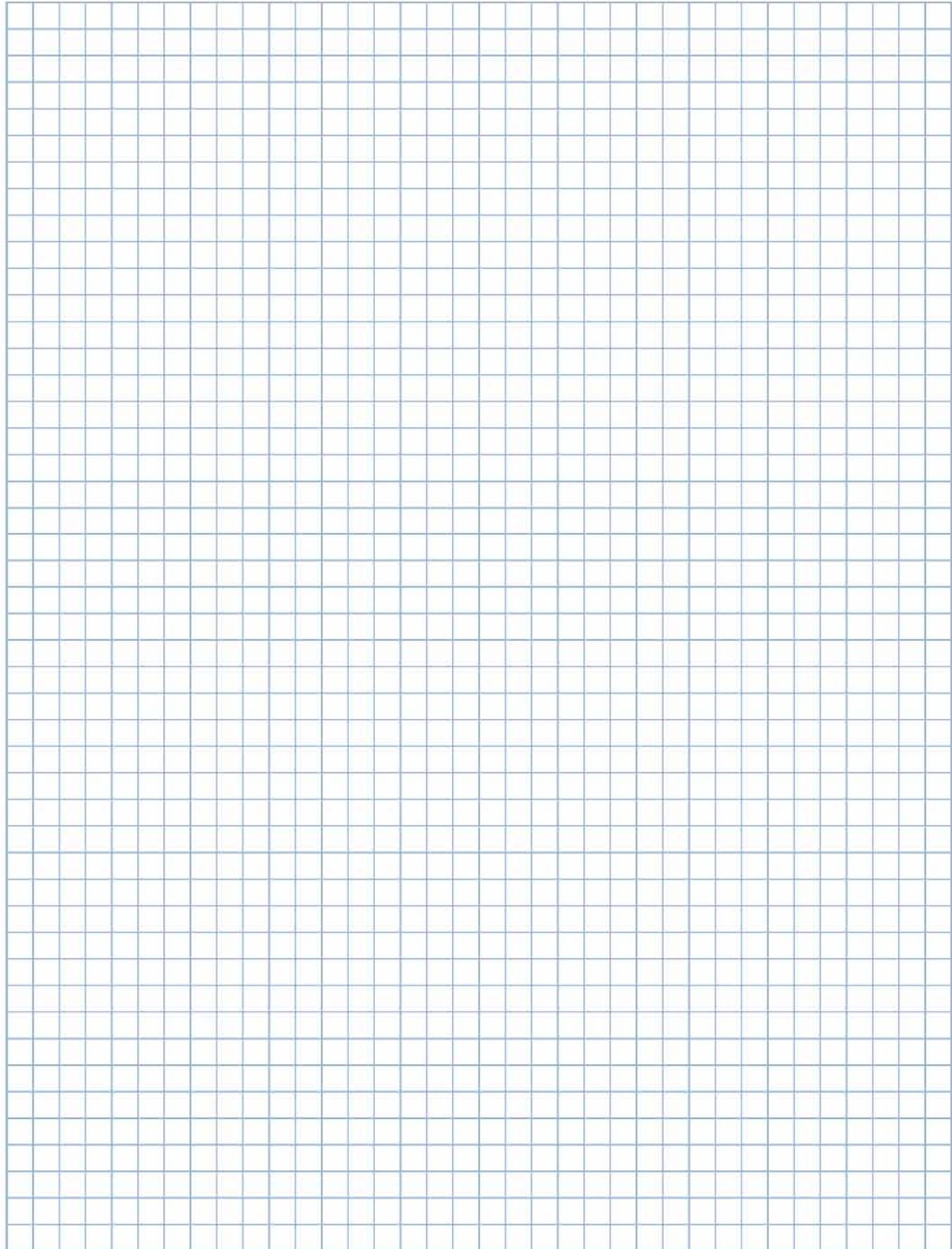
PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0938	1 MVK 60/3 T	11.0	15.0	380 V - Three phase	60.0	4.0-5.5	3"	2 1/2"
9010.0939	1 MVK 60/4 T	15.0	20.0	380 V - Three phase	60.0	5.5-7.0	3"	2 1/2"
9010.0940	1 MVK 60/5 T	15.0	20.0	380 V - Three phase	60.0	7.5-9.0	3"	2 1/2"
9010.0941	1 MVK 60/6 T	18.5	25.0	380 V - Three phase	60.0	9.0-11.0	3"	2 1/2"
9010.0942	1 MVK 60/7 T	22.0	30.0	380 V - Three phase	60.0	10.0-12.0	3"	2 1/2"

#### 2 MVK 60 SERIES

9020.0938	2 MVK 60/3 T	2x11.0	2x15.0	380 V - Three phase	2x60.0	4.0-5.5	DN 125	DN 100
9020.0939	2 MVK 60/4 T	2x15.0	2x20.0	380 V - Three phase	2x60.0	5.5-7.0	DN 125	DN 100
9020.0940	2 MVK 60/5 T	2x15.0	2x20.0	380 V - Three phase	2x60.0	7.5-9.0	DN 125	DN 100
9020.0941	2 MVK 60/6 T	2x18.5	2x25.0	380 V - Three phase	2x60.0	9.0-11.0	DN 125	DN 100
9020.0942	2 MVK 60/7 T	2x22.0	2x30.0	380 V - Three phase	2x60.0	10.0-12.0	DN 125	DN 100

#### 3 MVK 60 SERIES

9030.0938	3 MVK 60/3 T	3x11.0	3x15.0	380 V - Three phase	3x60.0	4.0-5.5	DN 150	DN 125
9030.0939	3 MVK 60/4 T	3x15.0	3x20.0	380 V - Three phase	3x60.0	5.5-7.0	DN 150	DN 125
9030.0940	3 MVK 60/5 T	3x15.0	3x20.0	380 V - Three phase	3x60.0	7.5-9.0	DN 150	DN 125
9030.0941	3 MVK 60/6 T	3x18.5	3x25.0	380 V - Three phase	3x60.0	9.0-11.0	DN 150	DN 125
9030.0942	3 MVK 60/7 T	3x22.0	3x30.0	380 V - Three phase	3x60.0	10.0-12.0	DN 150	DN 125





### DESCRIPTION

Vertical inline multistage centrifugal booster sets suitable for use in small and medium water supply installations. Frequency controlled models are available on request.

### TECHNICAL INFORMATION

- Voltage (Single phase) : 1N~50-60 Hz 230 V±%10
- Voltage (Three phase) : 3N~50-60 Hz 400 V±%10
- Max liquid temperature : +40°C
- Max working pressure : 16 Bar
- Max ambient temperature : +40°C
- Protection level : IP 55
- Insulation class : F
- Installation : Vertical position

### MATERIAL DETAILS

PART	DESCRIPTION
Mechanical seals	Carbon/Ceramic
Impeller	Technopolymer
Diffuser	Technopolymer
Motor body	Aluminium
Pump shaft	AISI 304 stainless steel
Pump liner	AISI 304 stainless steel
Discharge and suction body	Cast iron
Oring	NBR

### SINGLE PUMP BOOSTER SET CONTENT

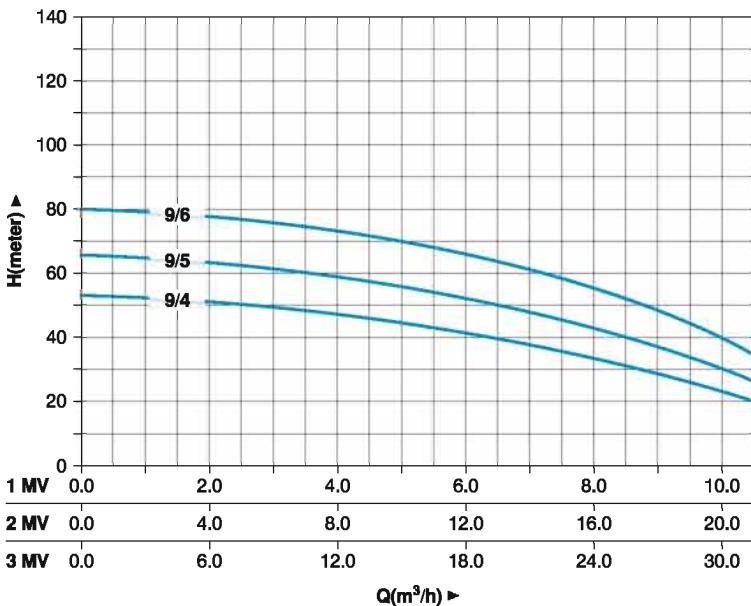
- Galvanized threaded manifold at discharge
- Noise free check valve
- Float switch (5 meter cable)
- Electric control panel
- Pressure switch
- Pressure gauge
- Galvanized sheet base complete with anti-vibration rubber feet

### DOUBLE PUMP BOOSTER SET CONTENT

- Galvanized threaded manifolds at discharge and suction
- Ball valves for each pumps
- Noise free check valves
- Float switch (5 meter cable)
- Electric control panel with equal aging feature
- Pressure switches
- Pressure gauge
- Galvanized sheet base complete with anti-vibration rubber feet



### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

#### 1 MV 9 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m <sup>3</sup> /h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
2010.0001	<b>1 MV 9/4 M</b>	1.5	2.0	220 V - Single phase	11.0	3.5-4.5	1 1/4"	1 1/4"
2010.0002	<b>1 MV 9/5 M</b>	1.5	2.0	220 V - Single phase	11.0	4.5-5.5	1 1/4"	1 1/4"
2010.0003	<b>1 MV 9/6 M</b>	2.2	3.0	220 V - Single phase	11.0	6.0-7.5	1 1/4"	1 1/4"

#### 2 MV 9 SERIES

2020.0001	<b>2 MV 9/4 M</b>	2x1.5	2x2.0	220 V - Single phase	2x11.0	3.5-4.5	2"	2"
2020.0002	<b>2 MV 9/5 M</b>	2x1.5	2x2.0	220 V - Single phase	2x11.0	4.5-5.5	2"	2"
2020.0003	<b>2 MV 9/6 M</b>	2x2.2	2x3.0	220 V - Single phase	2x11.0	6.0-7.5	2"	2"

#### 3 MV 9 SERIES

2030.0001	<b>3 MV 9/4 M</b>	3x1.5	3x2.0	220 V - Single phase	3x11.0	3.5-4.5	3"	2 1/2"
2030.0002	<b>3 MV 9/5 M</b>	3x1.5	3x2.0	220 V - Single phase	3x11.0	4.5-5.5	3"	2 1/2"
2030.0003	<b>3 MV 9/6 M</b>	3x2.2	3x3.0	220 V - Single phase	3x11.0	6.0-7.5	3"	2 1/2"



**On request the sets can be pre-set for fire fighting service.**  
 Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

### 1 MV 13 SERIES

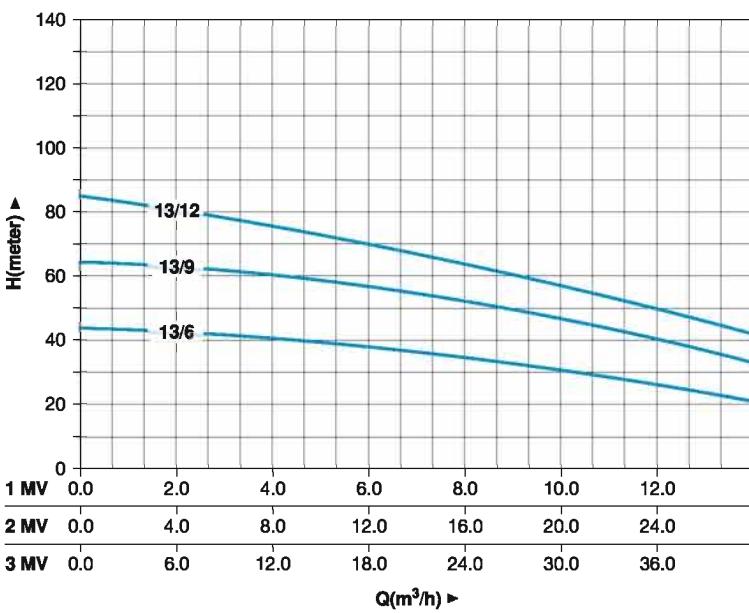
PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
2010.0008	<b>1 MV 13/6 M</b>	1.1	1.5	220 V - Single phase	14.0	3.0-4.0	1 1/4"	1 1/4"
2010.0009	<b>1 MV 13/9 M</b>	1.5	2.0	220 V - Single phase	14.0	4.5-6.0	1 1/4"	1 1/4"
2010.0010	<b>1 MV 13/12 M</b>	2.2	3.0	220 V - Single phase	14.0	6.0-7.5	1 1/4"	1 1/4"

