

## Pressure booster units for domestic water supply in house and garden.

### HWE, HCE

#### Application

HOMA pressure booster units are the ideal solution for water supply from wells, collection tanks, ponds etc. High performance, silent operation, easy installation, and fully automatic operation of the pump by just opening the tap are the main advantages of all HOMA booster units.

Series HWE: Pump with pressure switch for automatic operation and diaphragm tank to avoid pump operation at small water quantity consumption.

Series HCE: Pump with electronic pump control HPS 2. The HPS 2 operates the pump depending on water pressure and flow, including a dry running protection, which stops the pump at lack of water to prevent damages from overheating. The systems are also suitable for pressure increase with a form of max. 2 bar.

**Pumped liquid:** Clear water or water with small, not abrasive dirt particles.

Max. Temperatur 35°C.

**Operation:** Permanent (S1).

#### Design

Self priming centrifugal pumps.

Serie HWE: with pressure switch, 22 l steel tank (Typ HWE 70-60: 60 l) and manometer. Serie HCE: With electronic pump control HPS 1.

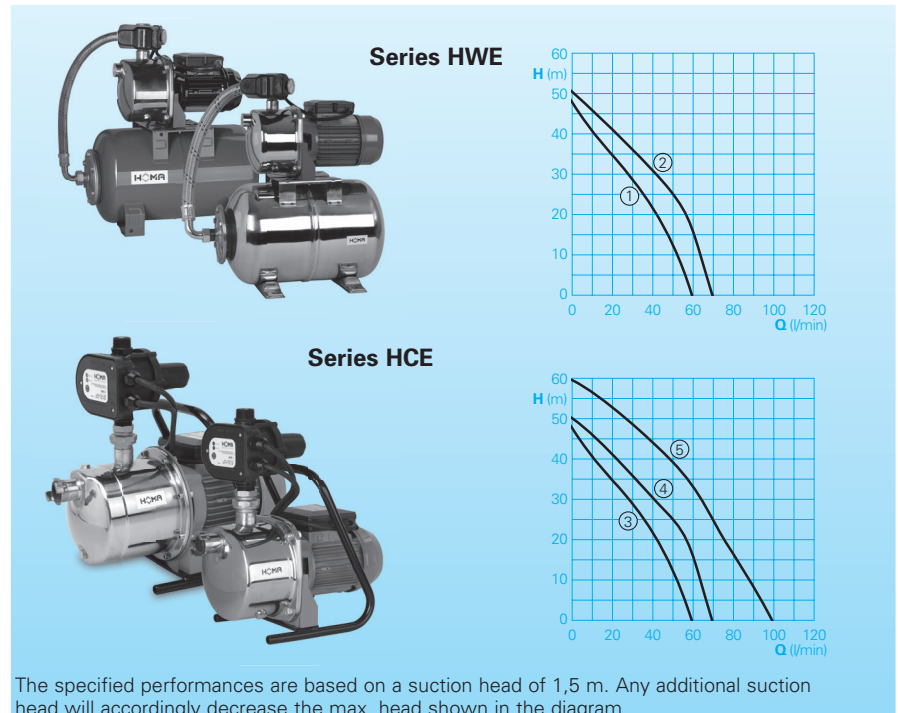
**Motor:** With single phase electric motor, insulation class F, motor protection IP 44. Voltage 230-240 V, 50 Hz. Speed 2900 rpm. Cable length 2 m.

**Shaft seal:** Mechanical seal.

**Serie HWE, HCE:** jet pumps with stainless steel pump housing, stainless steel or noryl impellers.

HCE 105: Multistage centrifugal pump  
HWE 70-60 with 60 l steel tank  
HWE 76 E with 22 l stainless steel tank.

#### Performances



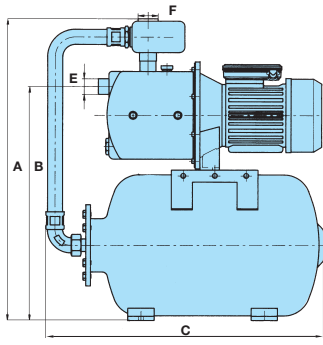
#### Technical Data

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Nominal current (A)	Suction head max. (m)	Self priming up to max. (m)	Weight (kg)
①	HWE 55	1,0	4,3	8	8	17,0
②	HWE 71	1,2	4,9	8	8	18,0
②	HWE 70-60	1,2	4,9	8	8	25,0
②	HWE 76 E	1,3	5,0	8	8	17,5
③	HCE 60	1,0	4,3	8	8	10,0
④	HCE 71	1,2	4,9	8	8	11,0
⑤	HCE 105	1,3	5,5	8	8	13,0

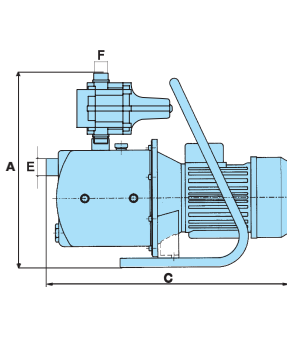
Type	Pump head in (m)	Pump flow in liter per minute (L/min)	Max. recommended hose length for operation with lawn sprinklers	Hose					
				with 1 sprinkler	with 2 sprinkles				
<b>HWE 55</b>									
m	10	20	30	40	½" (13 mm)	65 m	1x 12 m	2x 20 m	
L/min	48	44	28	10	¾" (19 mm)	380 m	1x 70 m	2x 125 m	
<b>HWE 71 / HWE 70-60 / HWE 76 E</b>									
m	10	20	30	40	50	½" (13 mm)	90 m	1x 20 m	2x 35 m
L/min	64	58	40	22	2	¾" (19 mm)	510 m	1x 118 m	2x 205 m
<b>HCE 60</b>									
m	10	20	30	40	½" (13 mm)	65 m	1x 12 m	2x 20 m	
L/min	88	75	64	50	¾" (19 mm)	380 m	1x 70 m	2x 125 m	
<b>HCE 71</b>									
m	10	20	30	40	50	½" (13 mm)	90 m	1x 20 m	2x 35 m
L/min	64	58	40	22	2	¾" (19 mm)	510 m	1x 118 m	2x 205 m
<b>HCE 105</b>									
m	10	20	30	40	50	½" (13 mm)	142 m	1x 36 m	2x 62 m
L/min	88	75	64	50	28	¾" (19 mm)	850 m	1x 218 m	2x 360 m

