



## Fields of Application

Water supply for  
F One- or two-family houses  
F Agricultural installations  
F Irrigation systems  
F Washing plants

## Medium Handled

Clean or turbid water not containing aggressive, abrasive or solid substances.

## Operating Data

Q up to 8 m<sup>3</sup>/h, 2.22 l/s  
H up to 54 m  
H<sub>S</sub> up to 8.0 m  
p<sub>d</sub> depending on the pump size (see table) <sup>1)</sup>  
Water temperature up to 60 °C, 50 °C for continuous operation  
Start-up pressure: can be set to 1.5 to 2.6 bar  
Only single-phase a.c. current  
H<sub>S</sub> = suction lift  
p<sub>d</sub> = max. pressure at pump discharge nozzle

<sup>1)</sup> The Controlmatic E control unit must be protected against any pressure exceeding the permissible nominal pressure.

## Design

Multi Eco multistage, self-priming centrifugal pump in close-coupled design, with power supply cable, plug and automatic control unit Controlmatic E.  
Controlmatic E switches the pump on and off automatically in line with consumer demand and protects it against dry running.

## Materials

Pump	
Pump casing	Cast iron coated with anti-corrosive
Discharge cover	Cast iron coated with anti-corrosive
Stage casing	Noryl
Shroud	Stainless steel
Diffuser	Polypropylene
Impeller	Noryl
Shaft	Chrome steel
Motor housing	Aluminium

## Controlmatic E

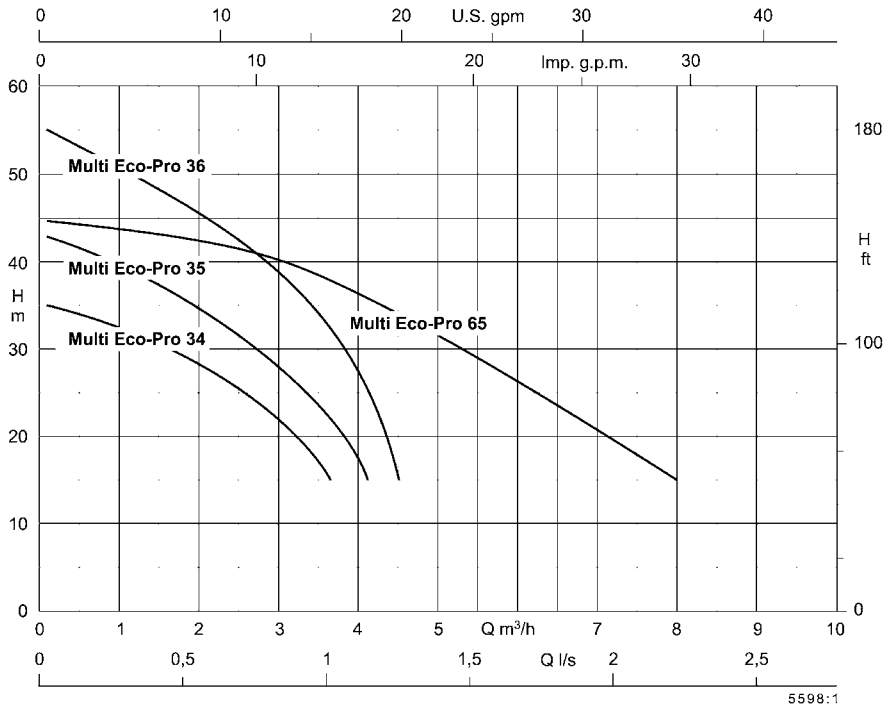
Housing	Polyamide, glass fibre reinforced
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## Drive

Single-phase a.c. motor 220–240 V / 50 Hz with integrated overload protection, IP 44, thermal class F.

## Conformity Marks

  Meets the European standards

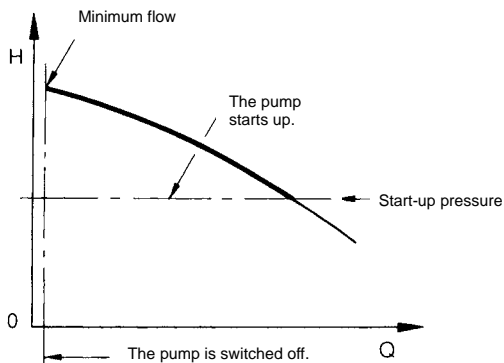


The discharge head is the sum of the suction lift + pressure head + friction losses in the suction and discharge lines + residual pressure.  
 The flow rate depends on the relevant discharge head.  
 Maximum suction lift for all pump sizes: approx. 8 m.

