

**FAMCO**  
هایپر صنعت



**water passion**

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)، روبروی پالایشگاه نفت پارس، پلاک ۱۲

Fax: ۰۲۱ - ۴۴۹۹۴۶۴۲ Tel: ۰۲۱ - ۴۸۰۰۰۰۴۹

E-mail: [info@famcocorp.com](mailto:info@famcocorp.com)

# 1959

## WHO WE ARE

WE WANT TO CONTINUE THAT WHICH WAS STARTED MANY YEARS AGO BY VINICIO METTIFOGO, FOUNDER AND PIONEER.

Calpeda is a family owned company with an history of 61 years.

Today, we are a reality that has evolved over the years, always looking to the future with a spirit that has brought us to being a respected reference point in the great world of water.

Our history has taken our tradition and strength to you, acknowledged for our professionalism, quality, reliability and service.



2020

## CALPEDA TODAY

Employees: 250  
Offices: Montorso V. (Vicenza) Italy  
Main factory: 30,000 sq. metres (covered)  
Types of pumps: more than 2,000  
Power outputs: from 0.5 kW to 200 kW



PATENTED



**Construction**

Single-impeller submersible pumps in chrome-nickel stainless steel, with vertical delivery port.  
**GXC:** with two-passage impeller.  
**GXV:** with free-flow (vortex) impeller.  
 Double shaft seal with interposed oil chamber.

**Applications**

For clean and dirty water, also containing solids up to 35 mm grain size.  
 The GXV free-flow impeller construction is particularly suitable for liquids with a high solid content or with filamentous particles. This construction (with smooth surfaces in rolled-stainless steel and easy access for cleaning) is also suitable for certain uses in the food industry.

**Operating conditions**

Liquid temperature up to 35 °C.  
 Minimum immersion depth: 250 mm.  
 Maximum immersion depth: 5 m.  
 Continuous duty (with submerged motor).

**Motor**

2-pole induction motor, 50 Hz (n ≈ 2900 rpm).  
**GXC, GXV:** three-phase 230 V ± 10%;  
 three-phase 400 V ± 10%;  
 Cable: H07RN-F, 4G1 mm<sup>2</sup>, length 10 m, without plug.  
**GXCM, GXVM:** single-phase 230 V ± 10%,  
 with float switch and thermal protector.  
 Incorporated capacitor.  
 Cable: H07RN-F, 3G1 mm<sup>2</sup>, length 10 m, with plug CEI-UNEL 47166.  
 Insulation class F.  
 Protection IP X8 (for continuous immersion)  
 Triple impregnation humidity-proof dry winding.  
 Constructed in accordance with: EN 60034-1;  
 EN 60335-1, EN 60335-2-41.

