

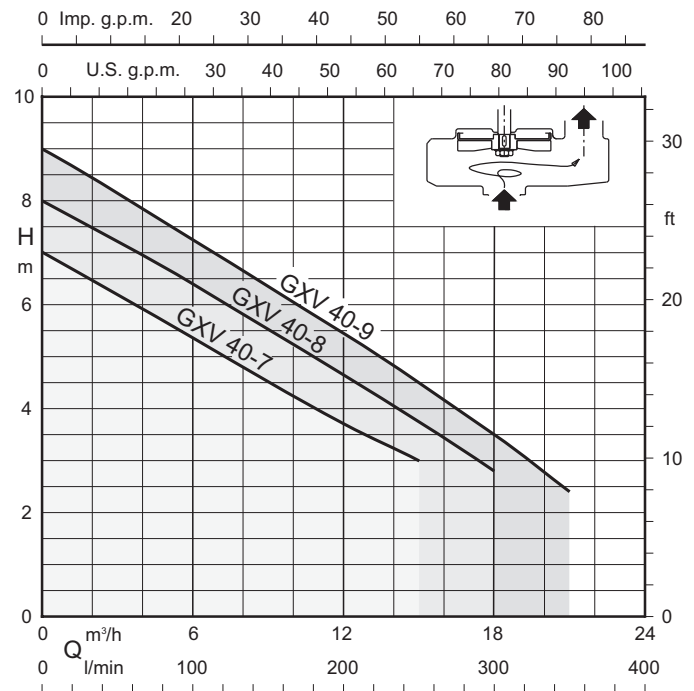
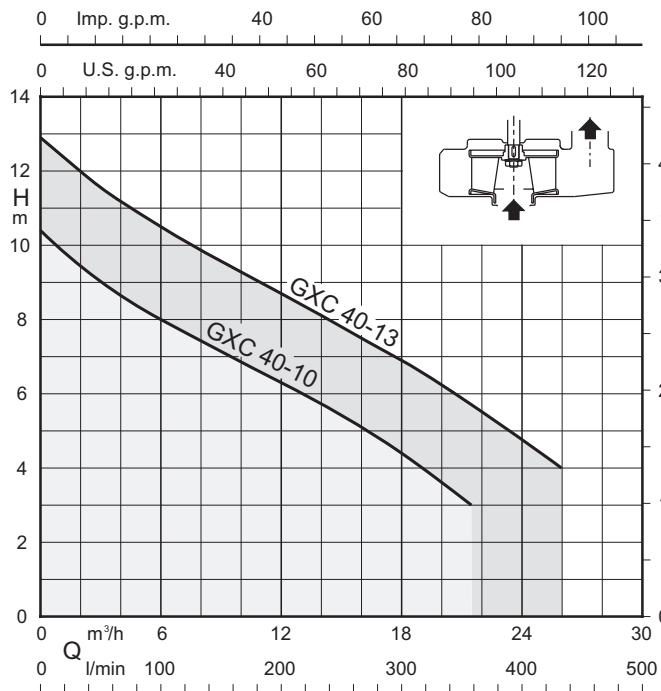
GX 40



(patented system)



Coverage chart n ≈ 2900 rpm



Stainless steel submersible pumps
sewage and drainage

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

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.

Maximum immersion depth: 5 m.

Maximum immersion depth: 5 m.

Continuous duty (with submerged motor).

Motor

2-pole induction motor, 50 Hz ($n \approx 2900$ rpm).

GXC, GXV: three-phase 230 V \pm 10%;

400V \pm 10%;

H07RN-F cable, 3G1 mm², length 10 m, with CEI-UNEL

74166 plug.

GXRM, GXVM: single-phase 230 V \pm 10%,

with float switch and thermal protector.

Incorporated capacitor.

Cable: H07RN-F, 3G1 mm², 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.

Special 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.

Designation

Example: GXCM 40-7

GX = Series

C = Two-passage impeller

V = Free-flow impeller (vortex impeller)

M = Single-phase (without three-phase indication)

40 = Delivery port diameter in mm

7 = Total head in m indoors

Materials

Components	Materials
Pump casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Impeller	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
motor jacket	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Jacket cover	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Casing cover	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Handle	Polypropylene (with frame 1.4301 EN 10088 (AISI 304))
Shaft	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Upper mechanical seal	Ceramic / Carbon / NBR
Lower mechanical seal	Ceramic / Carbon / NBR
Seal lubrication oil	Oil for food/pharmaceutical machinery

Coverage chart n ≈ 2900 rpm

Three-phase

				Q = Flow										
				m³/h	0	3	6	9	12	15	18	21	24	26
Model	400V	P2		l/min		50	100	150	200	250	300	350	400	433
	A	kW	HP	H (m) = Total head										
GXC 40-10	1,6	0,55	0,75	10,4	9	8	7,1	6,3	5,4	4,4	3,2	-	-	
GXC 40-13	2,3	0,9	1,2	12,9	11,6	10,5	9,5	8,7	7,8	6,9	5,9	4,7	4	