	Number of stages	Connections		p <sub>d</sub> *) bar	Motor 1~230 V		Cable H07RN-F		Ident No.	kg
		Suction side	Discharge side		P <sub>1</sub> kW	≈A	m	mm <sup>2</sup>		
<b>Multi Eco-Pro 34</b>	4	1	1	6	0.66	3.1	1.5	3x1	39 019 125	13
<b>Multi Eco-Pro 35</b>	5	1	1	10	0.8	3.7	1.5	3x1	39 019 126	13
<b>Multi Eco-Pro 36</b>	6	1	1	10	1.1	5.0	1.5	3x1	39 019 127	16
<b>Multi Eco-Pro 65</b>	5	1 1/4	1	10	1.3	6.1	1.5	3x1	39 019 128	16

\*) p<sub>d</sub> = max. pressure at the pump discharge nozzle  
 Under no circumstances must Controlmatic E be exposed to a pressure exceeding the nominal pressure p<sub>d</sub>.  
 A suction strainer with a foot valve must be fitted in the suction pipe upstream of the pump.

### Function



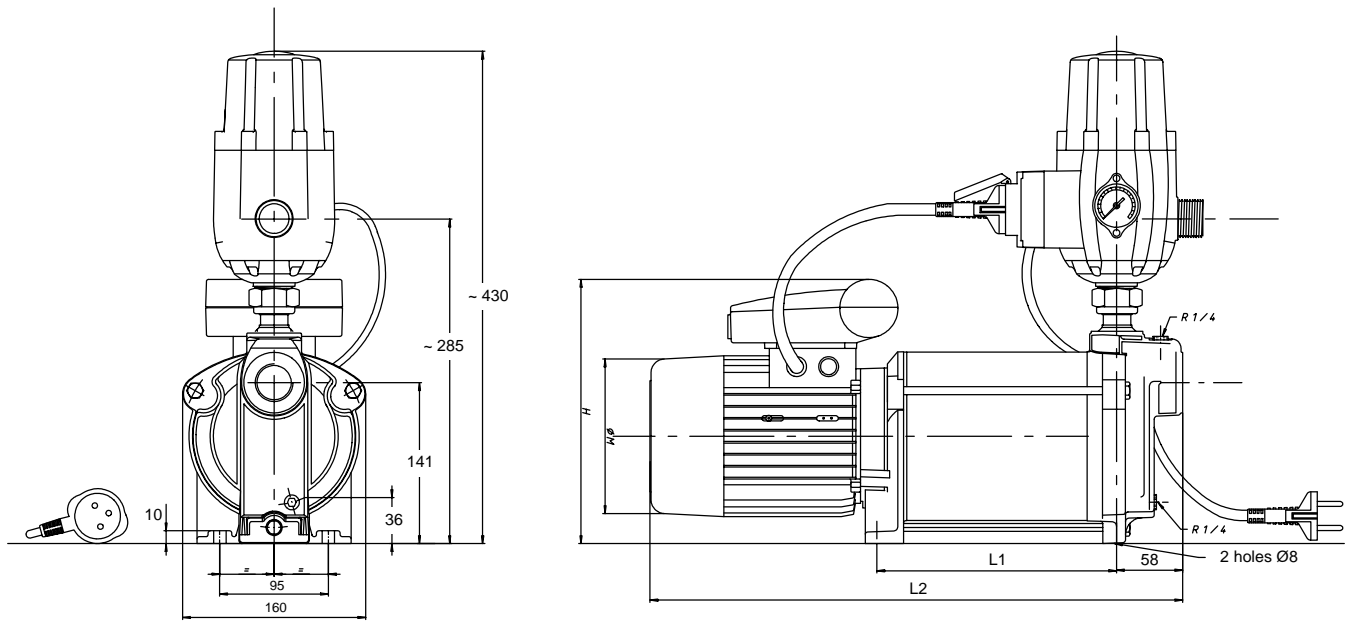
1. The tap is closed, the pump is switched off. The green "Available" signal lamp of Controlmatic E is lit.
2. When opening the tap, the system's water pressure drops and the pump starts up.
3. The pump is running, the yellow signal lamp is lit.
4. When closing the tap, there will be no flow and the pump is switched off after 10 seconds.

