Self-priming universal pumps for home and garden.

GPE

Application

HOMA self priming centrifugal pumps are the ideal solution for many applications in house and garden. Breaching lawns, filling or emptying basins or containers, pumping out in case of minor flooding of rooms. Also suitable for increased pressure with an inlet pressure of up to 1 bar. The pumps are self-priming. A 22 mm- 30 mm Ø suction line to the water station (well, tank, water, etc.) is enough. High performance, silent operation and low weight easy handling are the main advantages of these units. By installation of the automatic pump control HPS 2 (see HOMA accessory program) on the discharge of the electric motor driven pumps, the pumps are able to operate as fully automatic pressure booster units.

Pumped medium: Clear water or water containing non abrasive solids.
Max. temperature 35°C.

Operating mode: Continuous operation (S1).

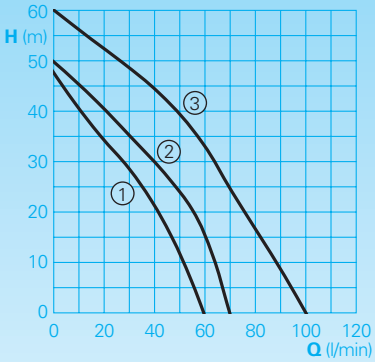
Design

Self priming centrifugal pumps with electric motor.

Motor: Single phase electric motor, insulation class F, protection rating IP 44. Voltage 230 V – 50 Hz.
Rotational speed 2900 rpm.
ON-OFF-switch.
Length of connecting cable 2 m.

Pump: Jetpumps with stainless steel pump housing, stainless steel- or noryl impellers.
Type GPE 105: Multistage centrifugal pump.

Conveying capacities



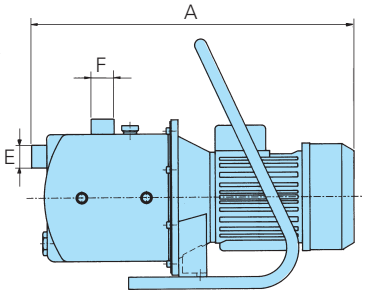
The specified performances are based on a suction head of 1,5 m.
Any additional suction head will accordingly decrease the max. head shown in the diagram.

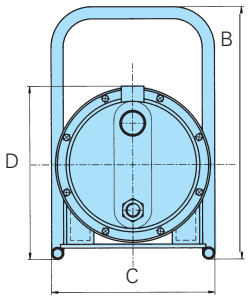
Technical data

Curve No.	Pump type	Motor input P_1 (kW)	Nomial current (A)	Suction head max. (m)	Self primimg up to max. (m)	Weight (kg)
①	GPE60	1,0	4,3	8	8	9,5
②	GPE71	1,2	4,9	8	8	10,5
③	GPE105	1,3	5,5	8	8	12,5

Type	Pump head (m) / Pump flow (l/min)					Max. hose length for operation with lawn sprinklers: Hose	with 1 sprinkler	with 2 sprinklers
GPE60								
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
GPE71								
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
GPE105								
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

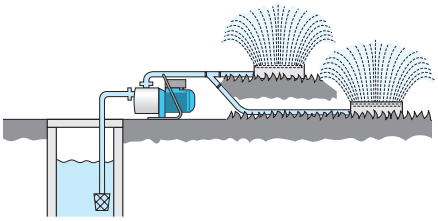
Dimensions and installation example (all dimensions in mm)



