

# APF



## High head impeller



All product images are indicative only

### General characteristics

High head impeller	
motor power	1,1 ÷ 1,5 kW
poles	2
discharge	GAS 1½" - DN32 Horizontal
free passage	max 7 mm
max flow rate	7.6 l/s
max head	22.6 m

### Electromechanical assembly

Electromechanical assembly in GJL-250 cast iron, for submerged operation. Seal set comprising 2 (two) silicon carbide mechanical seals assembled opposing in inspectable oil sump. Ecological dry motor. Series with explosion-proof ATEX certification.

### Applications

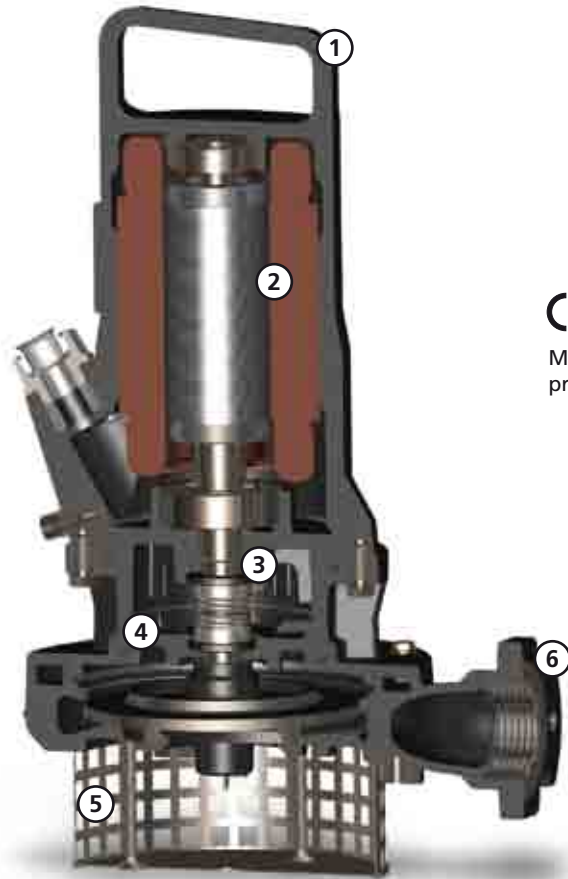
Designed specifically for use where there are traces of flammable liquids or in potentially explosive atmospheres, the APF can be used with liquids containing traces of flammable substances, and in gassy environments.

### 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 - VITON
Shaft	Stainless steel - AISI 420
Paint type	Ecological bicomponent epoxy (medium thickness 150 µm)
Set of standard mechanical seals	Two silicon carbide mechanical seals (2SiC)

### 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



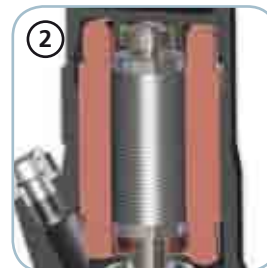
CE 0496  II 2GD Ex db k c IIB T4 Ex tb IIIC T135°C IP68

Models with ATEX certification, suitable for installation in the presence of potentially explosive gases, powders and liquids



**Handle/Cable gland**

Cast iron lifting and carrying handle. The GAS thread ring-nut can be removed to fix a rigid or flexible duct to the cable gland to protect the power supply cable.



**Motor**

Ecological dry motor with thermal protections.



**Mechanical seals**

Two silicon carbide (SiC) mechanical seals in oil sump.



**Oil sump**

Large oil sump to guarantee longer mechanical seal lifetime.



**Intake strainer**

Intake strainer in stainless steel.