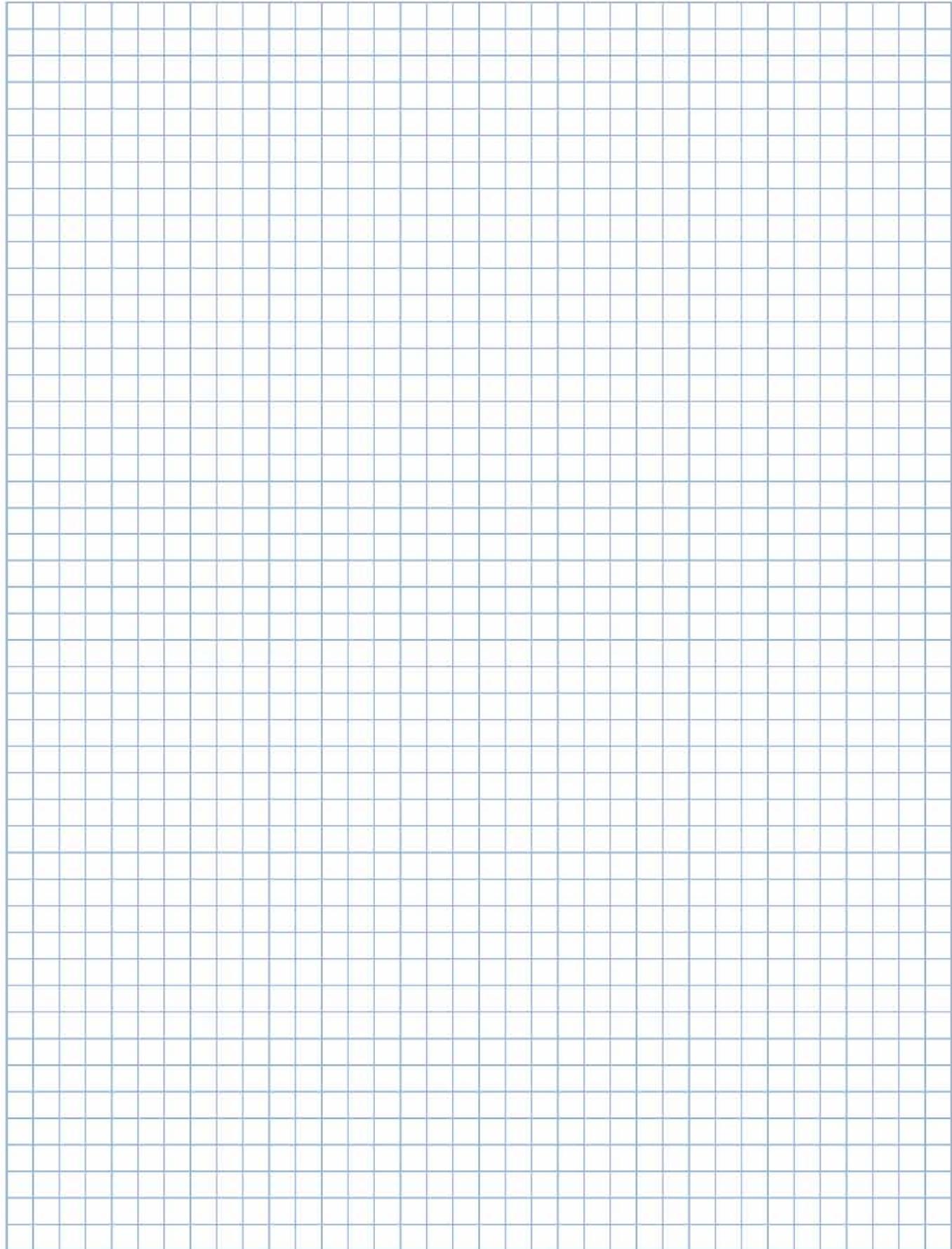
### 2 MV 13 SERIES

2020.0008	<b>2 MV 13/6 M</b>	2x1.1	2x1.5	220 V - Single phase	2x14.0	3.0-4.0	2"	2"
2020.0009	<b>2 MV 13/9 M</b>	2x1.5	2x2.0	220 V - Single phase	2x14.0	4.5-6.0	2"	2"
2020.0010	<b>2 MV 13/12 M</b>	2x2.2	2x3.0	220 V - Single phase	2x14.0	6.0-7.5	2"	2"

### 3 MV 13 SERIES

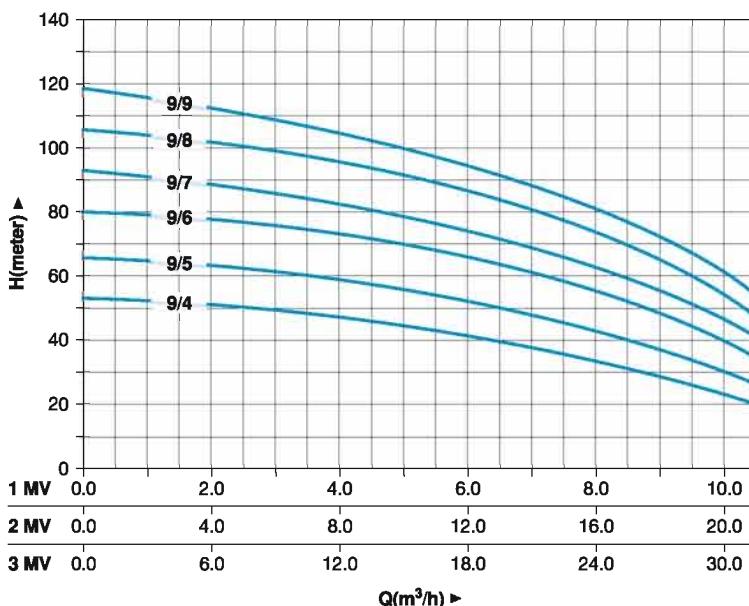
2030.0008	<b>3 MV 13/6 M</b>	3x1.1	3x1.5	220 V - Single phase	3x14.0	3.0-4.0	3"	2 1/2"
2030.0009	<b>3 MV 13/9 M</b>	3x1.5	3x2.0	220 V - Single phase	3x14.0	4.5-6.0	3"	2 1/2"
2030.0010	<b>3 MV 13/12 M</b>	3x2.2	3x3.0	220 V - Single phase	3x14.0	6.0-7.5	3"	2 1/2"







### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

### 1 MV 9 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0001	<b>1 MV 9/4 T</b>	1.5	2.0	380 V - Three phase	11.0	3.5-4.5	1 1/4"	1 1/4"
9010.0002	<b>1 MV 9/5 T</b>	1.5	2.0	380 V - Three phase	11.0	4.5-5.5	1 1/4"	1 1/4"
9010.0003	<b>1 MV 9/6 T</b>	2.2	3.0	380 V - Three phase	11.0	6.0-7.5	1 1/4"	1 1/4"
9010.0004	<b>1 MV 9/7 T</b>	2.2	3.0	380 V - Three phase	11.0	6.5-8.0	1 1/4"	1 1/4"
9010.0005	<b>1 MV 9/8 T</b>	3.0	4.0	380 V - Three phase	11.0	7.0-9.0	1 1/4"	1 1/4"
9010.0006	<b>1 MV 9/9 T</b>	3.0	4.0	380 V - Three phase	11.0	8.0-10.0	1 1/4"	1 1/4"

### 2 MV 9 SERIES

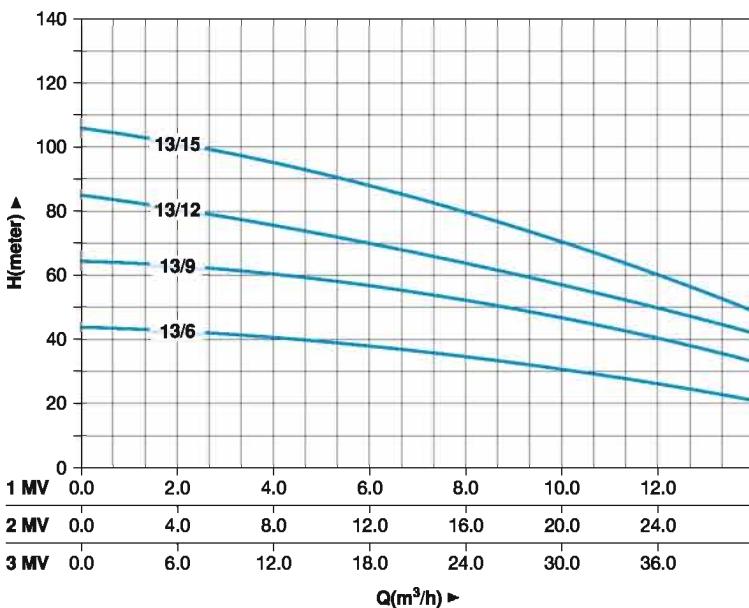
9020.0001	<b>2 MV 9/4 T</b>	2x1.5	2x2.0	380 V - Three phase	2x11.0	3.5-4.5	2"	2"
9020.0002	<b>2 MV 9/5 T</b>	2x1.5	2x2.0	380 V - Three phase	2x11.0	4.5-5.5	2"	2"
9020.0003	<b>2 MV 9/6 T</b>	2x2.2	2x3.0	380 V - Three phase	2x11.0	6.0-7.5	2"	2"
9020.0004	<b>2 MV 9/7 T</b>	2x2.2	2x3.0	380 V - Three phase	2x11.0	6.5-8.0	2"	2"
9020.0005	<b>2 MV 9/8 T</b>	2x3.0	2x4.0	380 V - Three phase	2x11.0	7.0-9.0	2"	2"
9020.0006	<b>2 MV 9/9 T</b>	2x3.0	2x4.0	380 V - Three phase	2x11.0	8.0-10.0	2"	2"

### 3 MV 9 SERIES

9030.0002	<b>3 MV 9/5 T</b>	3x1.5	3x2.0	380 V - Three phase	3x11.0	4.5-5.5	3"	2 1/2"
9030.0003	<b>3 MV 9/6 T</b>	3x2.2	3x3.0	380 V - Three phase	3x11.0	6.0-7.5	3"	2 1/2"
9030.0004	<b>3 MV 9/7 T</b>	3x2.2	3x3.0	380 V - Three phase	3x11.0	6.5-8.0	3"	2 1/2"
9030.0005	<b>3 MV 9/8 T</b>	3x3.0	3x4.0	380 V - Three phase	3x11.0	7.0-9.0	3"	2 1/2"
9030.0006	<b>3 MV 9/9 T</b>	3x3.0	3x4.0	380 V - Three phase	3x11.0	8.0-10.0	3"	2 1/2"



### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

### 1 MV 13 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0025	<b>1 MV 13/6 T</b>	1.1	1.5	380 V - Three phase	14.0	3.0-4.0	1 1/4"	1 1/4"
9010.0026	<b>1 MV 13/9 T</b>	1.5	2.0	380 V - Three phase	14.0	4.5-6.0	1 1/4"	1 1/4"
9010.0027	<b>1 MV 13/12 T</b>	2.2	3.0	380 V - Three phase	14.0	6.0-7.5	1 1/4"	1 1/4"
9010.0028	<b>1 MV 13/15 T</b>	3.0	4.0	380 V - Three phase	14.0	7.5-9.5	1 1/4"	1 1/4"

### 2 MV 13 SERIES

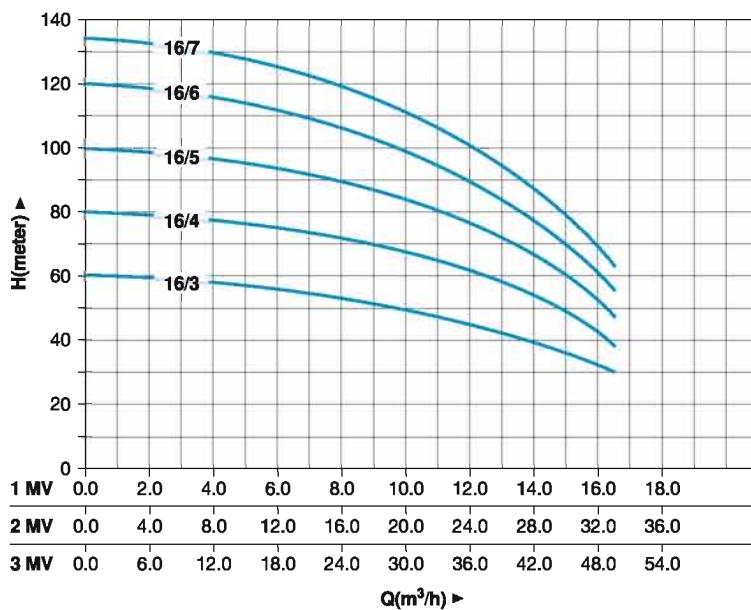
9020.0025	<b>2 MV 13/6 T</b>	2x1.1	2x1.5	380 V - Three phase	2x14.0	3.0-4.0	2"	2"
9020.0026	<b>2 MV 13/9 T</b>	2x1.5	2x2.0	380 V - Three phase	2x14.0	4.5-6.0	2"	2"
9020.0027	<b>2 MV 13/12 T</b>	2x2.2	2x3.0	380 V - Three phase	2x14.0	6.0-7.5	2"	2"
9020.0028	<b>2 MV 13/15 T</b>	2x3.0	2x4.0	380 V - Three phase	2x14.0	7.5-9.5	2"	2"

### 3 MV 13 SERIES

9030.0025	<b>3 MV 13/6 T</b>	3x1.1	3x1.5	380 V - Three phase	3x14.0	3.0-4.0	3"	2 1/2"
9030.0026	<b>3 MV 13/9 T</b>	3x1.5	3x2.0	380 V - Three phase	3x14.0	4.5-6.0	3"	2 1/2"
9030.0027	<b>3 MV 13/12 T</b>	3x2.2	3x3.0	380 V - Three phase	3x14.0	6.0-7.5	3"	2 1/2"
9030.0028	<b>3 MV 13/15 T</b>	3x3.0	3x4.0	380 V - Three phase	3x14.0	7.5-9.5	3"	2 1/2"



### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

### 1 MV 16 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0007	<b>1 MV 16/3 T</b>	3.0	4.0	380 V - Three phase	16.0	4.0-5.0	1 1/2"	1 1/2"
9010.0008	<b>1 MV 16/4 T</b>	4.0	5.5	380 V - Three phase	16.0	5.0-7.0	1 1/2"	1 1/2"
9010.0009	<b>1 MV 16/5 T</b>	4.0	5.5	380 V - Three phase	16.0	6.0-8.0	1 1/2"	1 1/2"
9010.0010	<b>1 MV 16/6 T</b>	5.5	7.5	380 V - Three phase	16.0	7.5-9.0	1 1/2"	1 1/2"
9010.0011	<b>1 MV 16/7 T</b>	5.5	7.5	380 V - Three phase	16.0	9.0-11.0	1 1/2"	1 1/2"

### 2 MV 16 SERIES

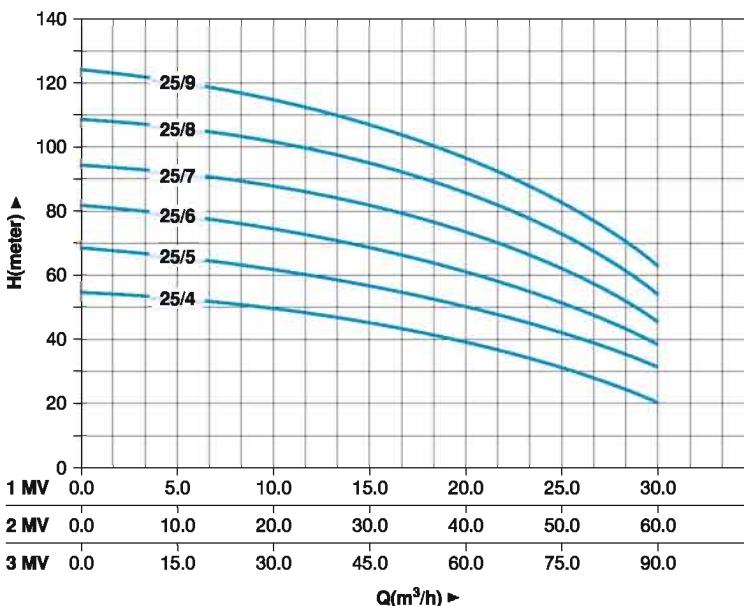
9020.0007	<b>2 MV 16/3 T</b>	2x3.0	2x4.0	380 V - Three phase	2x16.0	4.0-5.0	2 1/2"	2"
9020.0008	<b>2 MV 16/4 T</b>	2x4.0	2x5.5	380 V - Three phase	2x16.0	5.0-7.0	2 1/2"	2"
9020.0009	<b>2 MV 16/5 T</b>	2x4.0	2x5.5	380 V - Three phase	2x16.0	6.0-8.0	2 1/2"	2"
9020.0010	<b>2 MV 16/6 T</b>	2x5.5	2x7.5	380 V - Three phase	2x16.0	7.5-9.0	2 1/2"	2"
9020.0011	<b>2 MV 16/7 T</b>	2x5.5	2x7.5	380 V - Three phase	2x16.0	9.0-11.0	2 1/2"	2"

### 3 MV 16 SERIES

9030.0007	<b>3 MV 16/3 T</b>	3x3.0	3x4.0	380 V - Three phase	3x16.0	4.0-5.0	3"	2 1/2"
9030.0008	<b>3 MV 16/4 T</b>	3x4.0	3x5.5	380 V - Three phase	3x16.0	5.0-7.0	3"	2 1/2"
9030.0009	<b>3 MV 16/5 T</b>	3x4.0	3x5.5	380 V - Three phase	3x16.0	6.0-8.0	3"	2 1/2"
9030.0010	<b>3 MV 16/6 T</b>	3x5.5	3x7.5	380 V - Three phase	3x16.0	7.5-9.0	3"	2 1/2"
9030.0011	<b>3 MV 16/7 T</b>	3x5.5	3x7.5	380 V - Three phase	3x16.0	9.0-11.0	3"	2 1/2"



### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

### 1 MV 25 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0012	<b>1 MV 25/4 T</b>	3.0	4.0	380 V - Three phase	30.0	3.0-4.5	2"	2"
9010.0037	<b>1 MV 25/5 T</b>	4.0	5.5	380 V - Three phase	30.0	4.5-6.0	2"	2"
9010.0013	<b>1 MV 25/6 T</b>	5.5	7.5	380 V - Three phase	30.0	5.5-7.0	2"	2"
9010.0014	<b>1 MV 25/7 T</b>	5.5	7.5	380 V - Three phase	30.0	6.5-8.0	2"	2"
9010.0038	<b>1 MV 25/8 T</b>	7.5	10.0	380 V - Three phase	30.0	8.0-10.0	2"	2"
9010.0015	<b>1 MV 25/9 T</b>	7.5	10.0	380 V - Three phase	30.0	9.0-11.0	2"	2"

### 2 MV 25 SERIES

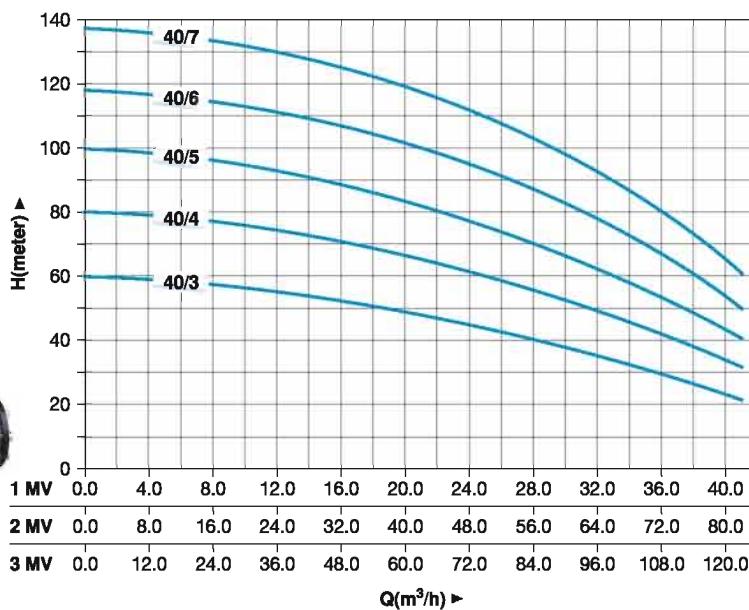
9020.0012	<b>2 MV 25/4 T</b>	2x3.0	2x4.0	380 V - Three phase	2x30.0	3.0-4.5	3"	3"
9020.0037	<b>2 MV 25/5 T</b>	2x4.0	2x5.5	380 V - Three phase	2x30.0	4.5-6.0	3"	3"
9020.0013	<b>2 MV 25/6 T</b>	2x5.5	2x7.5	380 V - Three phase	2x30.0	5.5-7.0	3"	3"
9020.0014	<b>2 MV 25/7 T</b>	2x5.5	2x7.5	380 V - Three phase	2x30.0	6.5-8.0	3"	3"
9020.0038	<b>2 MV 25/8 T</b>	2x7.5	2x10.0	380 V - Three phase	2x30.0	8.0-10.0	3"	3"
9020.0015	<b>2 MV 25/9 T</b>	2x7.5	2x10.0	380 V - Three phase	2x30.0	9.0-11.0	3"	3"

### 3 MV 25 SERIES

9030.0037	<b>3 MV 25/5 T</b>	3x4.0	3x5.5	380 V - Three phase	3x30.0	4.5-6.0	4"	4"
9030.0013	<b>3 MV 25/6 T</b>	3x5.5	3x7.5	380 V - Three phase	3x30.0	5.5-7.0	4"	4"
9030.0014	<b>3 MV 25/7 T</b>	3x5.5	3x7.5	380 V - Three phase	3x30.0	6.5-8.0	4"	4"
9030.0038	<b>3 MV 25/8 T</b>	3x7.5	3x10.0	380 V - Three phase	3x30.0	8.0-10.0	4"	4"
9030.0015	<b>3 MV 25/9 T</b>	3x7.5	3x10.0	380 V - Three phase	3x30.0	9.0-11.0	4"	4"



### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

### 1 MV 40 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE ( $\text{m}^3/\text{h}$ )	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0040	<b>1 MV 40/3 T</b>	5.5	7.5	380 V - Three phase	40.0	4.0-5.5	2 1/2"	2 1/2"
9010.0041	<b>1 MV 40/4 T</b>	7.5	10.0	380 V - Three phase	40.0	5.0-7.0	2 1/2"	2 1/2"
9010.0042	<b>1 MV 40/5 T</b>	7.5	10.0	380 V - Three phase	40.0	7.0-9.0	2 1/2"	2 1/2"
9010.0043	<b>1 MV 40/6 T</b>	11.0	15.0	380 V - Three phase	40.0	8.0-10.0	2 1/2"	2 1/2"
9010.0044	<b>1 MV 40/7 T</b>	11.0	15.0	380 V - Three phase	40.0	10.0-12.0	2 1/2"	2 1/2"

### 2 MV 40 SERIES

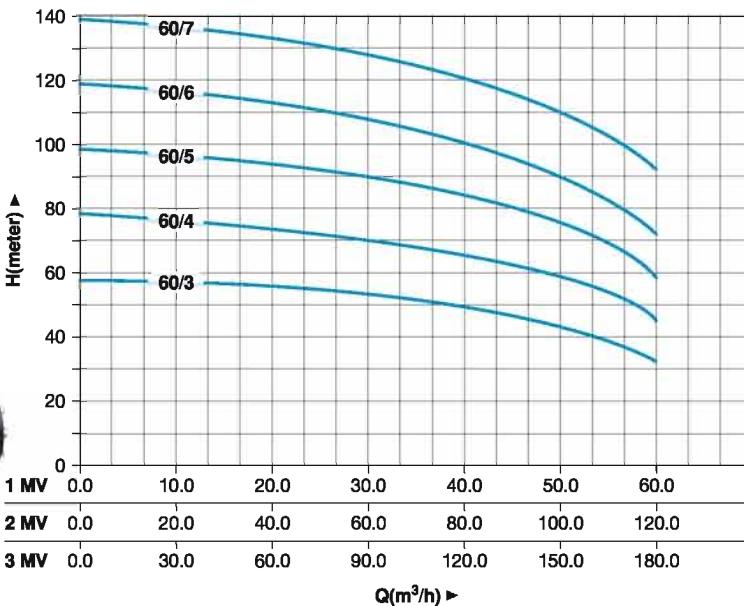
9020.0040	<b>2 MV 40/3 T</b>	2x5.5	2x7.5	380 V - Three phase	2x40.0	4.0-5.5	4"	4"
9020.0041	<b>2 MV 40/4 T</b>	2x7.5	2x10.0	380 V - Three phase	2x40.0	5.0-7.0	4"	4"
9020.0042	<b>2 MV 40/5 T</b>	2x7.5	2x10.0	380 V - Three phase	2x40.0	7.0-9.0	4"	4"
9020.0043	<b>2 MV 40/6 T</b>	2x11.0	2x15.0	380 V - Three phase	2x40.0	8.0-10.0	4"	4"
9020.0044	<b>2 MV 40/7 T</b>	2x11.0	2x15.0	380 V - Three phase	2x40.0	10.0-12.0	4"	4"

### 3 MV 40 SERIES

9030.0040	<b>3 MV 40/3 T</b>	3x5.5	3x7.5	380 V - Three phase	3x40.0	4.0-5.5	5"	4"
9030.0041	<b>3 MV 40/4 T</b>	3x7.5	3x10.0	380 V - Three phase	3x40.0	5.0-7.0	5"	4"
9030.0042	<b>3 MV 40/5 T</b>	3x7.5	3x10.0	380 V - Three phase	3x40.0	7.0-9.0	5"	4"
9030.0043	<b>3 MV 40/6 T</b>	3x11.0	3x15.0	380 V - Three phase	3x40.0	8.0-10.0	5"	4"
9030.0044	<b>3 MV 40/7 T</b>	3x11.0	3x15.0	380 V - Three phase	3x40.0	10.0-12.0	5"	4"



### PERFORMANCE TABLE



On request the sets can be pre-set for fire fighting service.

