

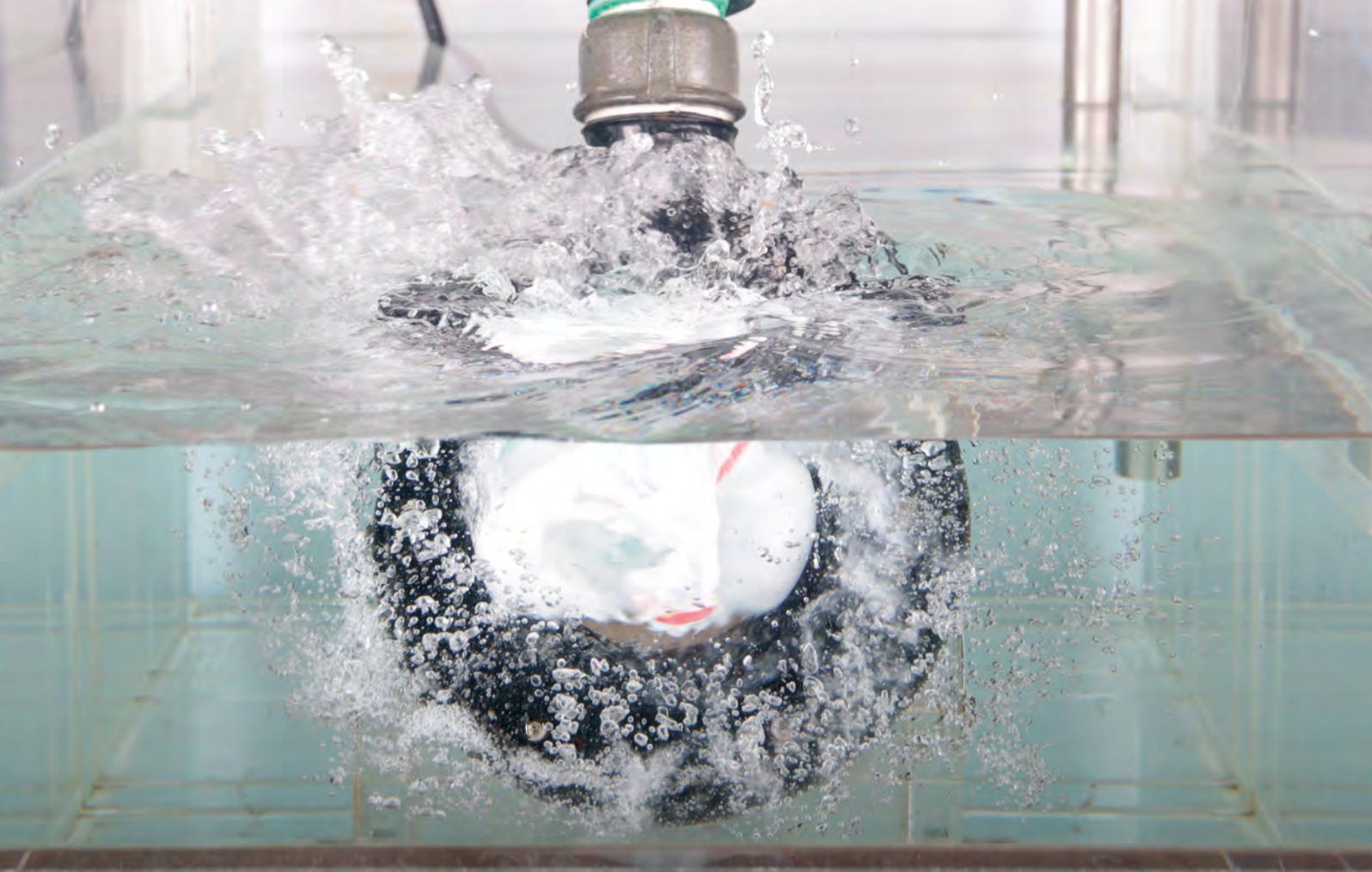
# »» THE SHARP SOLUTION

Innovative submersible pumps with cutter system

» Barracuda GRP series



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

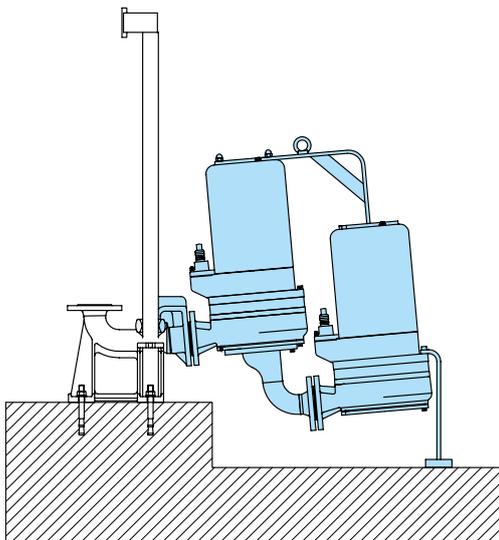


The GRP-cutter system even makes short work with diapers.

## » 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" (GRP 16 - GRP 50) or DN50

(GRP 56 - GRP 111) 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 with the GRP 56, 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

# » CONVINCING PERFORMANCE

## TECHNICAL DATA GRP 16-50

Curve No.	Motor P1 (kW)	Motor P2 (kW)	Hmax (m)	Qmax (m <sup>3</sup> /h)	Nominal current (A)	Voltage (V)	Weight (kg)
GRP 16 (B)W(A)(Ex)	1,5	1,1	20,4	18,7	7,5	230 / 1PH	27
GRP 20 W (A) (Ex)	2,1	1,5	30,5	11,7	9,5	230 / 1PH	33
GRP 26 W (A) (Ex)	2,5	1,8	32,1	22,0	11,5	230 / 1PH	33
GRP 16 (B) D (A) (Ex)	1,3	0,9	20,8	19,8	2,5	400 / 3PH	27
GRP 20 D (A) (Ex)	2,1	1,6	31,0	11,7	3,5	400 / 3PH	33
GRP 26 D (A) (Ex)	2,5	1,9	33,0	21,2	4,4	400 / 3PH	33
GRP 36 D (A) (Ex)	3,7	3,1	35,0	27,7	6,4	400 / 3PH	44
GRP 36 HD (A) (Ex)	3,7	3,1	38,3	23,9	6,4	400 / 3PH	44
GRP 44 D (Ex)	4,4	3,7	46,7	21,3	7,5	400 / 3PH	56
GRP 50 D (Ex)	5,2	4,4	52,0	21,3	8,7	400 / 3PH	56

Model A: with automatic level control HOMANivomatik. Model Ex: explosion proof. Model GRP 16 B: with base stand

## TECHNICAL DATA GRP 56-111

Curve No.	Motor P1 (kW)	Motor P2 (kW)	Hmax (m)	Qmax (m <sup>3</sup> /h)	Nominal current (A)	Voltage (V)	Weight (kg)
GRP 56 (ET)D(Ex)	7,5	6,4	42,0	31,0	13,0	400 / 3PH	104
GRP 76 (ET)D(Ex)	7,5	6,4	52,0	31,0	13,0	400 / 3PH	104
GRP 111 (ET)D(Ex)	11,0	9,5	69,0	31,0	18,8	400 / 3PH	107

Model ET: EffTec-Motor with PermaCool system. Model Ex: explosion proof

## MATERIALS

Pump housing, motor housing, impeller	Cast iron EN-GJL-250
Motorwelle, Schrauben	Stainless steel
Cutter system	Stainless steel 1.4122 55HRC
Mechanical seals	Silicon-carbide
Seal kit	Perbonane

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