Three-phase

				Q = Flow							
				m³/h	0	3	6	9	12	15	18
Model	400V	P2		l/min		50	100	150	200	250	300
	A	kW	HP	H (m) = Total head							
GXV 40-7	1,6	0,55	0,75	7	6,2	5,4	4,6	3,7	3	-	-
GXV 40-8	2,2	0,75	1	8	7,2	6,4	5,5	4,6	3,7	2,8	-
GXV 40-9	2,3	0,9	1,2	9	8,1	7,2	6,3	5,4	4,5	3,5	2,4

Single-phase

							Q = Flow									
							m³/h	0	3	6	9	12	15	18	21	24
Model	230V	Capacitor		P2		P1	l/min		50	100	150	200	250	300	350	400
	A	Vc	uf	kW	HP	kW	H (m) = Total head									
GXCM 40-10	4,6	450	16	0,55	0,75	1	10,4	9	8	7,1	6,3	5,4	4,4	3,2	-	-
GXCM 40-13	6,6	450	25	0,9	1,2	1,45	12,9	11,6	10,5	9,5	8,7	7,8	6,9	5,9	4,7	4

Single-phase

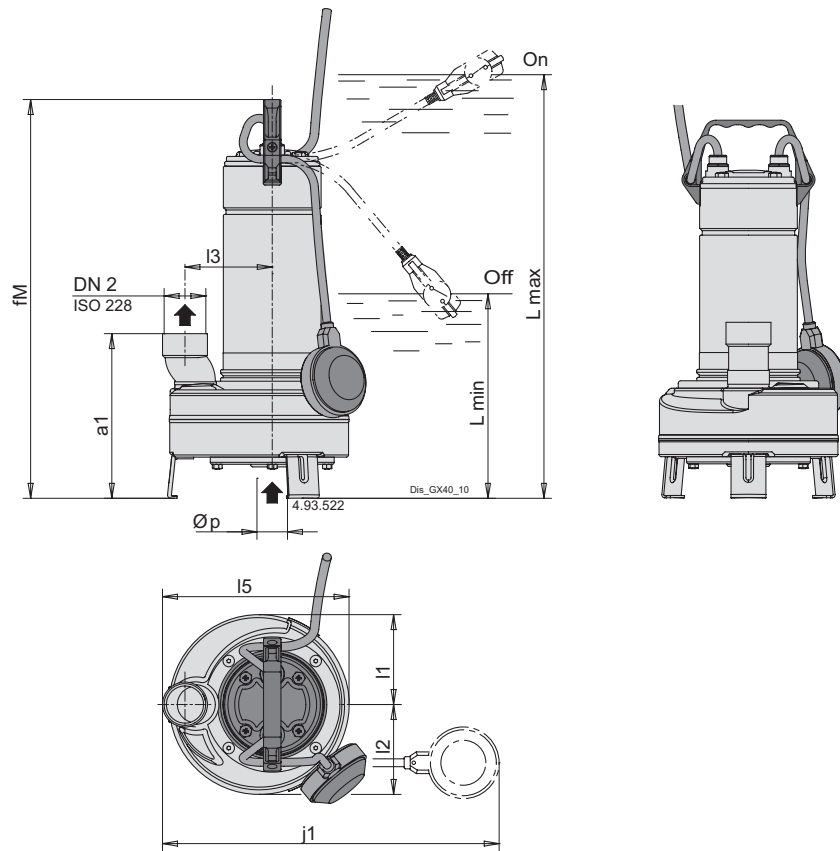
							Q = Flow							
							m³/h	0	3	6	9	12	15	18
Model	230V	Capacitor		P2		P1	l/min		50	100	150	200	250	300
	A	Vc	uf	kW	HP	kW	H (m) = Total head							
GXVM 40-7	4,6	450	16	0,55	0,75	1	7	6,2	5,4	4,6	3,7	3	-	-
GXVM 40-8	5,4	450	25	0,75	1	1,1	8	7,2	6,4	5,5	4,6	3,7	2,8	-
GXVM 40-9	6	450	25	0,9	1,2	1,3	9	8,1	7,2	6,3	5,4	4,5	3,5	2,4

P1: Maximum power input.

P2: Rated motor power output.