Fire fighting sets are equipped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

### 1 MV 60 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
9010.0051	1 MV 60/3 T	11.0	15.0	380 V - Three phase	60.0	4.0-5.5	3"	2 1/2"
9010.0052	1 MV 60/4 T	15.0	20.0	380 V - Three phase	60.0	5.5-7.0	3"	2 1/2"
9010.0053	1 MV 60/5 T	15.0	20.0	380 V - Three phase	60.0	7.5-9.0	3"	2 1/2"
9010.0054	1 MV 60/6 T	18.5	25.0	380 V - Three phase	60.0	9.0-11.0	3"	2 1/2"
9010.0055	1 MV 60/7 T	22.0	30.0	380 V - Three phase	60.0	10.0-12.0	3"	2 1/2"

### 2 MV 60 SERIES

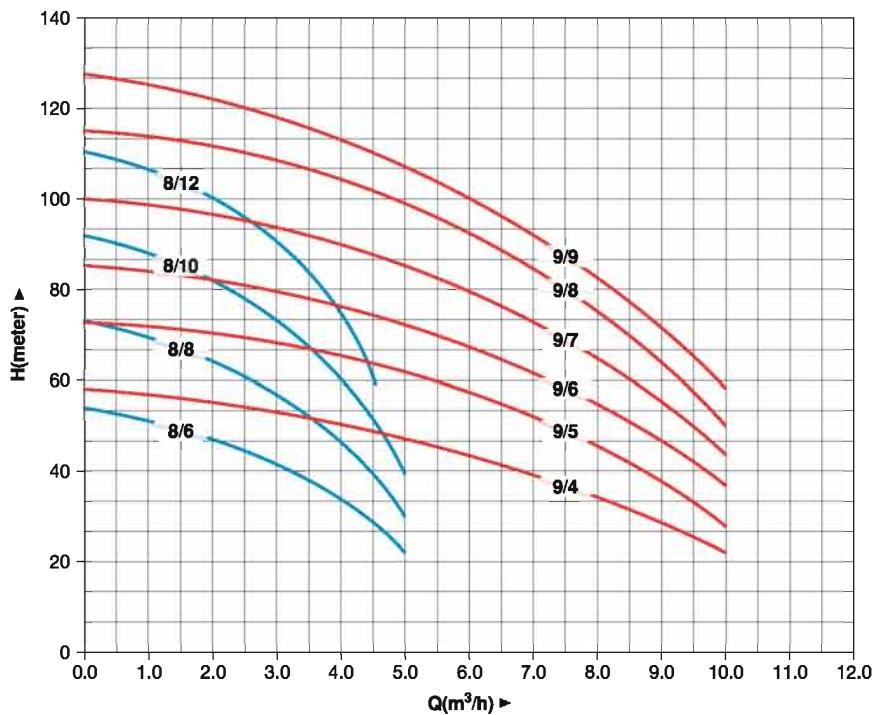
9020.0051	2 MV 60/3 T	2x11.0	2x15.0	380 V - Three phase	2x60.0	4.0-5.5	DN 125	DN 100
9020.0052	2 MV 60/4 T	2x15.0	2x20.0	380 V - Three phase	2x60.0	5.5-7.0	DN 125	DN 100
9020.0053	2 MV 60/5 T	2x15.0	2x20.0	380 V - Three phase	2x60.0	7.5-9.0	DN 125	DN 100
9020.0054	2 MV 60/6 T	2x18.5	2x25.0	380 V - Three phase	2x60.0	9.0-11.0	DN 125	DN 100
9020.0055	2 MV 60/7 T	2x22.0	2x30.0	380 V - Three phase	2x60.0	10.0-12.0	DN 125	DN 100

### 3 MV 60 SERIES

9030.0051	3 MV 60/3 T	3x11.0	3x15.0	380 V - Three phase	3x60.0	4.0-5.5	DN 150	DN 125
9030.0052	3 MV 60/4 T	3x15.0	3x20.0	380 V - Three phase	3x60.0	5.5-7.0	DN 150	DN 125
9030.0053	3 MV 60/5 T	3x15.0	3x20.0	380 V - Three phase	3x60.0	7.5-9.0	DN 150	DN 125
9030.0054	3 MV 60/6 T	3x18.5	3x25.0	380 V - Three phase	3x60.0	9.0-11.0	DN 150	DN 125
9030.0055	3 MV 60/7 T	3x22.0	3x30.0	380 V - Three phase	3x60.0	10.0-12.0	DN 150	DN 125



**PERFORMANCE TABLE**



**MVK 8 SERIES**

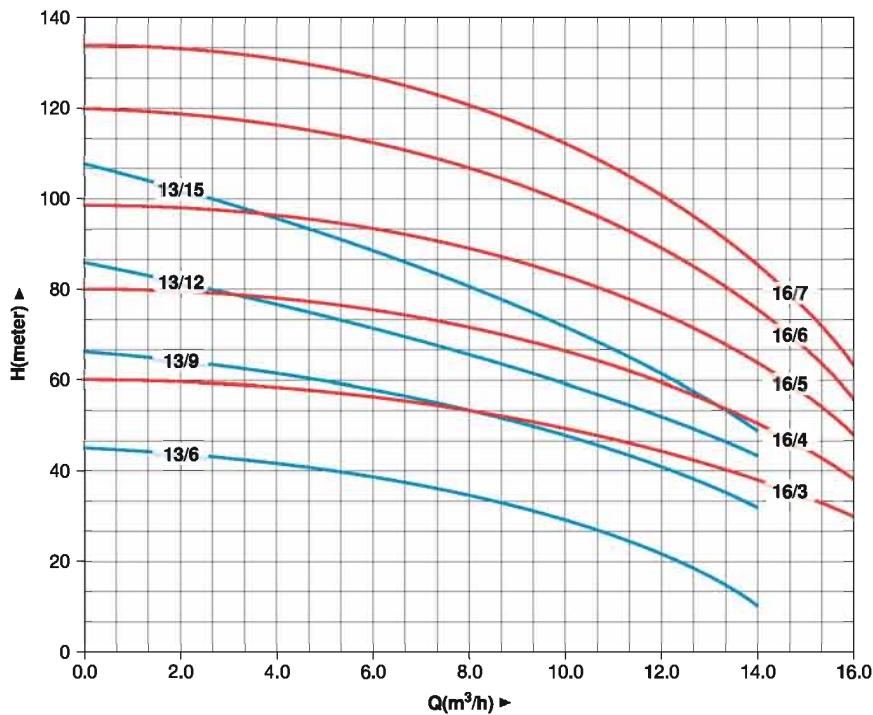
PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
0720.2001	<b>MVK 8/6 M</b>	0.75	1.0	220 V - Single phase	5.0	54	1 1/4"	1"
0720.2002	<b>MVK 8/8 M</b>	1.1	1.5	220 V - Single phase	5.0	73	1 1/4"	1"
0720.2003	<b>MVK 8/10 M</b>	1.5	2.0	220 V - Single phase	5.0	92	1 1/4"	1"
0720.2004	<b>MVK 8/12 M</b>	1.5	2.0	220 V - Single phase	5.0	110	1 1/4"	1"
0710.2001	<b>MVK 8/6 T</b>	0.75	1.0	380 V - Three phase	5.0	54	1 1/4"	1"
0710.2002	<b>MVK 8/8 T</b>	1.1	1.5	380 V - Three phase	5.0	73	1 1/4"	1"
0710.2003	<b>MVK 8/10 T</b>	1.5	2.0	380 V - Three phase	5.0	92	1 1/4"	1"
0710.2004	<b>MVK 8/12 T</b>	1.5	2.0	380 V - Three phase	5.0	110	1 1/4"	1"

**MVK 9 SERIES**

0720.2010	<b>MVK 9/4 M</b>	1.5	2.0	220 V - Single phase	10.0	58	1 1/4"	1 1/4"
0720.2011	<b>MVK 9/5 M</b>	1.5	2.0	220 V - Single phase	10.0	72	1 1/4"	1 1/4"
0720.2012	<b>MVK 9/6 M</b>	2.2	3.0	220 V - Single phase	10.0	86	1 1/4"	1 1/4"
0710.2010	<b>MVK 9/4 T</b>	1.5	2.0	380 V - Three phase	10.0	58	1 1/4"	1 1/4"
0710.2011	<b>MVK 9/5 T</b>	1.5	2.0	380 V - Three phase	10.0	72	1 1/4"	1 1/4"
0710.2012	<b>MVK 9/6 T</b>	2.2	3.0	380 V - Three phase	10.0	86	1 1/4"	1 1/4"
0710.2013	<b>MVK 9/7 T</b>	2.2	3.0	380 V - Three phase	10.0	100	1 1/4"	1 1/4"
0710.2014	<b>MVK 9/8 T</b>	3.0	4.0	380 V - Three phase	10.0	115	1 1/4"	1 1/4"
0710.2015	<b>MVK 9/9 T</b>	3.0	4.0	380 V - Three phase	10.0	128	1 1/4"	1 1/4"



### PERFORMANCE TABLE



### MVK 13 SERIES

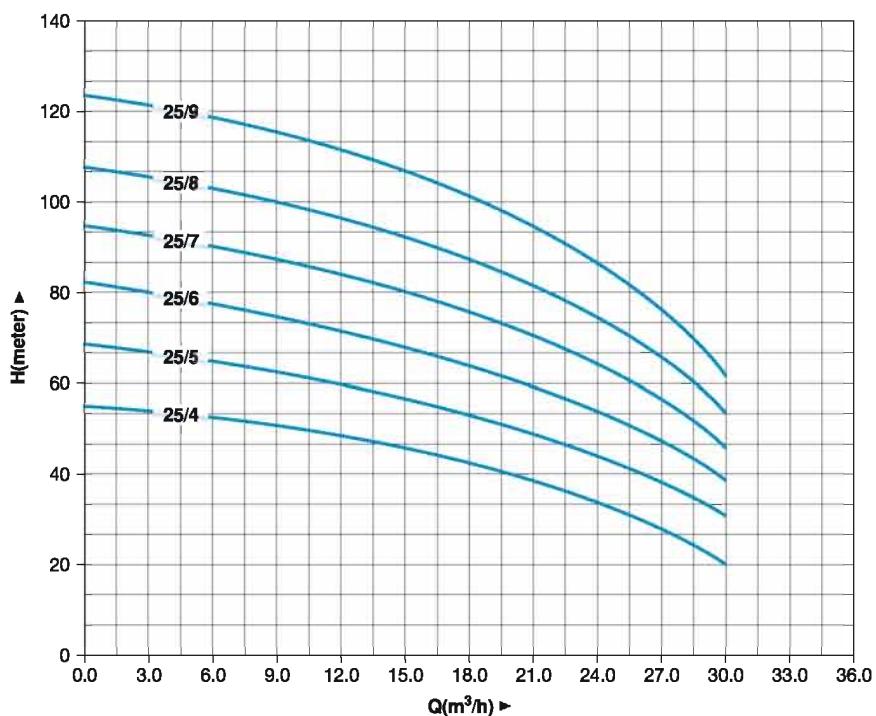
PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
0720.2030	<b>MVK 13/6 M</b>	1.1	1.5	220 V - Single phase	14.0	44	1 1/4"	1 1/4"
0720.2031	<b>MVK 13/9 M</b>	1.5	2.0	220 V - Single phase	14.0	65	1 1/4"	1 1/4"
0720.2032	<b>MVK 13/12 M</b>	2.2	3.0	220 V - Single phase	14.0	85	1 1/4"	1 1/4"
0710.2030	<b>MVK 13/6 T</b>	1.1	1.5	380 V - Three phase	14.0	44	1 1/4"	1 1/4"
0710.2031	<b>MVK 13/9 T</b>	1.5	2.0	380 V - Three phase	14.0	65	1 1/4"	1 1/4"
0710.2032	<b>MVK 13/12 T</b>	2.2	3.0	380 V - Three phase	14.0	85	1 1/4"	1 1/4"
0710.2033	<b>MVK 13/15 T</b>	3.0	4.0	380 V - Three phase	14.0	107	1 1/4"	1 1/4"

### MVK 16 SERIES

0710.2020	<b>MVK 16/3 T</b>	3.0	4.0	380 V - Three phase	16.0	60	1 1/2"	1 1/2"
0710.2021	<b>MVK 16/4 T</b>	4.0	5.5	380 V - Three phase	16.0	80	1 1/2"	1 1/2"
0710.2022	<b>MVK 16/5 T</b>	4.0	5.5	380 V - Three phase	16.0	101	1 1/2"	1 1/2"
0710.2023	<b>MVK 16/6 T</b>	5.5	7.5	380 V - Three phase	16.0	120	1 1/2"	1 1/2"
0710.2024	<b>MVK 16/7 T</b>	5.5	7.5	380 V - Three phase	16.0	133	1 1/2"	1 1/2"



**PERFORMANCE TABLE**

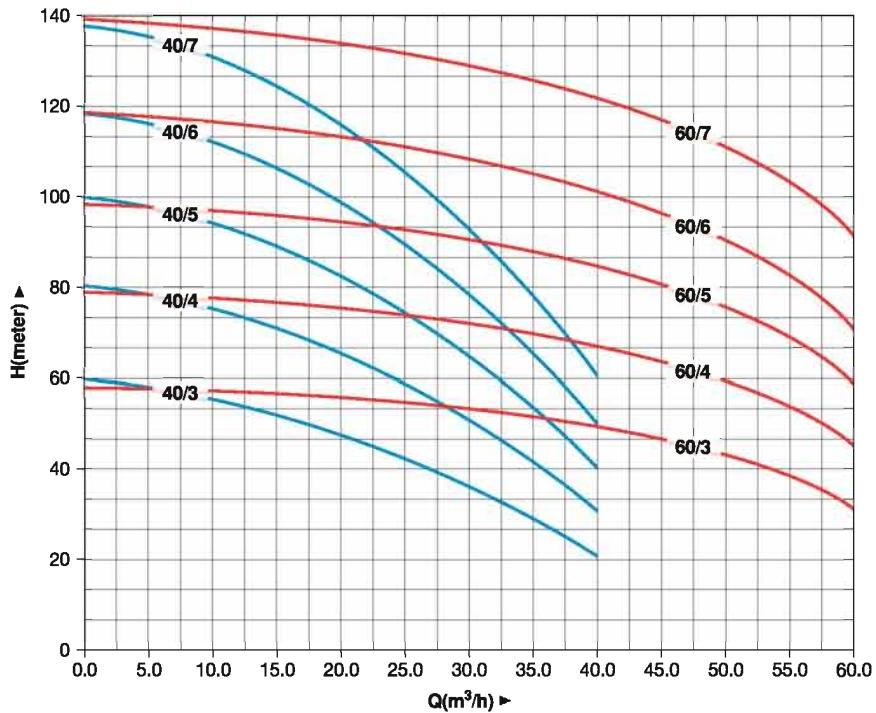


**MVK 25 SERIES**

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
0710.2050	<b>MVK 25/4 T</b>	3.0	4.0	380 V - Three phase	30.0	55	2"	2"
0710.2051	<b>MVK 25/5 T</b>	4.0	5.5	380 V - Three phase	30.0	68	2"	2"
0710.2052	<b>MVK 25/6 T</b>	5.5	7.5	380 V - Three phase	30.0	82	2"	2"
0710.2053	<b>MVK 25/7 T</b>	5.5	7.5	380 V - Three phase	30.0	95	2"	2"
0710.2054	<b>MVK 25/8 T</b>	7.5	10.0	380 V - Three phase	30.0	108	2"	2"
0710.2055	<b>MVK 25/9 T</b>	7.5	10.0	380 V - Three phase	30.0	124	2"	2"