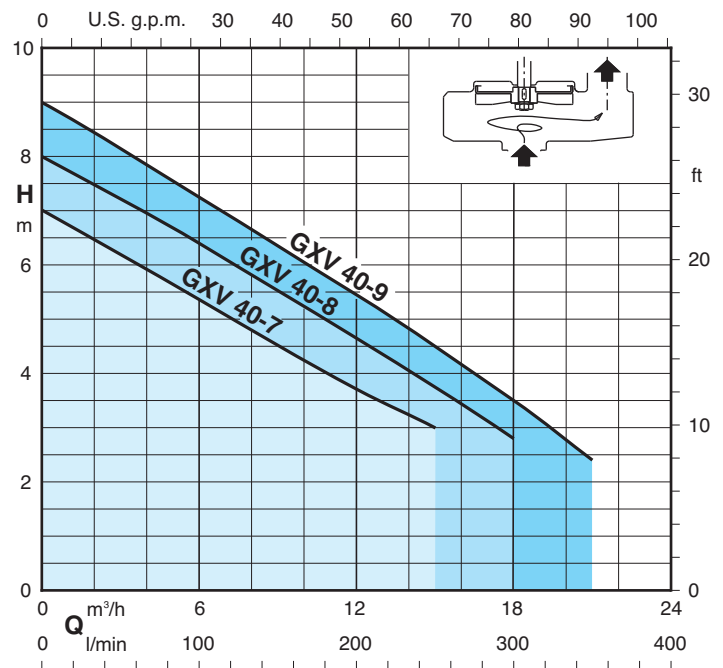
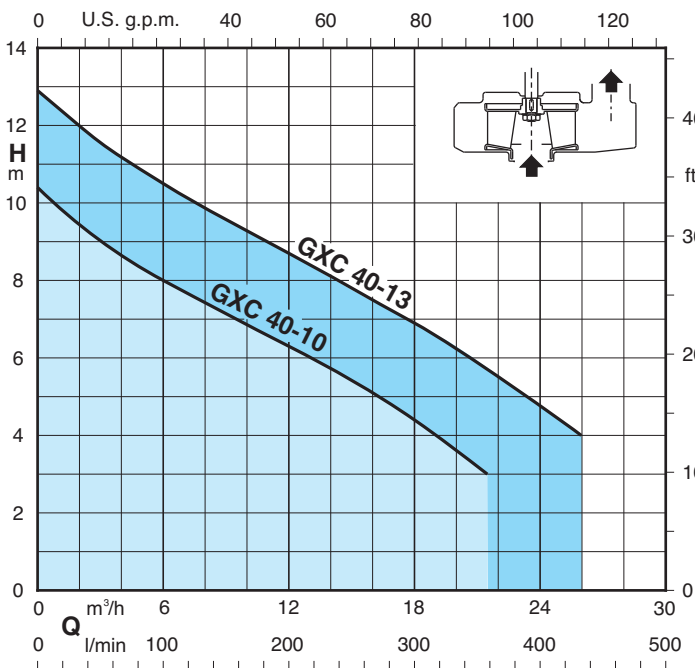
**Materials**

Component	Material
Pump casing Casing cover Impeller Motor jacket Jacket cover	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Handle	Polypropylene (with frame in AISI 304)
Shaft	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Mechanical seal: upper lower	Ceramic alumina/Carbon/NBR
Seal lubrication oil	Oil for food/pharmaceutical machinery

**Other features on request**

- Other voltages. - Frequency 60 Hz (as per 60 Hz data sheet).
- Other mechanical seal. - Cable length 20 m.
- Motor suitable for operation with frequency converter.
- Three-phase pumps with incorporated float switch.

**Characteristic curves n ≈ 2900 rpm**



72.918-N

### Performance $n \approx 2900$ rpm

3~	230V 400V		1~	230V Capacitor			P <sub>1</sub>			P <sub>2</sub>			Q										
	A	A		A	$\mu$ f	Vc	kW	kW	HP	m <sup>3</sup> /h	l/min	0		3	6	9	12	15	18	21	24	26	
<b>GXC 40-10</b>	2,8	1,6	<b>GXCM 40-10</b>	4,6	16	450	1	0,55	0,75	H <sub>m</sub>	10,4	9	8	7,1	6,3	5,4	4,4	3,2	-	-			
<b>GXC 40-13</b>	4	2,3	<b>GXCM 40-13</b>	6,6	25	450	1,45	0,9	1,2		12,9	11,6	10,5	9,5	8,7	7,8	6,9	5,9	4,7	4			

3~	230V 400V		1~	230V Capacitor			P <sub>1</sub>			P <sub>2</sub>			Q										
	A	A		A	$\mu$ f	Vc	kW	kW	HP	m <sup>3</sup> /h	l/min	0		3	6	9	12	15	18	21	24	26	
<b>GXV 40-7</b>	2,8	1,6	<b>GXVM 40-7</b>	4,6	16	450	1	0,55	0,75	H <sub>m</sub>	7	6,2	5,4	4,6	3,7	3	-	-	-	-			
<b>GXV 40-8</b>	3,8	2,2	<b>GXVM 40-8</b>	5,4	25	450	1,1	0,75	1		8	7,2	6,4	5,5	4,6	3,7	2,8	-	-	-			
<b>GXV 40-9</b>	4	2,3	<b>GXVM 40-9</b>	6	25	450	1,3	0,9	1,2		9	8,1	7,2	6,3	5,4	4,5	3,5	2,4	-	-			

P<sub>1</sub> Max. power input.

P<sub>2</sub> Rated motor power output.