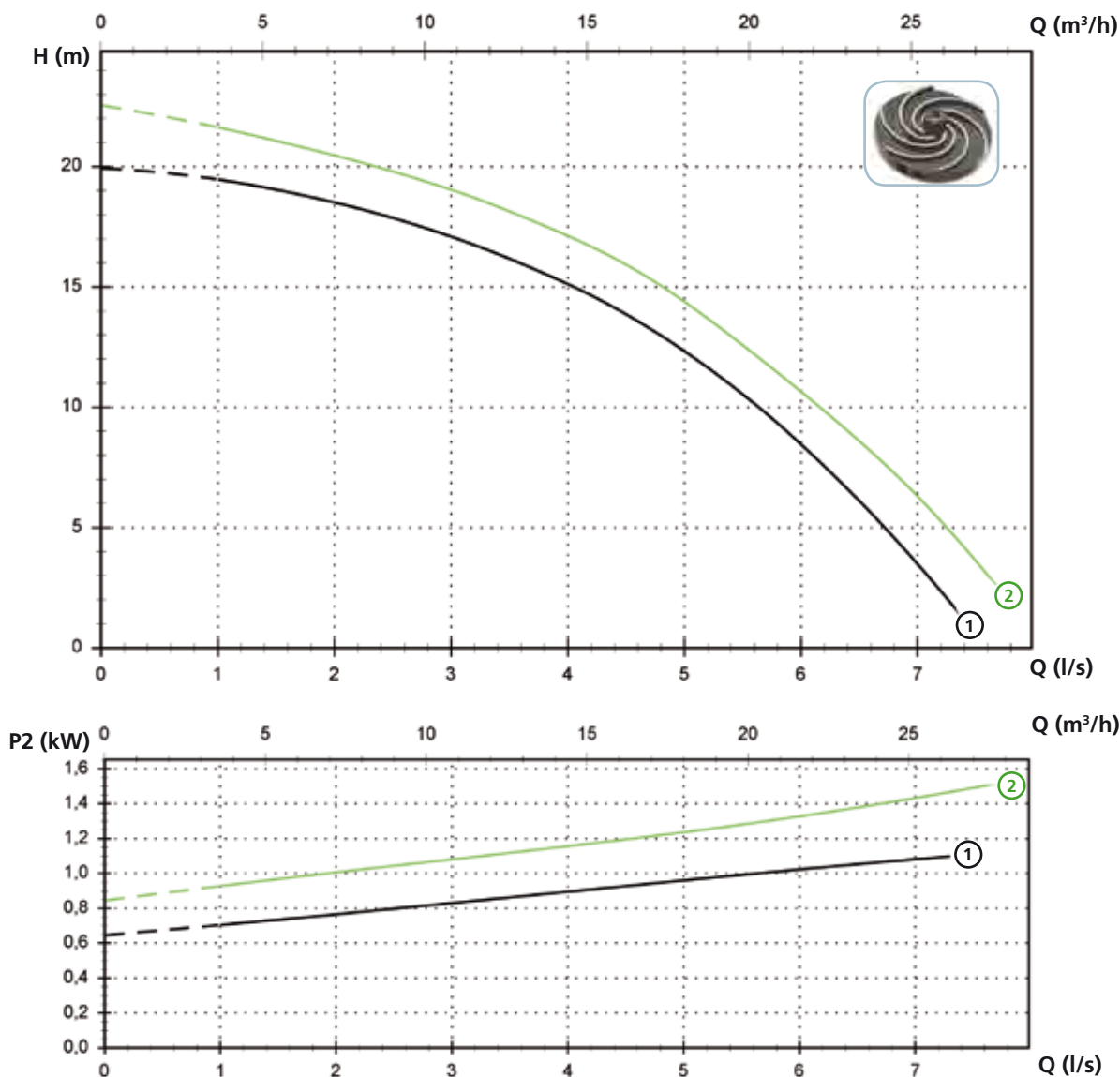
**Discharge**

Threaded, flanged discharge for the maximum ease of installation.

# APF

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

### Performances



### Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Free passage
① APF 150/2/G40H A1CM/50	230	1	1.6	1.1	7.2	2900	Dir	G 1½"-DN32 PN6	7 mm
② APF 200/2/G40H A1CM/50	230	1	2.2	1.5	9.8	2900	Dir	G 1½"-DN32 PN6	7 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Free passage
① APF 150/2/G40H A1CT/50	400	3	1.7	1.1	2.9	2900	Dir	G 1½"-DN32 PN6	7 mm
② APF 200/2/G40H A1CT/50	400	3	2.1	1.5	3.7	2900	Dir	G 1½"-DN32 PN6	7 mm

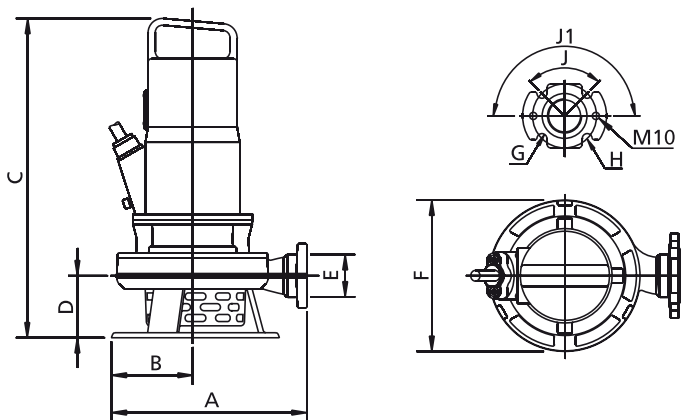
Versions available

(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
APF 150/2/G40H A1CM/50			●								●				●			
APF 200/2/G40H A1CM/50			●								●				●			
APF 150/2/G40H A1CT/50		●									●				●			
APF 200/2/G40H A1CT/50		●									●				●			

NOTE FOR SINGLE PHASE PUMPS: thermal protections into the winding have to be connected to the electrical panel.  
Capacitor supplied but not connected to the pump cable.  
The use of an electrical panel as circuit breaker housing is mandatory.  
For installation please see use and maintenance instructions booklet.

Overall dimensions and weights



	A	B	C	D	E	F	G	H	J	J1	kg
APF 150/2/G40H A1CM(T)/50	265	105	440	80	G 1½"	215	14	90	90°	180°	32
APF 200/2/G40H A1CM(T)/50	265	105	440	80	G 1½"	215	14	90	90°	180°	34

Dimensions in mm

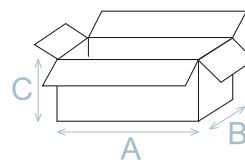
All weights and dimensions are indicative only

Packaging dimension

	A	B	C
APF 150/2/G40H A1CM(T)/50	580	310	310
APF 200/2/G40H A1CM(T)/50	580	310	310

Dimension in mm

All weights and dimensions are indicative only



Installations available

