

»» THE SHARP SOLUTION

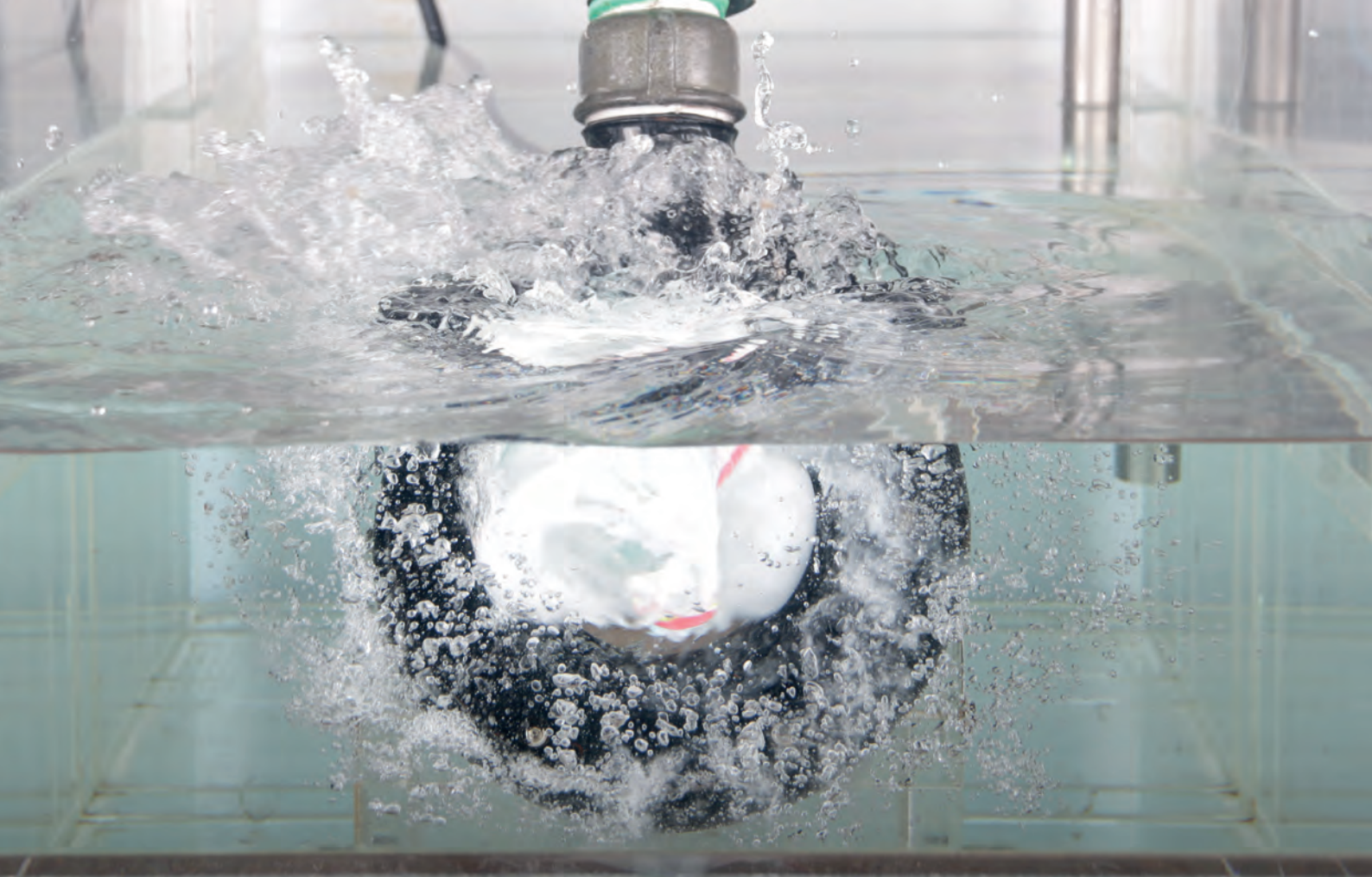
Innovative submersible pumps with cutter system

» Barracuda GRP series

60 Hz



HOMA
P U M P T E C H N O L O G Y

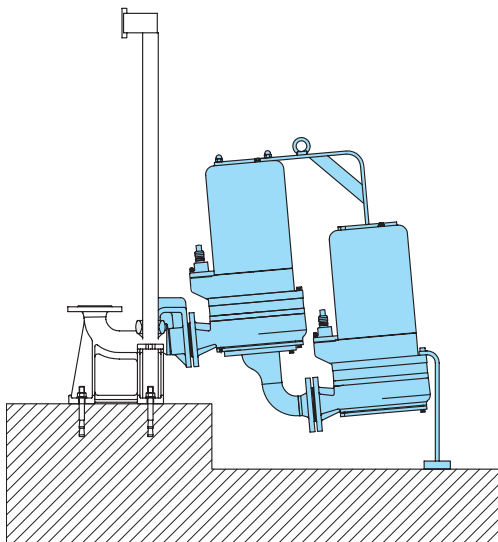


The GRP-cutter system even makes short work with diapers.