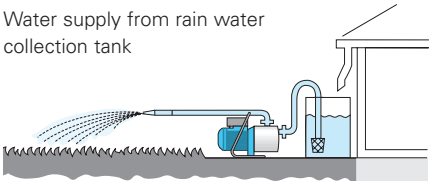


Type	A	B	C	D	E	F
GPE60	343	300	206	234	BSP1	BSP1
GPE71	370	300	206	229	BSP1	BSP1
GPE105	425	300	206	229	BSP1	BSP1

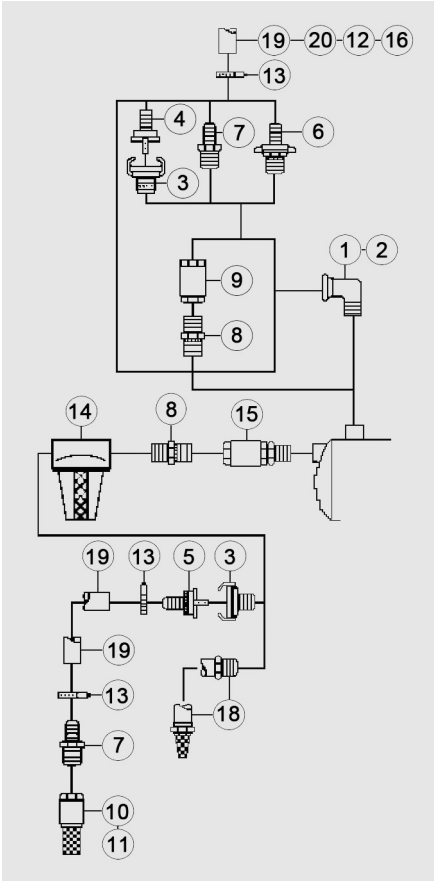
Garden spraying from wells or reservoirs



Water supply from rain water collection tank



Accessories



Description	Size	Part no.
① Connection bend, galvanized, 90°	BSP 1"F/M	2111405
② Connection bend, galvanized, 90°	BSP 1" F/M	2113603
③ Fixed coupling	R 3/4" M BSP 1"M	2005213 2005313
④ Hose coupling	1/2" 3/4" 1"	2003113 2003213 2003313
⑤ Half suction coupling, brass	3/4" 1"	2007217 2007227
⑥ STA hose coupling	BSP 1"Mx 1"spig.	2001313
⑦ Hose spigot	R3/4"Mx3/4"spig. BSP1"Mx1"spig. BSP1"Mx3/4"spig. BSP1"Mx1/2"spig.	2007316 2007326 2007350 2007355
⑧ Double nipple	BSP 1"M BSP 1"MxR3/4"M	2009022 2009032
⑨ Check valve	R 3/4"F BSP 1"F	2009024 2009026
⑩ Foot valve with strainer	R 3/4" F BSP 1" F	2008145 2008146
⑪ Foot valve with strainer for driven well	Outer dia. Ø 30 mm, R 3/4" F	2008090
⑫ Coupling spigot	3/4" 1"	2007580 2007585

Description	Size	Part no.
⑬ Hose clamps	1/2" 3/4"–1"	2301522 2302330
⑭ Prefilter, Connection BSP 1"	Length 5" Length 10"	8002036 8002031
○ Cartridge for filter	BSP1"/ 5" long BSP1"/ 10" long	8002032 8002033
○ Sealing set for prefilter	5" and 10"	8002012
⑮ Check valve with extension	BSP 1"M/F	2009028
⑯ Drain cock with hose connection		2008010
⑰ Fault-current circuit breaker 2-pin, Fi 16/0.03 A		1561160
⑱ Suctionkit, complete with connector BSP 1"M, reinforced hose, dia. 23 mm, suction strainer and foot valve		
– foot valve and connector, brass	4 m long 7 m long	8522010 8522015
– foot valve and connector, plastic	4 m long 7 m long	8522019 8522021
⑲ Reinforced hose	3/4"Ø 19 mm 1"Ø 25 mm	2632019 2632025
⑳ PVC hose	3/4"Ø 19 mm 1"Ø 25 mm	2620700 2621000
○ Electronic pressure control HPS 2 with dry run protection		1468560

We reserve the right to alter our specifications without notice!

3.0/0111 (ST) 001 jes / No. 0036011EN