### PERFORMANCE TABLE



### MVK 40 SERIES

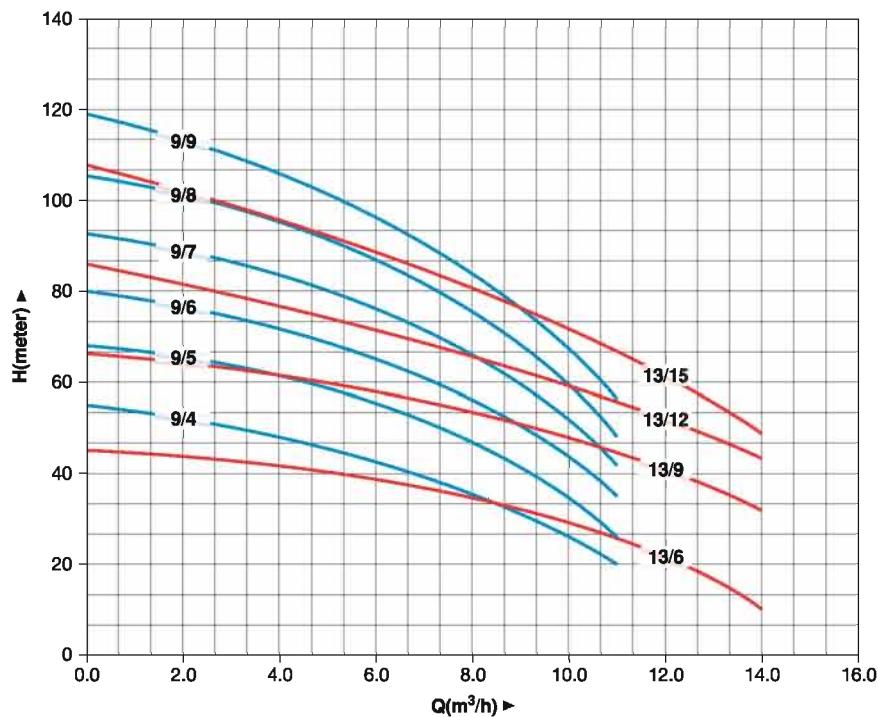
PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
0710.2060	<b>MVK 40/3 T</b>	5.5	7.5	380 V - Three phase	40.0	60	2 1/2"	2 1/2"
0710.2061	<b>MVK 40/4 T</b>	7.5	10.0	380 V - Three phase	40.0	80	2 1/2"	2 1/2"
0710.2062	<b>MVK 40/5 T</b>	7.5	10.0	380 V - Three phase	40.0	100	2 1/2"	2 1/2"
0710.2063	<b>MVK 40/6 T</b>	11.0	15.0	380 V - Three phase	40.0	118	2 1/2"	2 1/2"
0710.2064	<b>MVK 40/7 T</b>	11.0	15.0	380 V - Three phase	40.0	137	2 1/2"	2 1/2"

### MVK 60 SERIES

0710.2071	<b>MVK 60/3 T</b>	11.0	15.0	380 V - Three phase	60.0	58	3"	3"
0710.2072	<b>MVK 60/4 T</b>	15.0	20.0	380 V - Three phase	60.0	78	3"	3"
0710.2073	<b>MVK 60/5 T</b>	15.0	20.0	380 V - Three phase	60.0	98	3"	3"
0710.2074	<b>MVK 60/6 T</b>	18.5	25.0	380 V - Three phase	60.0	118	3"	3"
0710.2075	<b>MVK 60/7 T</b>	22.0	30.0	380 V - Three phase	60.0	139	3"	3"



### PERFORMANCE TABLE



### MV 9 SERIES

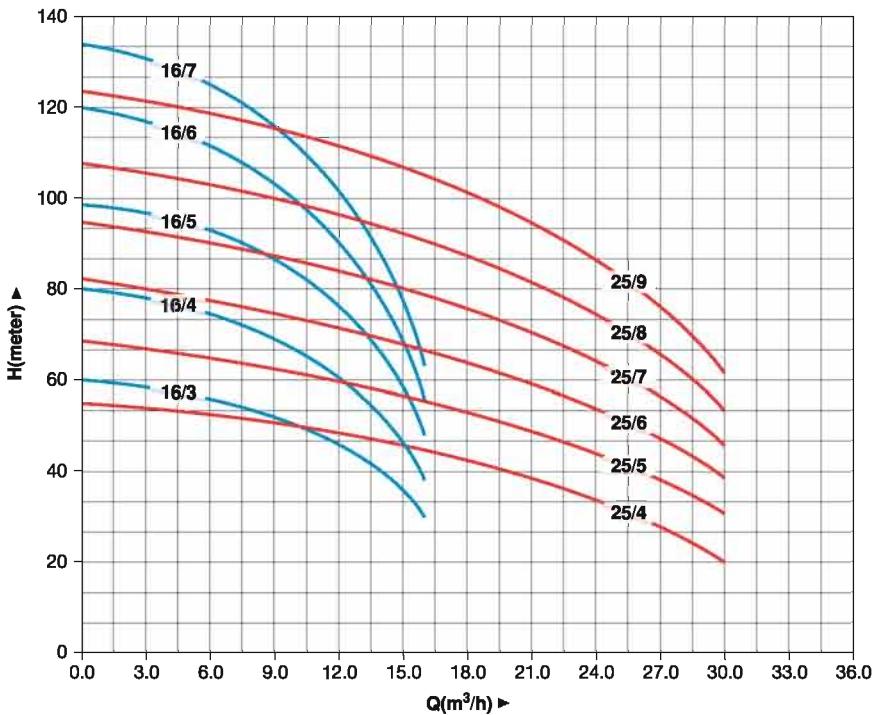
PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
0720.1001	<b>MV 9/4 M</b>	1.5	2.0	220 V - Single phase	11.0	54	1 1/4"	1 1/4"
0720.1002	<b>MV 9/5 M</b>	1.5	2.0	220 V - Single phase	11.0	67	1 1/4"	1 1/4"
0720.1003	<b>MV 9/6 M</b>	2.2	3.0	220 V - Single phase	11.0	80	1 1/4"	1 1/4"
0710.1001	<b>MV 9/4 T</b>	1.5	2.0	380 V - Three phase	11.0	54	1 1/4"	1 1/4"
0710.1002	<b>MV 9/5 T</b>	1.5	2.0	380 V - Three phase	11.0	67	1 1/4"	1 1/4"
0710.1003	<b>MV 9/6 T</b>	2.2	3.0	380 V - Three phase	11.0	80	1 1/4"	1 1/4"
0710.1004	<b>MV 9/7 T</b>	2.2	3.0	380 V - Three phase	11.0	93	1 1/4"	1 1/4"
0710.1005	<b>MV 9/8 T</b>	3.0	4.0	380 V - Three phase	11.0	105	1 1/4"	1 1/4"
0710.1006	<b>MV 9/9 T</b>	3.0	4.0	380 V - Three phase	11.0	118	1 1/4"	1 1/4"

### MV 13 SERIES

0720.1020	<b>MV 13/6 M</b>	1.1	1.5	220 V - Single phase	14.0	44	1 1/4"	1 1/4"
0720.1021	<b>MV 13/9 M</b>	1.5	2.0	220 V - Single phase	14.0	65	1 1/4"	1 1/4"
0720.1022	<b>MV 13/12 M</b>	2.2	3.0	220 V - Single phase	14.0	85	1 1/4"	1 1/4"
0710.1030	<b>MV 13/6 T</b>	1.1	1.5	380 V - Three phase	14.0	44	1 1/4"	1 1/4"
0710.1031	<b>MV 13/9 T</b>	1.5	2.0	380 V - Three phase	14.0	65	1 1/4"	1 1/4"
0710.1032	<b>MV 13/12 T</b>	2.2	3.0	380 V - Three phase	14.0	85	1 1/4"	1 1/4"
0710.1033	<b>MV 13/15 T</b>	3.0	4.0	380 V - Three phase	14.0	107	1 1/4"	1 1/4"



### PERFORMANCE TABLE



### MV 16 SERIES

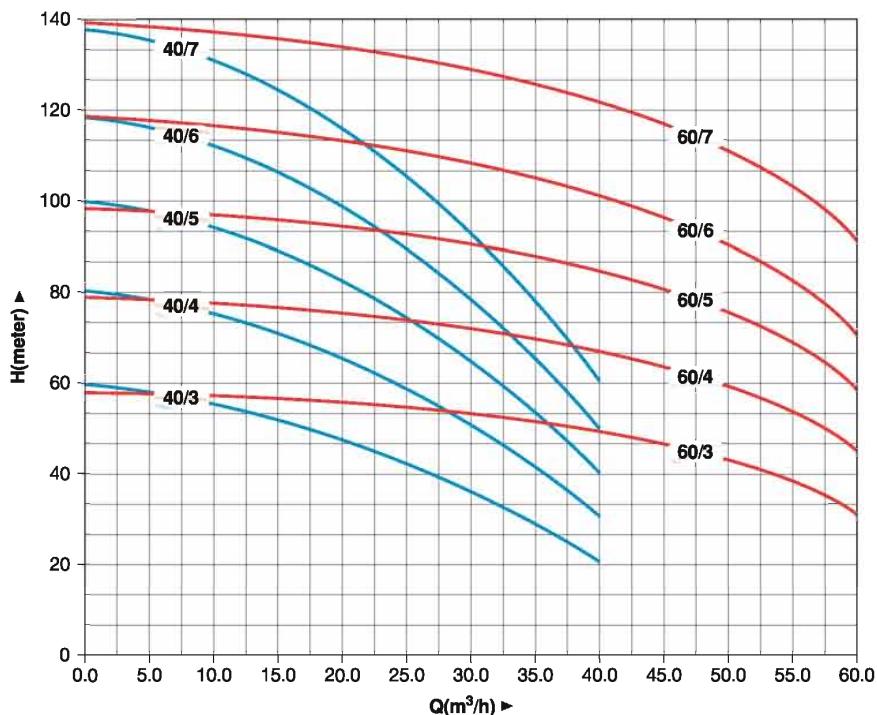
PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
0710.1007	<b>MV 16/3 T</b>	3.0	4.0	380 V - Three phase	16.0	60	1 1/2"	1 1/2"
0710.1008	<b>MV 16/4 T</b>	4.0	5.5	380 V - Three phase	16.0	80	1 1/2"	1 1/2"
0710.1009	<b>MV 16/5 T</b>	4.0	5.5	380 V - Three phase	16.0	99	1 1/2"	1 1/2"
0710.1010	<b>MV 16/6 T</b>	5.5	7.5	380 V - Three phase	16.0	120	1 1/2"	1 1/2"
0710.1011	<b>MV 16/7 T</b>	5.5	7.5	380 V - Three phase	16.0	133	1 1/2"	1 1/2"

### MV 25 SERIES

0710.1012	<b>MV 25/4 T</b>	3.0	4.0	380 V - Three phase	30.0	55	2"	2"
0710.1050	<b>MV 25/5 T</b>	4.0	5.5	380 V - Three phase	30.0	68	2"	2"
0710.1013	<b>MV 25/6 T</b>	5.5	7.5	380 V - Three phase	30.0	82	2"	2"
0710.1014	<b>MV 25/7 T</b>	5.5	7.5	380 V - Three phase	30.0	95	2"	2"
0710.1051	<b>MV 25/8 T</b>	7.5	10.0	380 V - Three phase	30.0	108	2"	2"
0710.1015	<b>MV 25/9 T</b>	7.5	10.0	380 V - Three phase	30.0	124	2"	2"



### PERFORMANCE TABLE



### MV 40 SERIES

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	MAXIMUM FLOW RATE (m³/h)	PRESSURE RANGE (BAR)	CONNECTION	
		kW	HP				SUCTION	DISCHARGE
0710.1060	<b>MV 40/3 T</b>	5.5	7.5	380 V - Three phase	40.0	60	2 1/2"	2 1/2"
0710.1061	<b>MV 40/4 T</b>	7.5	10.0	380 V - Three phase	40.0	80	2 1/2"	2 1/2"
0710.1062	<b>MV 40/5 T</b>	7.5	10.0	380 V - Three phase	40.0	100	2 1/2"	2 1/2"
0710.1063	<b>MV 40/6 T</b>	11.0	15.0	380 V - Three phase	40.0	118	2 1/2"	2 1/2"
0710.1064	<b>MV 40/7 T</b>	11.0	15.0	380 V - Three phase	40.0	137	2 1/2"	2 1/2"

### MV 60 SERIES

0710.1071	<b>MV 60/3 T</b>	11.0	15.0	380 V - Three phase	60.0	58	3"	3"
0710.1072	<b>MV 60/4 T</b>	15.0	20.0	380 V - Three phase	60.0	78	3"	3"
0710.1073	<b>MV 60/5 T</b>	15.0	20.0	380 V - Three phase	60.0	98	3"	3"
0710.1074	<b>MV 60/6 T</b>	18.5	25.0	380 V - Three phase	60.0	118	3"	3"
0710.1075	<b>MV 60/7 T</b>	22.0	30.0	380 V - Three phase	60.0	139	3"	3"



DECLARATION OF COMFORMITY  
**AB UYGUNLUK BEYANI**

**ÜRETİCİ / MANUFACTURER:**

HİDROTANK HİDROFOR VE GENLEŞME TANKI ÜRETİM İNŞ. SANAYİ TİC. LTD. ŞTİ.

