

# APS

## High head impeller



All product images are indicative only

### General characteristics

High head impeller	
motor power	0,9 kW
poles	2
discharge	GAS 1½"-DN32 horizontal
free passage	7 mm
max flow rate	5.2 l/s
max head	20.3 m

### Electromechanical assembly

Electromechanical assembly in GJL-250 cast iron, for submerged operation. Seal set comprising 1 (one) silicon carbide mechanical seal and 1 (one) lip seal. Ecological dry motor. Pump body in single casting with motor casing.

### Applications

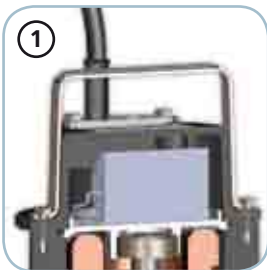
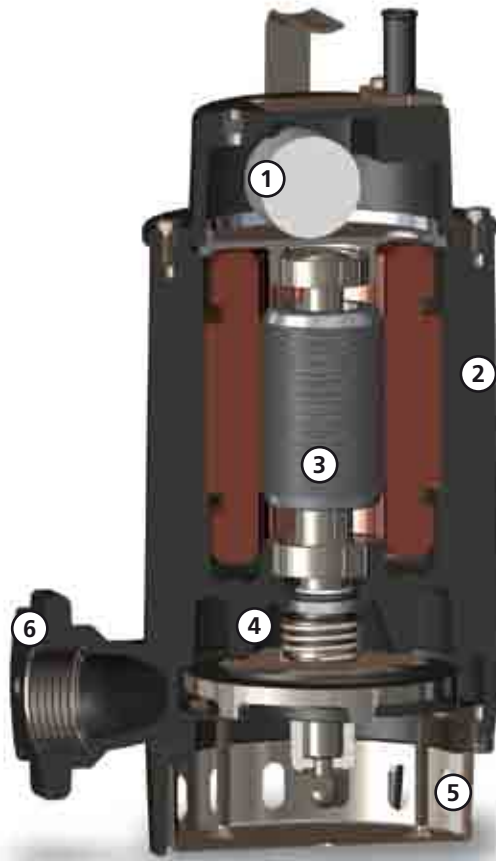
Used for clear wastewater, rainwater and seepage containing small amounts of sand. The considerable manometric head makes these units suitable for irrigation and the fish processing sector.

### Construction materials

Case	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL-250
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - NBR
Shaft	Stainless steel - AISI 420
Paint type	Ecological bicomponent epoxy (medium thickness 80 µm)
Set of standard mechanical seals	One silicon carbide mechanical seal (SiC) and one lip seal

### Operating limits

Maximum operating temperature	40 °C
PH of treated fluid	6 ÷ 14
Viscosity of treated fluid	1 mm <sup>2</sup> /s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm <sup>3</sup>
Maximum acoustic pressure	70 dB
max starts per hour	30



1

**Capacitor/relay**

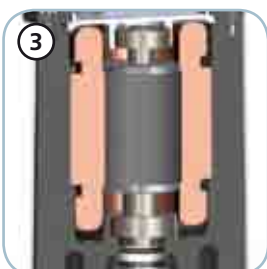
Dry motor with thermal protections. Single-phase models with internal capacitor. Three-phase models with motor protection relay.



2

**Structure**

Constructed in GJL-250 cast iron.



3

**Motor**

Ecological dry motor with thermal protections.



4

**Mechanical seals**

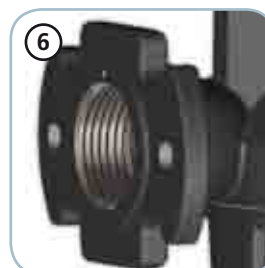
One mechanical seal in silicon carbide (SiC) and one lip seal.



5

**Intake strainer**

Intake strainer in stainless steel.