Head and power values valid for liquids with density $\rho = 1,0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = \text{max } 20 \text{ mm}^2/\text{sec}$. Total head in m

Dimensions and weights



TYPE	ISO 228	mm							kg
		a1	fM	l1	l2	l5	l5	p	
GXV 40-7	G1 1/2	190	433	103	103	100	215	35	10
GXV 40-8	G1 1/2	190	458	103	103	100	215	35	11
GXV 40-9	G1 1/2	190	458	103	103	100	215	35	11.1

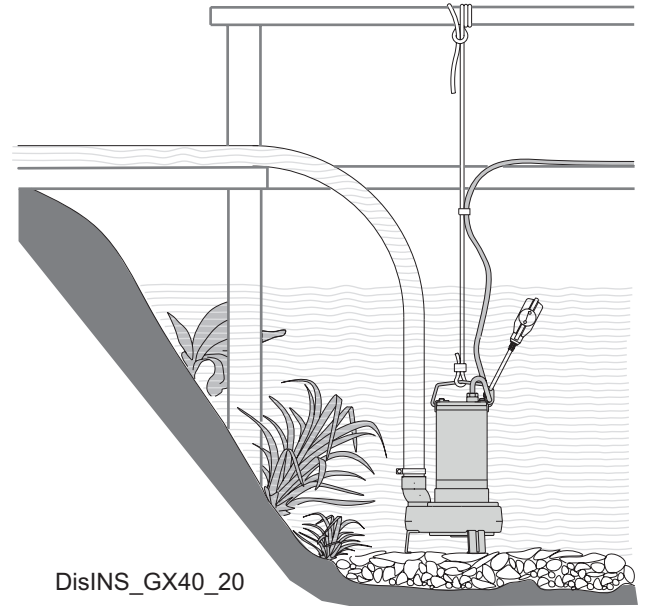
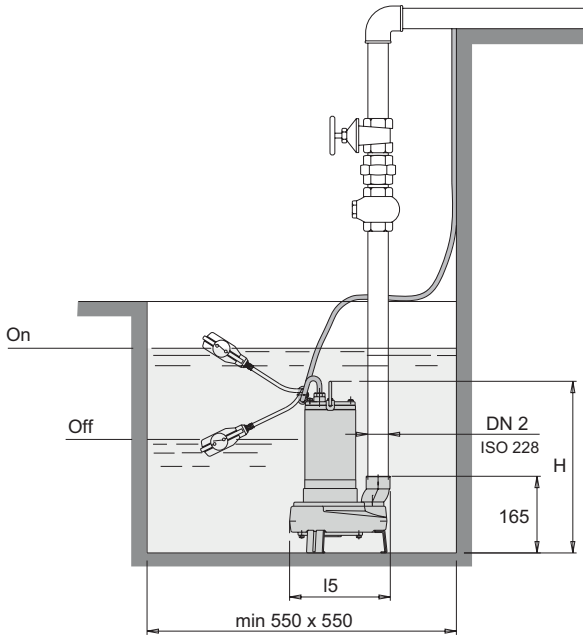
TYPE	ISO 228	mm									kg	
		a1	fM	j1	l1	l2	l5	l5	Lmax	Lmin		p
GXVM 40-7	G1 1/2	190	433	405	103	103	100	215	508	248	35	11.2
GXVM 40-8	G1 1/2	190	458	405	103	103	100	215	533	273	35	13
GXVM 40-9	G1 1/2	190	458	405	103	103	100	215	533	273	35	13

TYPE	ISO 228	mm							kg
		a1	fM	l1	l2	l5	l5	p	
GXC 40-10	G1 1/2	190	433	103	103	100	215	35	11
GXC 40-13	G1 1/2	190	458	103	103	100	215	35	11.3

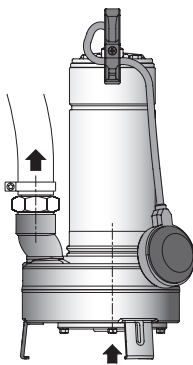
TYPE	ISO 228	mm									kg	
		a1	fM	j1	l1	l2	l5	l5	Lmax	Lmin		p
GXCM 40-10	G1 1/2	190	433	405	103	103	100	215	508	248	35	11.5
GXCM 40-13	G1 1/2	190	458	405	103	103	100	215	533	273	35	13.3

weights With cable length: 10 m

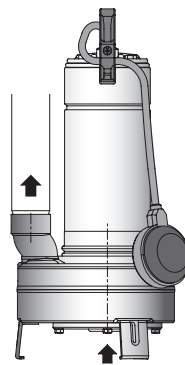
Examples of installations



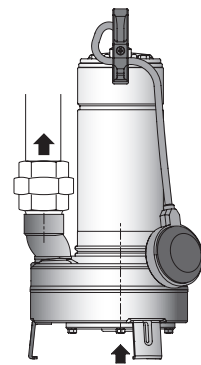
Example of connection



Pump with hosetail seat and clamp (locally available)



Pump with pipe screwed into the delivery port



Pump with pipe and union (locally available)