*Yunus Emre Mah. Gazi Emir Cd. Hızır Sk. No:46/I A Sancaktepe-İSTANBUL*

**ÜRÜN TANIMI / PRODUCT DESIGNATION :**

Ürünün Adı /Product Name : DİKEY ÇOK KADEMELİ POMPA VE HİDROFOR

Ürünün Markası/Product Brand : MASTER PUMPS

Ürünün Modelleri/Product Types : BKZ. 2018-110-1 TEST RAPORU EK 1

**İLGİLİ DİREKTİFLER / THE FOLLOWING DIRECTIVES:**

2014 / 35 / AB LVD Direktifi/ 2014 / 35 / EU LVD Directive

2006 / 42 / AB Makine Emniyeti Direktifi /2006/42/EC Machinery Directive

**UYGULANAN STANDARTLAR / THE FOLLOWING STANDARDS:**

TS EN 60335-1:2012; TS EN 60335-2-41:2004

TS EN 60204-1:2008; TS EN ISO 12100:2011

Yukarıda tanımlanan ve CE işaretü ilştirilerek piyasaya arz edilen ürünün, ilgili AB direktifine göre üretildiğini ve direktifin gerektirdiği standartlara göre test edildiğini, tüm canlılara, insanlara, hayvanlara, bitkilere, çevreye, can ve mal güvenliğine, zarar vermeyeceğini beyan ve taahhüt ederim.

I declare and undertake that the pruduct defined above and attached to the market by affixing the CE mark is produced according to the relevant EU directive and tested according to the standards required by the directive and that it will not harm all living things, people, animals, plants, environment.life and property.

**Firma Yetkilisi/Company Authority:**

Adı, Soyadı / Name,Surname : Kaan TUNA

Ünvanı / Title : Genel Müdür / General Manager

Tarih / Date : 07.09.2018

Kaşe, İmza / Stamp.Signature :

HİDROTANK HİDROFOR VE GENLEŞME  
TANK ÜRETİM İNŞ. SAN. TİC. LTD. ŞTİ.  
Yunus Emre Mah. Süleymanpaşa Sk. No: 14 A P.K. 34792  
Sancaktepe/İSTA  
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Tel: +90 216 508 12 12 Fax: 0216 420 12 33  
E-mail: info@hidrotank.com.tr Web: www.hidrotank.com.tr  
Ticaret No: 745117-0



Markanın Tanımı Description of the Mark

**TSEK** veya 

<b>BELGE NUMARASI</b> REFERENCE NUMBER OF LICENCE	012719-TSEK-01/03
<b>BELGENİN İLK VERİLİŞ TARİHİ</b> DATE OF FIRST ISSUE OF LICENCE	20.07.2015
<b>BELGENİN SON GEÇERLİLİK TARİHİ</b> LICENCE VALID UNTIL	12.04.2023
<b>BELGE SAHİBİ KURULUŞUN ADI</b> NAME OF THE LICENCE HOLDER	HİDROTANK HİDROFOR VE GENLEŞME TANKİ ÜRETİM İNŞAAT SANAYİ TİCARET LIMITED ŞİRKETİ
<b>BELGE SAHİBİ KURULUŞUN ADRESİ</b> ADDRESS OF THE LICENCE HOLDER	YUNUS EMRE MAH. SÜLEYMANİYE SK. NO:14 A SANCaktepe İSTANBUL
<b>ÜRETİM YERİ ADI</b> NAME OF THE MANUFACTURING PLACE	HİDROTANK HİDROFOR VE HİDROFOR GENLEŞME TANKİ ÜRETİM SANAYİ İNŞAAT TİCARET LTD. ŞTİ.
<b>ÜRETİM YERİ ADRESİ</b> ADDRESS OF THE MANUFACTURING PLACE	YUNUS EMRE MAH. PARSEL SOK. NO:46/1A SANCaktepe İSTANBUL
<b>TESCİLLİ TİCARİ MARKASI</b> REGISTERED TRADE MARK	water is life master pumps
<b>İLGİLİ BELGELENDİRME KRİTERİ</b> RELATED TURKISH STANDARD	TSE K 582 / 26.06.2019
<b>BELGE KAPSAMI</b> SCOPE OF LICENCE	<ul style="list-style-type: none"> <li>-HİDROFOR POMPALARI</li> <li>-RADYAL VE KARIŞIK AKIŞLI</li> <li>-TEK VE ÜÇ FAZLI</li> <li>-DİREKT YOL VERMELİ, YILDIZ/ÜÇGEN YOL VERMELİ, HİZ KONTROL İLE YOL VERMELİ</li> <li>-BİR POMPALI, İKİ POMPALI, ÜÇ POMPALI, DORT POMPALI HİDROFOR POMPALARI (11.04.2022 K.G.)</li> </ul>

e-imzali/e-signed

12/04/2022

Belgelendirme Merkezi Başkanı Adına  
AYDIN ÇÖTEN

TSE İSTANBUL BELGELENDİRME MÜDÜRÜ V.

\*Bu belge, belgefendinden gününün, üretim yılının Eröffnungstag'ının belirlediği sınırları karşıladığı da gösterir.

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<https://evrakkontrol.tse.org.tr/Belgeler/Dogrulama.aspx?p=tnejcam> adresinden belgenin doğruluğunu ve geçerliliğini sorgulayınız.



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CONTROL PANELS

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### PUMP-BOOSTER SET-DRAINAGE PUMP ELECTRONIC CONTROL



1 KP T 3x10 HP

- Unit of power
- Value of maximum power
- Number of phase
- (M) Single phase
- (T) Three phase
- Model
- Quantity of the pumps

#### DESCRIPTION

The control unit is designed to protect and control surface pumps, drainage pumps and booster sets. Main advantage of the unit; it can be used with all motors up to 15 kW (20 HP) without any change. So it helps to reduce your stocks.

#### TECHNICAL INFORMATION

- |                           |                               |
|---------------------------|-------------------------------|
| ↳ Voltage (Single phase)  | : 1N~50-60 Hz 230 V±%10       |
| ↳ Voltage (Three phase)   | : 3N~50-60 Hz 400 V±%10       |
| ↳ Motor power             | : 0.75-10.0 HP / 10.0-20.0 HP |
| ↳ Frequency               | : 50-60 Hz                    |
| ↳ Panel body and cover    | : ABS                         |
| ↳ Max ambient temperature | : +40 °C                      |
| ↳ Motor starting          | : Direct                      |
| ↳ Protection level        | : IP55                        |
| ↳ Insulation class        | : F                           |

#### PANEL FEATURES

- ↳ PTC input
- ↳ Float input
- ↳ Front panel leds
- ↳ Over current protection
- ↳ Pressure switch input
- ↳ Reverse rotating protection
- ↳ High and low voltage protection
- ↳ Equal aging feature at two pump control panels
- ↳ On request the panel can be equipped with acoustic & lighting alarm and the weekly testing unit consisting of a weekly timer.

#### CONTROL PANELS FOR SINGLE PUMP SYSTEMS

PRODUCT CODE	MODEL	POWER		CURRENT SETTING RANGE	VOLTAGE (V)	DIMENSIONS (mm)		
		kW	HP			WIDTH	LENGTH	DEPTH
1311.0001	<b>1 KP M 1x3 HP</b>	0.55-2.2	0.75-3.0	2-18 A	220 Volt	250	200	90
1321.0001	<b>1 KP T 3x10 HP</b>	0.55-7.5	0.75-10.0	2-18 A	380 Volt	250	200	90
1321.0002	<b>1 KP T 3x20 HP</b>	7.5-15.0	10.0-20.0	18-36 A	380 Volt	310	230	130

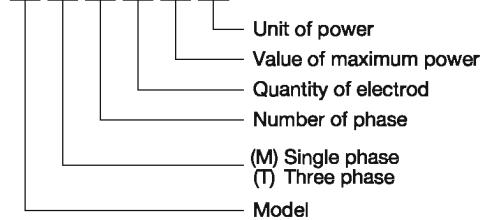
#### CONTROL PANELS FOR DOUBLE PUMP SYSTEMS

PRODUCT CODE	MODEL	POWER		CURRENT SETTING RANGE	VOLTAGE (V)	DIMENSIONS (mm)		
		kW	HP			WIDTH	LENGTH	DEPTH
1312.0001	<b>2 KP M 1x3 HP</b>	2x0.55-2.2	2x0.75-3.0	2x2-18 A	220 Volt	310	230	130
1322.0001	<b>2 KP T 3x10 HP</b>	2x0.55-7.5	2x0.75-10.0	2x2-18 A	380 Volt	310	230	130
1322.0002	<b>2 KP T 3x20 HP</b>	2x7.5-15.0	2x10.0-20.0	2x18-36 A	380 Volt	350	450	180

### DEEP WELL SUBMERSIBLE PUMPS ELECTRONIC CONTROL



**DK T 3x2 -10 HP**



#### DESCRIPTION

The control unit is designed to protect and control deep well submersible pumps. Main advantage of the unit; it can be used with all motors up to 15 kW (20 HP) without any change. So it helps to reduce your stocks.

#### TECHNICAL INFORMATION

↳ Voltage (Single phase)	: 1N~50-60 Hz 230 V±%10
↳ Voltage (Three phase)	: 3N~50-60 Hz 400 V±%10
↳ Motor power	: 0.75-10.0 HP / 10.0-20.0 HP
↳ Frequency	: 50-60 Hz
↳ Panel body and cover	: ABS
↳ Max ambient temperature	: +40 °C
↳ Motor starting	: Direct
↳ Protection level	: IP55
↳ Insulation class	: F

#### PANEL FEATURES

- ↳ PTC input
- ↳ Float input
- ↳ Front panel leds
- ↳ Over current protection
- ↳ Pressure switch input
- ↳ Reverse rotating protection
- ↳ High and low voltage protection
- ↳ Operating with two electrodes
- ↳ Operating with three electrodes (On request)
- ↳ Ability to limit the number of motor start (Between 30 second ~ 70 minute)
- ↳ On request the panel can be equipped with acoustic & lighting alarm and the weekly testing unit consisting of a weekly timer.

PRODUCT CODE	MODEL	POWER		CURRENT SETTING RANGE	VOLTAGE (V)	DIMENSIONS (mm)		
		kW	HP			WIDTH	LENGTH	DEPTH
1411.0001	<b>DK M 1x2-3 HP</b>	0.55-2.2	0.75-3.0	2-18 A	220 Volt	250	200	90
1421.0001	<b>DK T 3x2-10 HP</b>	0.55-7.5	0.75-10.0	2-18 A	380 Volt	250	200	90
1421.0002	<b>DK T 3x2-20 HP</b>	7.5-15.0	10.0-20.0	18-36 A	380 Volt	310	230	130

### PUMP-BOOSTER SET-DRAINAGE PUMP WITH THERMAL RELAY



#### DESCRIPTION

The control unit is designed to protect and control surface pumps, drainage pumps and booster sets.