## Dimensions and Installations (all dimensions in mm)

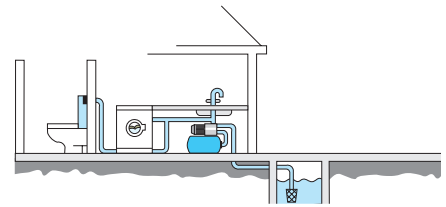
### Serie HWE



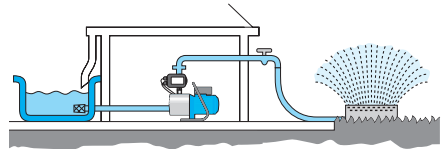
### Serie HCE



### Domestic water supply from wells

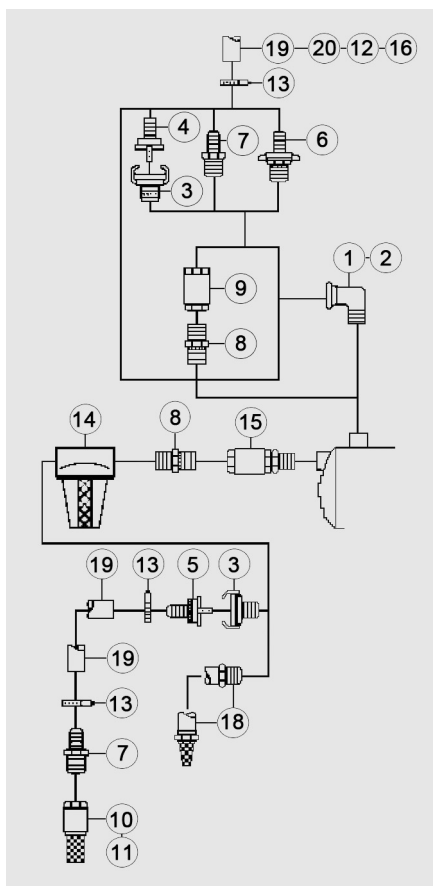


### Water supply from rain water collection tanks



Typ	A	B	C	D	E	F
HWE 55	560	450	530	270	R 1" IG	R 1" IG
HWE 71	573	437	530	270	R 1" IG	R 1" IG
HWE 70-60	695	565	748	380	R 1" IG	R 1" IG
HWE 76 E	573	437	530	270	R 1" IG	R 1" IG
HCE 60	403	-	375	282	R 1" IG	R 1" AG
HCE 71	353	-	370	280	R 1" IG	R 1" AG
HCE 105	415	-	413	280	R 1" IG	R 1" AG

### Accessories



Part Description	Dimension	Part No.
① 90° galvanized elbow	BSP 1"F/M	2111405
② 90° galvanized bend	BSP 1"F/M	2113603
③ Brass fixed coupling	BSP 3/4" M BSP 1"M	2005213 2005313
④ Brass hose coupling	1/2" 3/4" 1"	2003113 2003213 2003313
⑤ Brass half suction coupling	3/4" 1"	2007217 2007227
⑥ Brass STA-hose coupling	BSP 1"M x1"spigot	2001313
⑦ Hose spigot	BSP3/4"M x3/4"spigot BSP 1M x1"spigot BSP 1M x3/4"spigot BSP 1M x1/2"spigot	2007316 2007326 2007350 2007355
⑧ Brass double nipple	BSP 1"M BSP 1"M xBSP3/4"M	2009022 2009032
⑨ Brass non-return valve	BSP 3/4"F BSP 1"F	2009024 2009026
⑩ Foot valve with strainer	BSP 3/4" F BSP 1" F	2008145 2008146
⑪ Foot valve with strainer for driven well	outer dia. Ø 30 mm, BSP 3/4" F	2008090
⑫ Coupling spigot	3/4" 1"	2007580 2007585

Part Description	Dimension	Part No.
⑬ Hose band	1/2" 3/4"-1"	2301522 2302330
⑭ Pre filter, BSP 1"	Length 5" Length 10"	8002036 8002031
○ Cartridge for filter	BSP 1/1" length 5" BSP 1/1" length 10"	8002032 8002032 8002033
○ Sealing Set for filter	5" and 10"	8002012
⑮ Extension pipe for pre filter	BSP 1"M/F	2009028
⑯ Drain cock with hose connection		2008010
⑰ Fi protection switch		1561160
⑱ Suctionkit, complete with connector BSP 1"M, reinforced hose, dia. 23 mm, suction strainer and foot valve	length 4 m length 7 m	8522010 8522015
- foot valve and connector, brass	length 4 m length 7 m	8522019 8522021
⑲ Reinforced hose	dia. 3/4" 19 mm dia. 1" 25 mm	2632019 2632025
⑳ PVC hose	dia. 3/4" 19 mm dia. 1" 25 mm	2620700 2621000

**HOMA**  
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