Simultaneous monitoring of the pressure and flow rate protects the pump against dry running.  
 In case of dry running, Controlmatic E switches off the pump; the red signal lamp "fault" is lit.

D When the pump leaves the factory, the start-up pressure is set to 1.5 bar; it can be increased to 2.6 bar max. by turning the setting knob with a screwdriver.

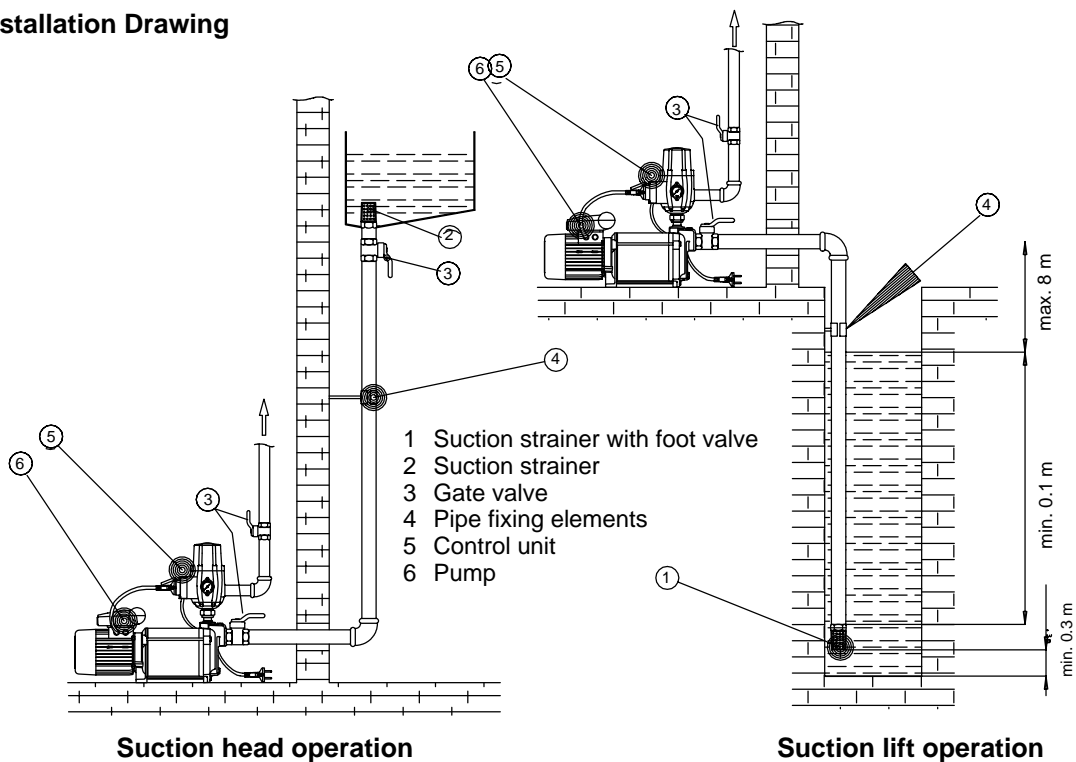
D Minimum flow rate: 0.1 m<sup>3</sup>/h

Multi Eco-Pro 34, 35, 36 and 65 mm



Multi Eco-Pro	Suction nozzle dia.	L <sub>1</sub>	L <sub>2</sub>	H	ØM
34	1	151	387	215	118
35	1	180	415	215	118
36	1	208	467	230	140
65	1 1/4	208	467	230	140