#### TECHNICAL INFORMATION

- |                           |                         |
|---------------------------|-------------------------|
| ■ Voltage (Three phase)   | : 3N~50-60 Hz 400 V±%10 |
| ■ Motor power             | : 1.0-10.0 HP           |
| ■ Frequency               | : 50-60 Hz              |
| ■ Panel body and cover    | : ABS                   |
| ■ Max ambient temperature | : +40 °C                |
| ■ Protection level        | : IP55                  |
| ■ Insulation class        | : F                     |

#### PANEL FEATURES

- Float input
- Front panel leds
- Over current protection
- Pressure switch input
- Reverse rotating protection
- High and low voltage protection
- Equal aging feature at two pump control panels

#### CONTROL PANELS FOR SINGLE PUMP SYSTEMS

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	DIMENSIONS (mm)		
		kW	HP		WIDTH	LENGTH	DEPTH
1321.0200	<b>1 KPC 18-25</b>	0.75-1.1	1.0-1.5	380 Volt	125	230	125
1321.0201	<b>1 KPC 25-40</b>	1.5	2.0	380 Volt	125	230	125
1321.0202	<b>1 KPC 40-60</b>	2.2	3.0	380 Volt	125	230	125
1321.0203	<b>1 KPC 55-80</b>	3.0	4.0	380 Volt	125	230	125
1321.0204	<b>1 KPC 70-100</b>	4.0	5.5	380 Volt	125	230	125
1321.0205	<b>1 KPC 100-130</b>	5.5	7.5	380 Volt	125	230	125
1321.0206	<b>1 KPC 120-180</b>	7.5	10.0	380 Volt	125	230	125

#### CONTROL PANELS FOR DOUBLE PUMP SYSTEMS

PRODUCT CODE	MODEL	POWER		VOLTAGE (V)	DIMENSIONS (mm)		
		kW	HP		WIDTH	LENGTH	DEPTH
1322.0200	<b>2 KPC 18-25</b>	0.75-1.1	1.0-1.5	380 Volt	300	400	165
1322.0201	<b>2 KPC 25-40</b>	1.5	2.0	380 Volt	300	400	165
1322.0202	<b>2 KPC 40-60</b>	2.2	3.0	380 Volt	300	400	165
1322.0203	<b>2 KPC 55-80</b>	3.0	4.0	380 Volt	300	400	165
1322.0204	<b>2 KPC 70-100</b>	4.0	5.5	380 Volt	300	400	165
1322.0205	<b>2 KPC 100-130</b>	5.5	7.5	380 Volt	300	400	165
1322.0206	<b>2 KPC 120-180</b>	7.5	10.0	380 Volt	300	400	165



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**FIRE FIGHTING SETS**

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## ELECTRICS GROUPS

PRODUCT CODE	MODEL	FLOW RATE (m³/h)	PRESSURE (meter)	POWER (kW)	
				ELECTRIC PUMP	JOKE PUMP
-	<b>2 MHE 32/250-7</b>	2x12.0	60	2x7.5	1.5
-	<b>2 MHE 32/250-11</b>	2x12.0	75	2x11.0	1.5
-	<b>2 MHE 32/250-15</b>	2x12.0	85	2x15.0	1.5
-	<b>2 MHE 32/250-18</b>	2x12.0	95	2x18.5	1.5
-	<b>2 MHE 40/250-15</b>	2x40.0	65	2x15.0	3.0
-	<b>2 MHE 40/250-18</b>	2x40.0	80	2x18.5	3.0
-	<b>2 MHE 40/250-22</b>	2x40.0	90	2x22.0	3.0
-	<b>2 MHE 40/250-30</b>	2x40.0	100	2x30.0	3.0
-	<b>2 MHE 50/250-22</b>	2x60.0	60	2x22.0	3.0
-	<b>2 MHE 50/250-30</b>	2x60.0	75	2x30.0	3.0
-	<b>2 MHE 50/250-37</b>	2x60.0	95	2x37.0	3.0
-	<b>2 MHE 50/250-45</b>	2x60.0	105	2x45.0	3.0
-	<b>2 MHE 65/250-30</b>	2x100.0	55	2x30.0	3.0
-	<b>2 MHE 65/250-37</b>	2x100.0	70	2x37.0	3.0
-	<b>2 MHE 65/250-45</b>	2x100.0	80	2x45.0	3.0
-	<b>2 MHE 65/250-55</b>	2x100.0	95	2x55.0	3.0
-	<b>2 MHE 80/250-45</b>	2x120.0	60	2x45.0	5.5
-	<b>2 MHE 80/250-55</b>	2x120.0	70	2x55.0	5.5
-	<b>2 MHE 80/250-75</b>	2x120.0	85	2x75.0	5.5
-	<b>2 MHE 80/250-90</b>	2x120.0	100	2x90.0	5.5
-	<b>2 MHE 100/250-75</b>	2x180.0	80	2x75.0	5.5
-	<b>2 MHE 100/250-90</b>	2x180.0	90	2x90.0	5.5
-	<b>2 MHE 100/250-110</b>	2x180.0	95	2x110.0	5.5



## DESCRIPTION

Fire fighting sets are designed to ensure maximum safety at the application field. Sets can be grouped with vertical multistage pumps and/or horizontal single stage pumps.

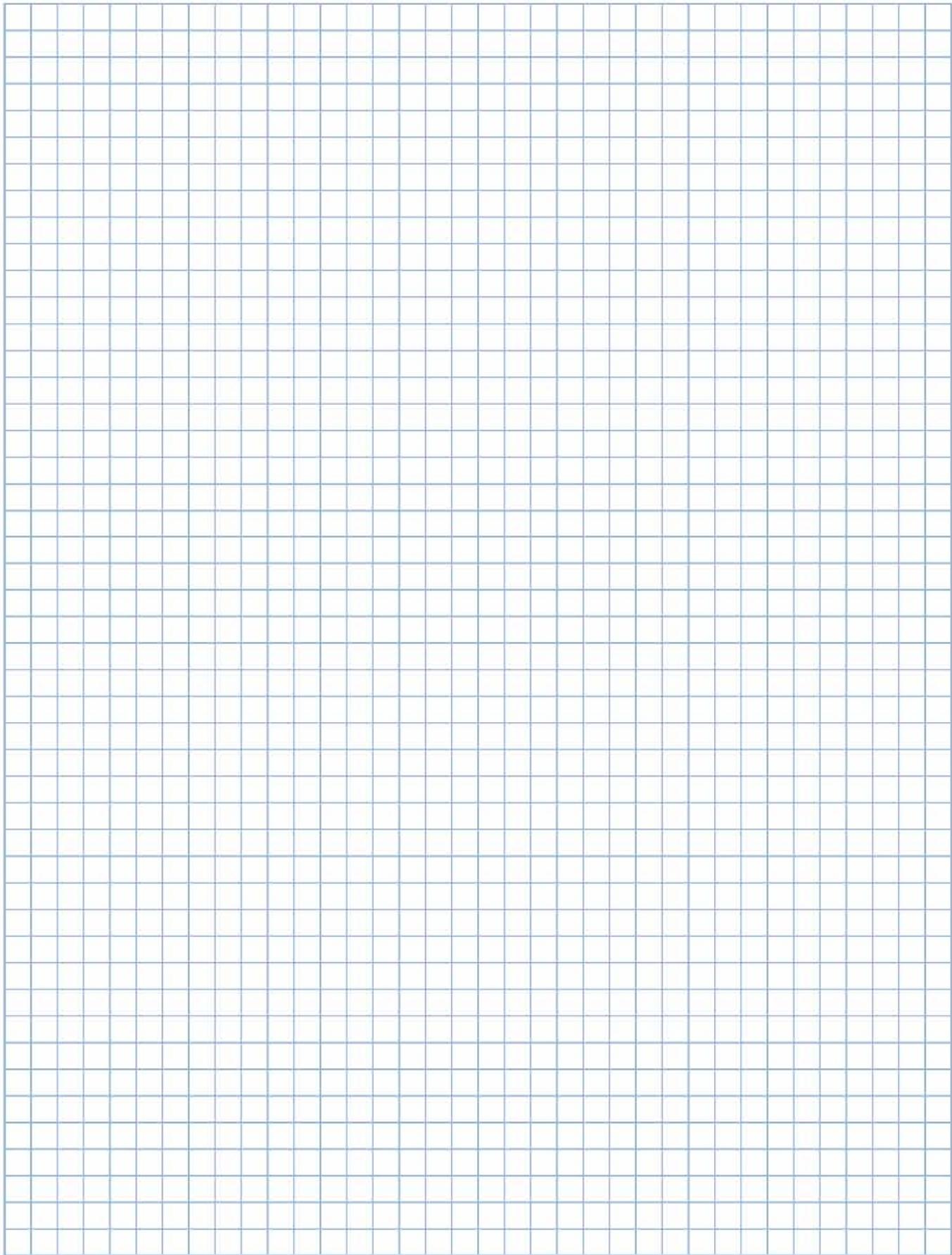
Sets with horizontal single stage pumps can be equipped with diesel motor and a vertical multistage pump can be added to system as pilot pump.

Fire fighting sets are equiped with the weekly testing unit consisting of a weekly timer, discharge solenoid valve, acoustic and lighting alarm.

For details please contact our company.

## DIESEL GROUPS

PRODUCT CODE	MODEL	FLOW RATE (m³/h)	PRESSURE (meter)	POWER (kW)		
				ELECTRIC PUMP	DIESEL PUMP	JOKE PUMP
-	<b>2 MHED 32/250-7</b>	2x12.0	60	7.5	8.8	1.5
-	<b>2 MHED 32/250-11</b>	2x12.0	75	11.0	13.0	1.5
-	<b>2 MHED 32/250-15</b>	2x12.0	85	15.0	20.0	1.5
-	<b>2 MHED 32/250-18</b>	2x12.0	95	18.5	20.0	1.5
-	<b>2 MHED 40/250-15</b>	2x40.0	65	15.0	20.0	3.0
-	<b>2 MHED 40/250-18</b>	2x40.0	80	18.5	20.0	3.0
-	<b>2 MHED 40/250-22</b>	2x40.0	90	22.0	26.0	3.0
-	<b>2 MHED 40/250-30</b>	2x40.0	100	30.0	34.0	3.0
-	<b>2 MHED 50/250-22</b>	2x60.0	60	22.0	26.0	3.0
-	<b>2 MHED 50/250-30</b>	2x60.0	75	30.0	34.0	3.0
-	<b>2 MHED 50/250-37</b>	2x60.0	95	37.0	42.0	3.0
-	<b>2 MHED 50/250-45</b>	2x60.0	105	45.0	42.0	3.0
-	<b>2 MHED 65/250-30</b>	2x100.0	55	30.0	34.0	3.0
-	<b>2 MHED 65/250-37</b>	2x100.0	70	37.0	42.0	3.0
-	<b>2 MHED 65/250-45</b>	2x100.0	80	45.0	42.0	3.0
-	<b>2 MHED 65/250-55</b>	2x100.0	95	55.0	68.0	3.0
-	<b>2 MHED 80/250-45</b>	2x120.0	60	45.0	42.0	5.5
-	<b>2 MHED 80/250-55</b>	2x120.0	70	55.0	68.0	5.5
-	<b>2 MHED 80/250-75</b>	2x120.0	85	75.0	68.0	5.5
-	<b>2 MHED 80/250-90</b>	2x120.0	100	90.0	98.0	5.5
-	<b>2 MHED 100/250-75</b>	2x180.0	80	75.0	98.0	5.5
-	<b>2 MHED 100/250-90</b>	2x180.0	90	90.0	98.0	5.5
-	<b>2 MHED 100/250-110</b>	2x180.0	95	110.0	109.0	5.5





**HidroTank**



**ACCESSORIES**

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#### DESCRIPTION

Pressure switch controls the system and makes it work between the minimum and maximum setting values; at the maximum setting value, the electric contacts opens and stops the motor, at the minimum value, they close and starts the motor.

#### FIELDS OF USE

- ▶ Air compressors
- ▶ Water pumps
- ▶ Booster sets

#### SINGLE PHASE PRESSURE SWITCHES

PRODUCT CODE	MODEL	PRODUCT TYPE	VOLTAGE (V)	CONNECTION SIZE	DIFFERENTIAL (BAR)
1600.1001	<b>MBSM6 1/6</b>	1-6 Bar without unloader valve	220 Volt	1/4"	0.9/2.5 Bar
1600.1002	<b>MBSM15 1/6</b>	1-6 Bar without unloader valve	220 Volt	1/2"	0.9/2.5 Bar
1600.1003	<b>MBSM6 2/11</b>	2-11 Bar without unloader valve	220 Volt	1/4"	1.0/3.5 Bar
1600.1004	<b>MBSM15 2/11</b>	2-11 Bar without unloader valve	220 Volt	1/2"	1.0/3.5 Bar
1600.1005	<b>MBSM6 5/15</b>	5-15 Bar without unloader valve	220 Volt	1/4"	1.8/7.5 Bar
1600.1006	<b>MBSM6 1/6R</b>	1-6 Bar with unloader valve on/off	220 Volt	1/4"	0.9/2.5 Bar
1600.1007	<b>MBSM6 2/11R</b>	2-11 Bar with unloader valve on/off	220 Volt	1/4"	1.0/3.5 Bar

#### THREE PHASE PRESSURE SWITCHES

1600.1101	<b>MBST6 2/8</b>	2-8 Bar without unloader valve	380 Volt	1/4"	0.94.7 Bar
1600.1102	<b>MBST6 3/11</b>	3-11 Bar without unloader valve	380 Volt	1/4"	1.2/5.3 Bar
1600.1103	<b>MBST6 4/16</b>	4-16 Bar without unloader valve	380 Volt	1/4"	1.8/7.5 Bar
1600.1104	<b>MBST15 2/8</b>	2-8 Bar without unloader valve	380 Volt	1/2"	0.94.7 Bar
1600.1105	<b>MBST15 3/11</b>	3-11 Bar without unloader valve	380 Volt	1/2"	1.2/5.3 Bar
1600.1106	<b>MBST15 4/16</b>	4-16 Bar without unloader valve	380 Volt	1/2"	1.8/7.5 Bar



### FLOAT SWITCH FOR CLEAN WATER - PVC WIRE - 16 A MICRO SWITCH



PRODUCT CODE	MODEL	DESCRIPTION	LENGTH (Meter)	CABLE SECTION (mm²)	TYPE OF CABLE	CABLE DIAMETER (mm)
1700.0014	<b>SF 60</b>	Float switch for water	0.6	3x1	Pvc wire	7.8
1700.0017	<b>SF 160</b>	Float switch for water	1.6	3x1	Pvc wire	7.8
1700.0023	<b>SF 300</b>	Float switch for water	3	3x1	Pvc wire	7.8
1700.0025	<b>SF 500</b>	Float switch for water	5	3x1	Pvc wire	7.8
1700.0018	<b>SF 1000</b>	Float switch for water	10	3x1	Pvc wire	7.8
1700.0021	<b>SF 1500</b>	Float switch for water	15	3x1	Pvc wire	7.8
1700.0049	<b>SF 2000</b>	Float switch for water	20	3x1	Pvc wire	7.8