Density  $\rho = 1000$  kg/m<sup>3</sup>.

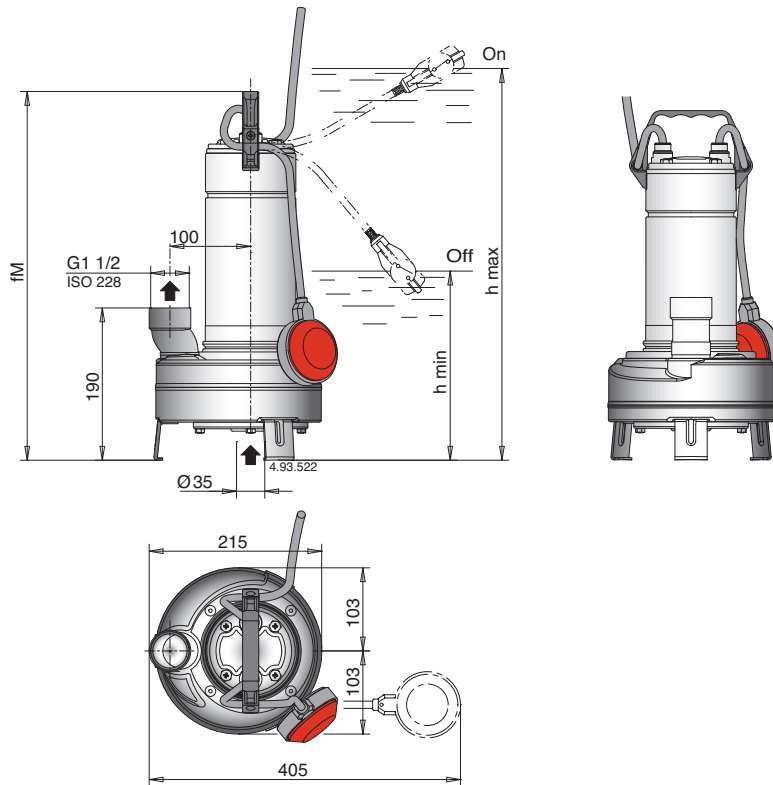
Kinematic viscosity  $\nu = \max 20$  mm<sup>2</sup>/sec.

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### Dimensions and weights



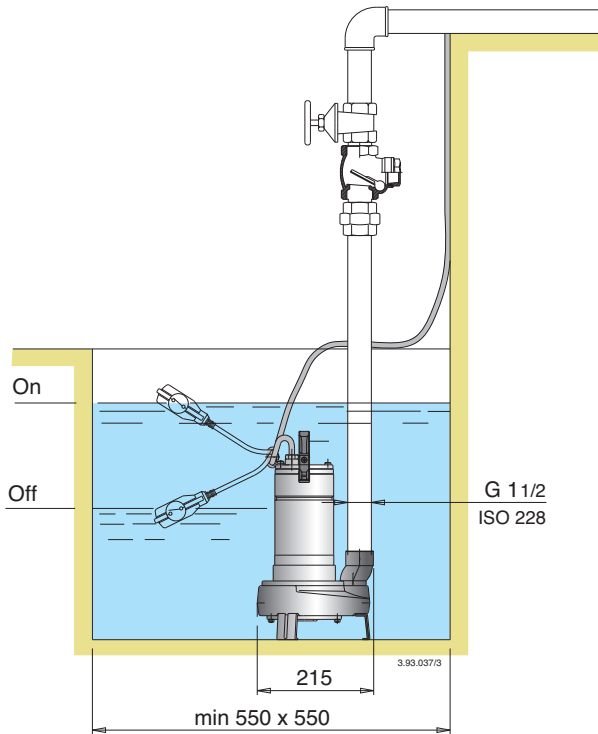
TYPE	mm			kg <sup>(1)</sup>	
	fM	h max	h min	GXV	GXVM
<b>GXV(M) 40-7</b>	433	508	248	10,1	11,7
<b>GXV(M) 40-8</b>	458	533	273	11,7	13,2
<b>GXV(M) 40-9</b>	458	533	273	11,7	13,2