» THESE REALLY PERFORM

HOMA submersible pumps with their cutter system are among the technical leaders on the market. Our series of Barracuda GRP are setting trends worldwide, convincing not only with their reliability, but with their performance as well. These robust cutting systems prevent clogging or blocking of the pumps by efficiently cutting contained solids before the pumped medium is carried off.

More than sixty years of expertise in pump construction, innovative technology and high-quality materials guarantee the famous HOMA quality "Made in Germany".



Special solutions by HOMA:
GRP pumps in tandem
configuration

» BARRACUDA GRP

Persuasively robust:

Where many other systems give up, HOMA submersible pumps with cutter system in the GRP series have proven themselves even under extreme operating conditions. The robust construction of all components - in solid stainless steel from the motor, to the hydraulics to the hardened cutting tools - sets world standards for operational reliability

Reliable in use:

Whether for pressure drainage in topographically difficult areas, wastewater disposal through small cross-section pipes, or when great lift heights have to be reached at a relatively low flow rate: the power packs of the Barracuda GRP series cut contained solids in fractions of a second, so that even plastic pipes with cross-sections from 1 1/2" (GRP10-GRP50) or DN50 (GRP

59- GRP118) are sufficient as pipelines. That's how to reduce considerably the cost of materials and laying drainage systems. With a delivery pressure of up to 70 m (7 bar), the most powerful models in the series can also handle big wastewater disposal projects.

PERFORMANCE THAT PERSUADES

- » excellent cutting characteristics
- » high efficiency
- » robust construction, high-quality materials
- » also available in explosion-proofed design
- » starting from the GRP59, also available with motor cooling jacket for drywell installation



Hardened stainless-steel cutters (HRC 55) in the GRP series



Packaged submersible pump stations with sythetic sump (Type SKB) and GRP pumps



Range of coupling adapters for exchanging with other manufacturers

TECHNICAL DATA GRP10-50

Pump type	Motor power P1 (kW)	Motor power P2 (kW)	Voltage (V)	Hmax (m)	Qmax (m³/h)	Discharge connector	Weight (kg)
GRP10/1 (FM)	1,1	0,8	1PH-230	11,5	14,9	G2	33
GRP10/3 (FM)	0,8	0,6	3PH-230/380/400/460	11,0	16,2	G2	35
GRP16/1 (FM)	1,7	1,2	1PH-230	25,4	19,6	G2	34
GRP16/3 (FM)	1,8	1,4	3PH-230/380/400/460	25,1	20,3	G2	35
GRP21/1 (FM)	1,5	1,2	1PH-230	30,5	7,1	G2	35
GRP21/3 (FM)	1,5	1,2	3PH-230/380/400/460	30,5	7,1	G2	35
GRP24/3 (I/C)(FM)	2,8	2,3	3PH-230/380/400/460	37,0	11,6	G2	44
GRP26/3 (I/C)(FM)	2,5	1,9	3PH-230/380/400/460	33,6	20,9	G2	44
GRP28/3 (I/C)(FM)	3,1	2,5	3PH-230/380/400/460	45,0	8,4	G2	50
GRP34/3 (I/C)(FM)	3,7	3,1	3PH-230/380/400/460	32,0	36,0	G2	50
GRP37/3 (I/C)(FM)	4,1	3,4	3PH-230/380/400/460	50,0	11,6	G2	50
GRP41/3 (I/C)(FM)	3,7	3,1	3PH-230/380/400/460	43,8	21,0	G2	50
GRP44/3 (I/C)(FM)	4,8	4,1	3PH-230/380/400/460	47,5	20,0	G2	61
GRP50/3 (I/C)	6,0	5,1	3PH-230/380/400/460	55,0	20,4	G2	62

Version FM: explosion proof motor | Version I/C: with seal probe in oil chamber

TECHNICAL DATA GRP59-118

Pump type	Motor P1 (kW)	Motor P2 (kW)	Voltage (V)	Hmax (m)	Qmax (m³/h)	Discharge connector	Weight (kg)
GRP59/3/C (FM)	7,6	6,6	3PH-230/380/400/460	46,3	32,8	DN50	93
GRP59 ET/3 (FM)	7,3	6,6	3PH-230/380/400/460	46,4	32,2	DN50	136
GRP79/3/C (FM)	7,5	6,6	3PH-230/380/400/460	55,7	31,8	DN50	109
GRP79 ET/3 (FM)	7,3	6,6	3PH-230/380/400/460	55,7	31,8	DN50	138
GRP118/3/C (FM)	11,1	9,8	3PH-230/380/400/460	71,9	32,9	DN50	111
GRP118 ET/3 (FM)	10,6	9,8	3PH-230/380/400/460	71,9	32,9	DN50	145

Version ET: EffTec-Motor with Permacool motor jacket for wet and dry well installation.
Version I/C: with seal probe in oil chamber. | Version FM: explosion proof motor

MATERIALS

Pump housing, motor housing, impeller	Cast iron EN-GJL-250
Motor shaft, screws	Stainless steel
Cutter system	Hardened stainless steel HRC55
Mechanical seals	Silicon-carbide
Seal kit	Perbonane

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