6

**Discharge**

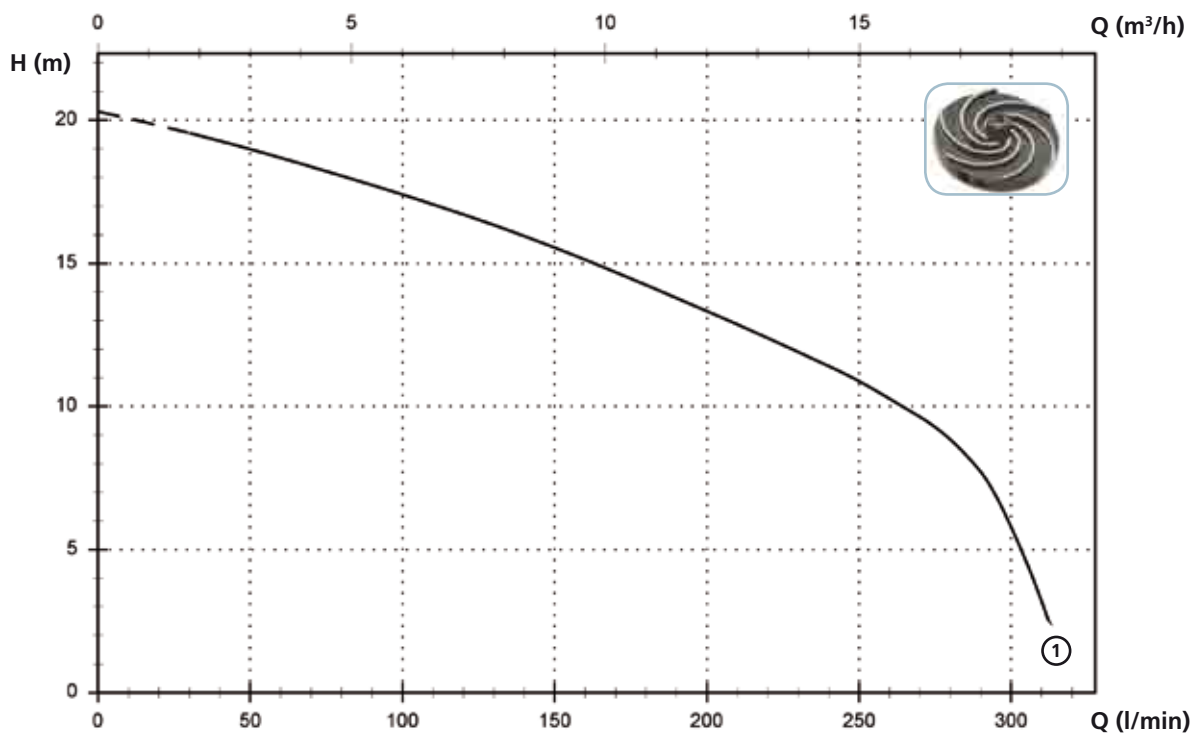
Threaded, flanged discharge for the maximum ease of installation.

# APS

## Models with horizontal GAS 1½" threaded - DN32 PN6 flanged discharge - 2 poles

### Performances

	l/s	0	1	2	3	4	5
	l/min	0	60	120	180	240	300
	m <sup>3</sup> /h	0	3.6	7.2	10.8	14.4	18.0
① APS 100/2/G40H A0CM(T)/50		20.3	18.7	16.7	14.2	11.4	5.8



### Technical data

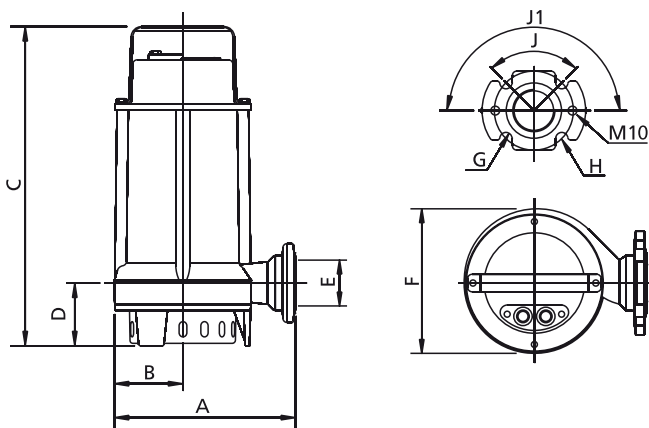
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Free passage
① APS 100/2/G40H A0CM/50	230	1	-	0.9	6.6	2900	Dir	G 1½"- DN32 PN6	7 mm
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Free passage
① APS 100/2/G40H A0CT/50	400	3	-	0.9	2.3	2900	Dir	G 1½"- DN32 PN6	7 mm

**Versions available**

(Key to versions on page 16)

	Electrical variants										Cooling				Mechanical seals				
	N A E	T	T C D	T C D T	T C D G T	T C G	T C S T	T C S G T	T S	T R	T R G	N	CC CCE	FT	C G F T	2SIC	SICM	SICAL	2SICAL
APS 100/2/G40H A0CM/50		●				●						●					●		
APS 100/2/G40H A0CT/50									●	●	●						●		

**Overall dimensions and weights**



	A	B	C	D	E	F	G	H	J	J1	kg
APS 100/2/G40H A0CM(T)/50	210	80	370	80	G 1½"-DN32	165	14	90	90°	180°	20

Dimensions in mm

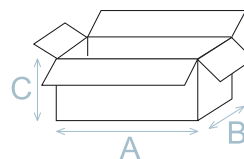
All weights and dimensions are indicative only

**Packaging dimension**

	A	B	C
APS 100/2/G40H A0CM(T)/50	385	225	245

Dimension in mm

All weights and dimensions are indicative only



**Installations available**