TYPE	mm			kg <sup>(1)</sup>	
	fM	h max	h min	GXC	GXCM
<b>GXC(M) 40-10</b>	433	508	248	10,1	11,7
<b>GXC(M) 40-13</b>	458	533	273	11,7	13,2

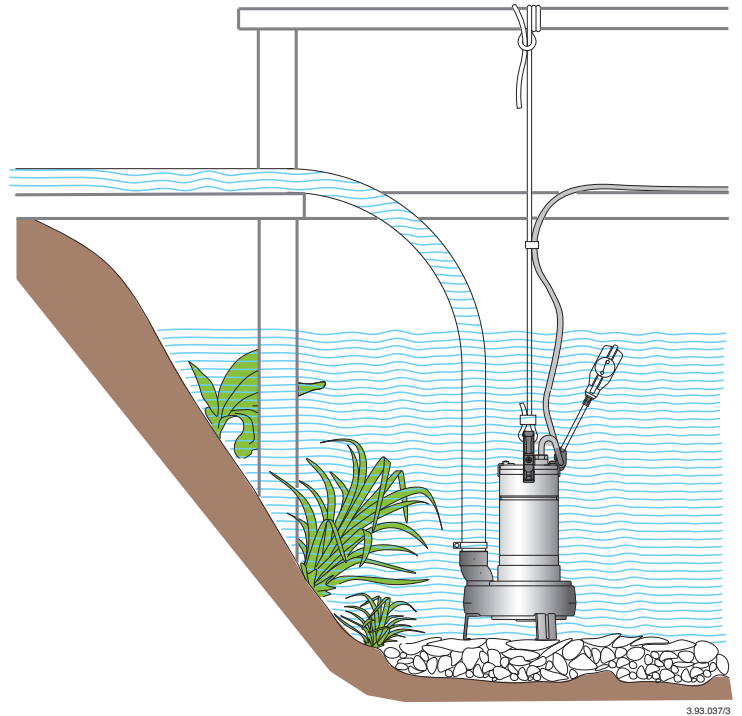
1) With cable length: 10 m

**Installation examples**

**Stationary installation**



**Transportable installation**

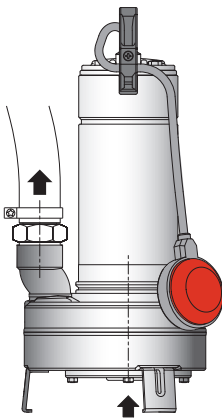


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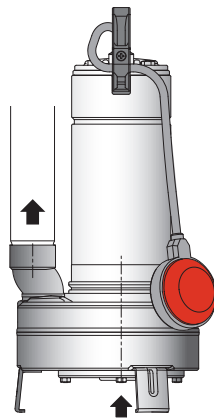
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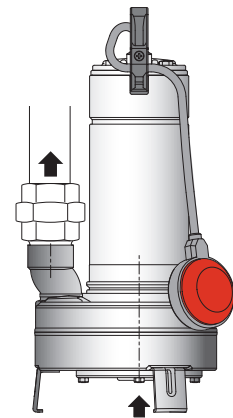
**Connection examples**



Pump with hositail seat and clamp  
(locally available)



Pump with pipe screwed into the delivery port



Pump with pipe and union  
(locally available)

**Features**

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Cable length 10 m, pump single-phase with plug

Handle in polypropylene, with frame in stainless steel.

Easy inspection of the capacitor area.

Easy adjustment of the float switch: to allow the adjustment of start/stop pump levels.

Ring against accidental extraction of the cable.

The double shaft seal with oil chamber separates the motor from the water and provides further protection against accidental operation when dry.

G 1 1/2 vertical, upward delivery port for installation in small pits, without the need for an elbow on the pump.

Totally in stainless steel  
All parts in contact with the pumped liquid both internal and external are in stainless steel AISI 304

Chamber with food/pharmaceutical machinery oil.

GXC

GXV

**GXC** The two-passage impeller construction is particularly suitable for liquids containing solids up to 35 mm grain size.

Shaft in chrome-nickel stainless steel.

**GXV** The free-flow impeller (vortex) construction is particularly suitable for liquids with a high solid content up to 35 mm grain size or with filamentous particles.