Installation Drawing



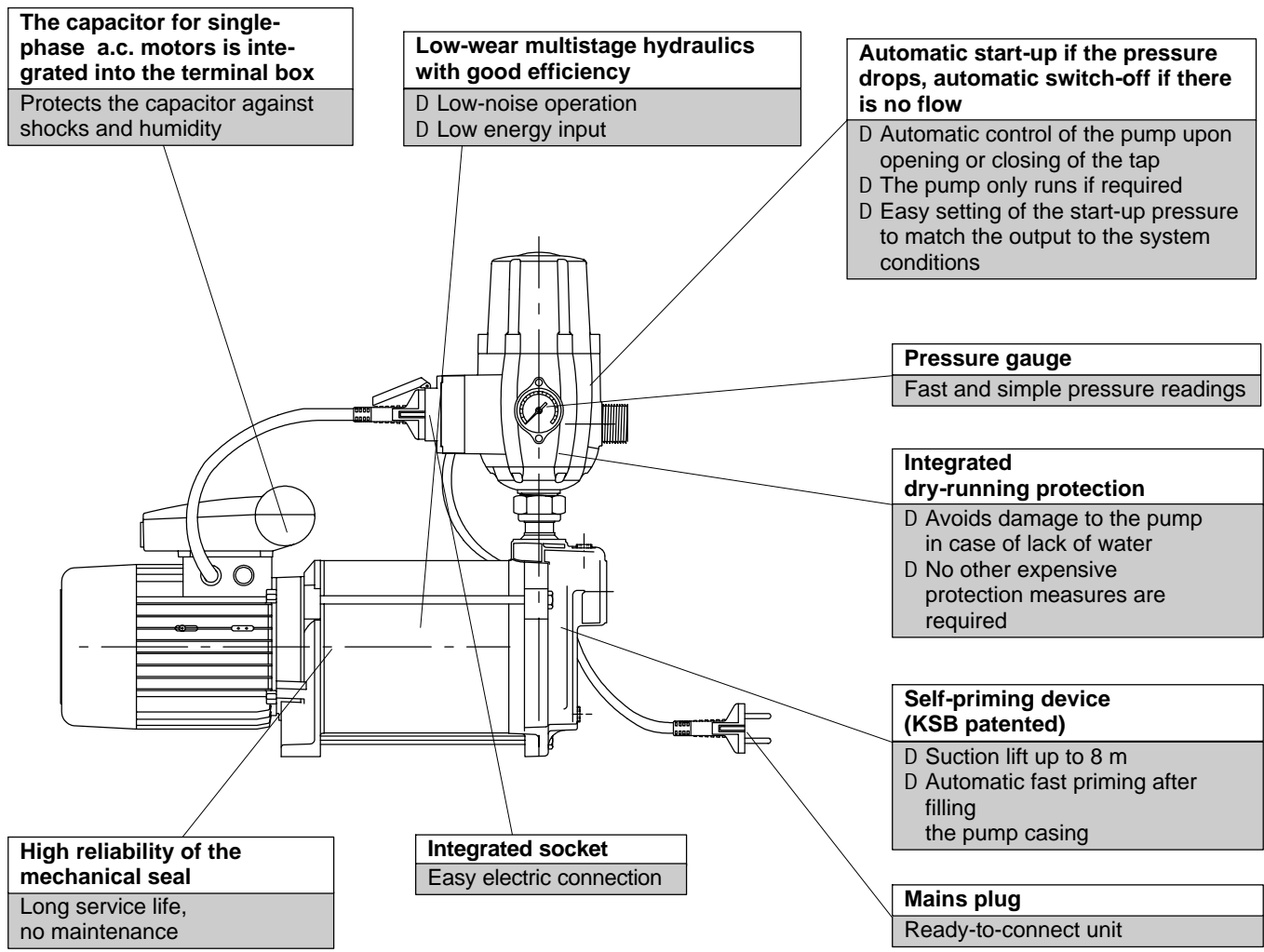
**Pump Accessories**

		≈kg
<b>Suction strainer with foot valve,</b> PVC, G 1 (for DN 25 pipe)	40 980 710	0.1
<b>Suction hose kit,</b> complete with suction strainer and foot valve, 7 m, G 1 (DN 25)	40 980 203	1.5
<b>Float switch for filling</b> with shockproof adaptor plug (NC contact); circuit open when switch floats on top 230 V AC, 50 Hz, max. 8 A, (H 07 RN-F3G1)	3 m	11 037 759
	5 m	11 037 760
<b>Weight for float switch</b>	01 076 688	0.3

**Electric Accessories**

		≈ kg
<b>Steckmat safety switch</b> 1~230 V, 10 A., fast switch-off in approx. 0.03 seconds even in the event of slight and harmless leakage currents as low as approx. 0.03amp	00 534 217	0.4
<b>Mains water back-up equipment</b> consisting of:		
Float switch and switching plug		
cable length 10 m	40 981 828	1.4
cable length 20 m	40 981 043	2.6
Solenoid valve with 3 m cable and shock-proof plug		
R 1/2	40 981 618	2.3
R 1	42 207 828	3.0
R 2	19 071 879	4.5

**Product Features**      **To Our Customers' Benefit**



Subject to technical modifications without prior notice.

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