### FLOAT SWITCH FOR CLEAN WATER - RUBBER WIRE - 22 A MICRO SWITCH



PRODUCT CODE	MODEL	DESCRIPTION	LENGTH (Meter)	CABLE SECTION (mm²)	TYPE OF CABLE	CABLE DIAMETER (mm)
1700.0041	<b>MFK 060Q</b>	Float switch for water	0.6	3x1.5	Rubber wire	9.0
1700.0042	<b>MFK 060</b>	Float switch for water	0.6	3x1	Rubber wire	9.0
1700.0043	<b>MFK 160</b>	Float switch for water	1.6	3x1	Rubber wire	7.8
1700.0044	<b>MFK 300</b>	Float switch for water	3	3x1	Rubber wire	7.8
1700.0045	<b>MFK 500</b>	Float switch for water	5	3x1	Rubber wire	7.8
1700.0046	<b>MFK 1000</b>	Float switch for water	10	3x1	Rubber wire	7.8
1700.0047	<b>MFK 1500</b>	Float switch for water	15	3x1	Rubber wire	7.8
1700.0048	<b>MFK 2000</b>	Float switch for water	20	3x1	Rubber wire	7.8

### FLOAT SWITCH FOR WASTE WATER (90° working angle)



PRODUCT CODE	MODEL	DESCRIPTION	LENGTH (Meter)	TYPE OF CABLE
1700.0032	<b>FTE 300 A</b>	Float switch for waste water	3	Rubber wire
1700.0007	<b>FTE 500 A</b>	Float switch for waste water	5	Rubber wire
1700.0001	<b>FTE 1000 A</b>	Float switch for waste water	10	Rubber wire
1700.0003	<b>FTE 1500 A</b>	Float switch for waste water	15	Rubber wire
1700.0005	<b>FTE 2000 A</b>	Float switch for waste water	20	Rubber wire

### FLOAT SWITCH FOR WASTE WATER (40° working angle)



PRODUCT CODE	MODEL	DESCRIPTION	LENGTH (Meter)	TYPE OF CABLE
1700.0033	<b>FTE 300 B</b>	Float switch for waste water	3	Rubber wire
1700.0008	<b>FTE 500 B</b>	Float switch for waste water	5	Rubber wire
1700.0002	<b>FTE 1000 B</b>	Float switch for waste water	10	Rubber wire
1700.0004	<b>FTE 1500 B</b>	Float switch for waste water	15	Rubber wire
1700.0006	<b>FTE 2000 B</b>	Float switch for waste water	20	Rubber wire

**THREADED BALL TYPE WASTE WATER CHECK VALVES**

PRODUCT CODE	MODEL	DESCRIPTION	THREAD SIZE
1400.0002	<b>M PSCV 32</b>	Threaded ball type waste water check valve - Cast iron body	1 1/4"
1400.0001	<b>M PSCV 40</b>	Threaded ball type waste water check valve - Cast iron body	1 1/2"
1400.0003	<b>M PSCV 50</b>	Threaded ball type waste water check valve - Cast iron body	2"
1400.0004	<b>M PSCV 65</b>	Threaded ball type waste water check valve - Cast iron body	2 1/2"

**FLANGED BALL TYPE WASTE WATER CHECK VALVES**

PRODUCT CODE	MODEL	DESCRIPTION	THREAD SIZE
1400.0006	<b>M PSCV F50</b>	Threaded ball type waste water check valve - Cast iron body	DN 50
1400.0007	<b>M PSCV F65</b>	Threaded ball type waste water check valve - Cast iron body	DN 65
1400.0005	<b>M PSCV F80</b>	Threaded ball type waste water check valve - Cast iron body	DN 80
1400.0008	<b>M PSCV F100</b>	Threaded ball type waste water check valve - Cast iron body	DN 100



#### PRESSURE GAUGES



PRODUCT CODE	MODEL	BODY DIAMETER (mm)	SCALE PRESSURE RANGE	CONNECTION TYPE	CONNECTION DIAMETER	BODY MATERIAL
4010.0001	MN A 510	50	0-10 Bar	Altan	1/4" BSP	Metal
4010.0002	MN A 516	50	0-16 Bar	Altan	1/4" BSP	Metal
4010.0004	MN A 610	63	0-10 Bar	Altan	1/4" BSP	Metal
4010.0005	MN A 616	63	0-16 Bar	Altan	1/4" BSP	Metal
4020.0001	MN R 510	50	0-10 Bar	Arkadan	1/4" BSP	Metal
4020.0002	MN R 516	50	0-16 Bar	Arkadan	1/4" BSP	Metal

#### FEATURES

- ➡ Tolerance : %1.6
- ➡ Scaling unit : Bar / Psi
- ➡ Working temperature range : -20°C ~ +60°C



#### MATERIAL DETAILS

PART	DESCRIPTION
Body	Steel
Connection	Brass
Inner parts	Brass
Scale	Aluminium
Mechanism	Brass
Expansion tube	Copper
Pointer	Aluminium



#### GALVANIZED or FIBER STEEL FLEXIBLE HOSES WITH ELBOW



PRODUCT CODE	MODEL	HOSE DIAMETER	MAXIMUM WORKING PRESSURE	LENGTH (cm)	KNIT MATERIAL	OTHER PARTS MATERIAL
2000.0007	<b>FL 1-50 D</b>	1"	10 Bar	50	Galvanized	Galvanized steel
2000.0009	<b>FL 1-60 D</b>	1"	10 Bar	60	Galvanized	Galvanized steel
2000.0011	<b>FL 1-70 D</b>	1"	10 Bar	70	Galvanized	Galvanized steel
2000.0013	<b>FL 1-80 D</b>	1"	10 Bar	80	Galvanized	Galvanized steel
2000.0015	<b>FL 1-90 D</b>	1"	10 Bar	90	Galvanized	Galvanized steel
2000.0001	<b>FL 1-100 D</b>	1"	10 Bar	100	Galvanized	Galvanized steel
2000.0005	<b>FL 1-150 D</b>	1"	10 Bar	150	Galvanized	Galvanized steel
2000.0025	<b>FL 14-100 D</b>	1 1/4"	10 Bar	100	Galvanized	Galvanized steel
2000.0029	<b>FL 14-150 D</b>	1 1/4"	10 Bar	150	Galvanized	Galvanized steel
2000.0017	<b>FL 12-100 D</b>	1 1/2"	10 Bar	100	Galvanized	Galvanized steel
2000.0021	<b>FL 12-150 D</b>	1 1/2"	10 Bar	150	Galvanized	Galvanized steel
2000.0033	<b>FL 2-100 D</b>	2"	10 Bar	100	Galvanized	Galvanized steel
2000.0037	<b>FL 2-150 D</b>	2"	10 Bar	150	Galvanized	Galvanized steel



#### CHECK VALVES - Female connection



PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE
1200.0006	<b>VS 10</b>	Check valve - Spring type - Female connection	1/2"
1200.0007	<b>VS 11</b>	Check valve - Spring type - Female connection	3/4"
1200.0001	<b>VS 12</b>	Check valve - Spring type - Female connection	1"
1200.0003	<b>VS 13</b>	Check valve - Spring type - Female connection	1 1/4"
1200.0002	<b>VS 14</b>	Check valve - Spring type - Female connection	1 1/2"
1200.0004	<b>VS 15</b>	Check valve - Spring type - Female connection	2"
1200.0005	<b>VS 16</b>	Check valve - Spring type - Female connection	2 1/2"

#### CHECK VALVES - Male connection



PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE
1200.0008	<b>VSD 12</b>	Check valve - Spring type - Male connection	1"
1200.0009	<b>VSD 13</b>	Check valve - Spring type - Male connection	1 1/4"
1200.0010	<b>VSD 14</b>	Check valve - Spring type - Male connection	1 1/2"
1200.0011	<b>VSD 15</b>	Check valve - Spring type - Male connection	2"

#### GLEN CHECK VALVES



PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE
1200.0020	<b>VSG 10</b>	Check valve with glen	1"
1200.0021	<b>VSG 11</b>	Check valve with glen	1 1/4"
1200.0022	<b>VSG 12</b>	Check valve with glen	1 1/2"
1200.0023	<b>VSG 15</b>	Check valve with glen	2"

#### RECORD CHECK VALVES



PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE
1200.0030	<b>VSR 11</b>	Check valve with union	1 1/4"
1200.0031	<b>VSR 12</b>	Check valve with union	1 1/2"
1200.0032	<b>VSR 13</b>	Check valve with union	2"



#### 5 WAY BRASS CONNECTION

PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE	HEIGHT (mm)
1000.0001	B 10	5 way fittings - Regular	1"	90
1000.0004	B 11	5 way fittings - Long type	1"	110
1000.0002	B 12	5 way fittings	1 1/4"	120



#### 5 WAY BRASS CONNECTION WITH CHECK VALVE (ECO TYPE)

PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE	HEIGHT (mm)
1100.0002	C 10	5 way check valve fittings	1"	92



#### 5 WAY BRASS CONNECTION WITH CHECK VALVE - FEMALE CONNECTION

PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE	HEIGHT (mm)
1100.0007	C 20 i	5 way check valve fittings - Female	1"	101
1100.0008	C 21 i	5 way check valve fittings - Female	1 1/4"	117
1100.0009	C 22 i	5 way check valve fittings - Female	1 1/2"	130
1100.0010	C 23 i	5 way check valve fittings - Female	2"	150



#### 5 WAY BRASS CONNECTION WITH CHECK VALVE - MALE CONNECTION

PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE	HEIGHT (mm)
1100.0006	C 20 D	5 way check valve fittings - Male	1"	107
1100.0004	C 21 D	5 way check valve fittings - Male	1 1/4"	129
1100.0003	C 22 D	5 way check valve fittings - Male	1 1/2"	147
1100.0005	C 23 D	5 way check valve fittings - Male	2"	164

#### FEATURES

- Compact design 5 way connector and check valve together
- Minimum pressure loss and maximum flow rate with perfect hydraulic design
- Noise free operation
- Installation in all positions (vertical, horizontal or inclined)
- Sealing with EPDM gasket
- Maximum working pressure : 16 Bar
- Test pressure : 40 Bar
- Liquid temperature range : -15°C ~ +80°C



**BALL VALVES - PN16 SERIES**



PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE
1300.0021	M KV16 25F	Ball valve - Female - PN16	1"
1300.0022	M KV16 32F	Ball valve - Female - PN16	1 1/4"
1300.0023	M KV16 40F	Ball valve - Female - PN16	1 1/2"
1300.0024	M KV16 50F	Ball valve - Female - PN16	2"
1300.0025	M KV16 65F	Ball valve - Female - PN16	2 1/2"
1300.0026	M KV16 80F	Ball valve - Female - PN16	3"



1300.0030	M KV16 25M	Ball valve - Male - PN16	1"
1300.0031	M KV16 32M	Ball valve - Male - PN16	1 1/4"
1300.0032	M KV16 40M	Ball valve - Male - PN16	1 1/2"
1300.0033	M KV16 50M	Ball valve - Male - PN16	2"

**BALL VALVES - PN25 SERIES**



PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE
1300.0080	M KV25 25F	Ball valve - Female - PN25	1"
1300.0081	M KV25 32F	Ball valve - Female - PN25	1 1/4"
1300.0082	M KV25 40F	Ball valve - Female - PN25	1 1/2"
1300.0083	M KV25 50F	Ball valve - Female - PN25	2"



1300.0090	M KV25 25M	Ball valve - Male - PN25	1"
1300.0091	M KV25 32M	Ball valve - Male - PN25	1 1/4"
1300.0092	M KV25 40M	Ball valve - Male - PN25	1 1/2"
1300.0093	M KV25 50M	Ball valve - Male - PN25	2"

**BALL VALVES WITH GLENS**



PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE
1300.0040	M GKV 32F	Ball valve with glen	1 1/4"
1300.0041	M GKV 40F	Ball valve with glen	1 1/2"
1300.0042	M GKV 50F	Ball valve with glen	2"
1300.0043	M GKV 65F	Ball valve with glen	2 1/2"



#### RECORD BALL VALVES



PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE
1300.0049	M RKV 16-25	Check valve with union - PN16	1"
1300.0050	M RKV 16-32	Check valve with union - PN16	1 1/4"
1300.0051	M RKV 16-40	Check valve with union - PN16	1 1/2"
1300.0052	M RKV 16-50	Check valve with union - PN16	2"
1300.0053	M RKV 25-32	Check valve with union - PN25	1 1/4"
1300.0054	M RKV 25-40	Check valve with union - PN25	1 1/2"
1300.0055	M RKV 25-50	Check valve with union - PN25	2"

#### BALL VALVES WITH CHECK VALVE - FEMALE / MALE



PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE
1300.0070	M RBX 25F	Check valve with ball valve - Female	1"
1300.0071	M RBX 32M	Check valve with ball valve - Male	1 1/4"
1300.0072	M RBX 40M	Check valve with ball valve - Male	1 1/2"

#### BALL VALVES WITH CHECK VALVE - UNION



PRODUCT CODE	MODEL	DESCRIPTION	CONNECTION SIZE
1300.0060	M RBXR 25/32	Check valve with ball valve - Union	1" - 1 1/4"
1300.0061	M RBXR 32/40	Check valve with ball valve - Union	1 1/4" - 1 1/2"
1300.0062	M RBXR 40/50	Check valve with ball valve - Union	1 1/2" - 2"



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