

VORTEX submersible pumps made of cast iron, particularly robust and reliable, ideal for fixed installations. The proven VORTEX system allows the clearing of dirty water containing suspended solids.



RANGE OF PERFORMANCE

Flow rate up to 500 l/min (30 m³/h)
Head up to 15 m

LIMITS OF USE

Depth up to 10 m
Liquid temperature up to + 40°C
Passage of solid bodies max Ø 35 mm for VXC/35
Passage of solid bodies max Ø 45 mm for VXC/45
For continuous duty: minimum immersion 290 mm from pump base

CONSTRUCTION AND SAFETY STANDARDS

EN 60034-1
IEC 34-1
CEI 2-3



INSTALLATION AND USE

THE PUMPS IN THE **VXC SERIES ARE MADE OF EXCEPTIONALLY ROBUST HEAVY-GAUGE CAST IRON, RESISTANT TO ABRASION AND ARE EQUIPPED WITH A VORTEX TYPE IMPELLER. THEY ARE RECOMMENDED FOR DRAINING WASTE WATER CONTAINING SUSPENDED SOLID BODIES, SEWAGE AND WATER MIXED WITH MUD.**

GUARANTEE 2 YEARS subject to our general terms of sale.

CONSTRUCTION CHARACTERISTICS

- **PUMP BODY:** cast iron, with threaded port ISO 228/1.
- **MOTOR CASING AND BASE:** cast iron.
- **IMPELLER:** stainless steel AISI 304.
- **MOTOR SHAFT:** stainless steel EN 10088-3 - 1.4104.
- **DOUBLE SEAL:** mechanical seal silicon carbide - NBR, with oil barrier chamber and inner lip seal to protect the seal in the event of dry running.
- **MOTOR:** submersible asynchronous for continuous duty.
VXCm: single-phase 220÷240 V - 50 Hz with thermal overload protector.
VXC: three-phase 380÷415 V - 50 Hz.
- **INSULATION:** class F. ● **PROTECTION:** IP 68.

STANDARD FEATURES:

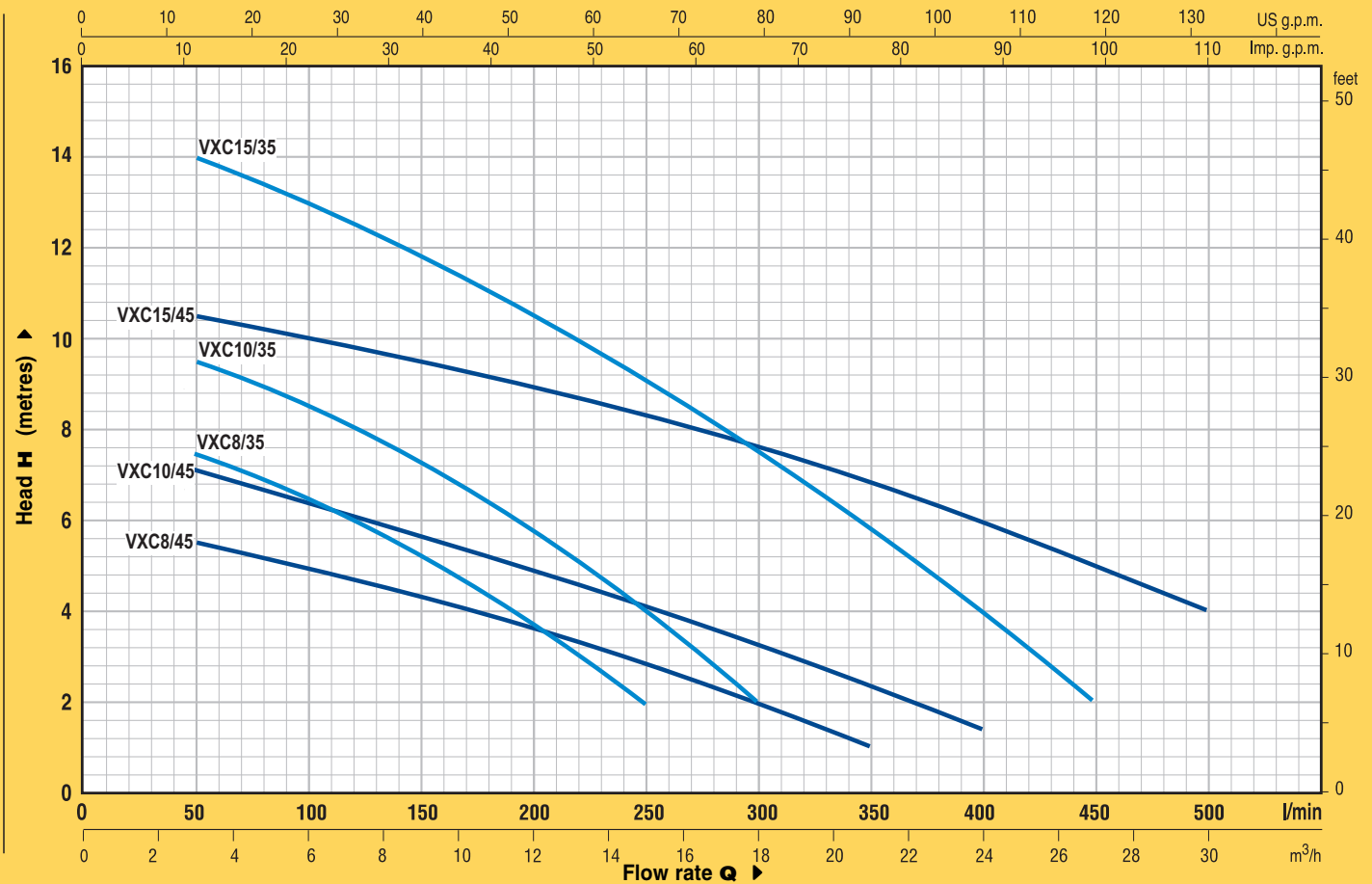
VXCm (single-phase) Float switch.
Neoprene power cable "H07 RN-F"
length **10 metres** with Schuko plug.
Control box with capacitor (Protection IP 64).

VXC (three-phase) Neoprene power cable "H07 RN-F"
length **10 metres**.

OPTIONS ON REQUEST

- ⇒ control box for three-phase pumps 1.1 kW
- ⇒ single-phase pumps without float switch
- ⇒ other voltages or frequency 60 Hz

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

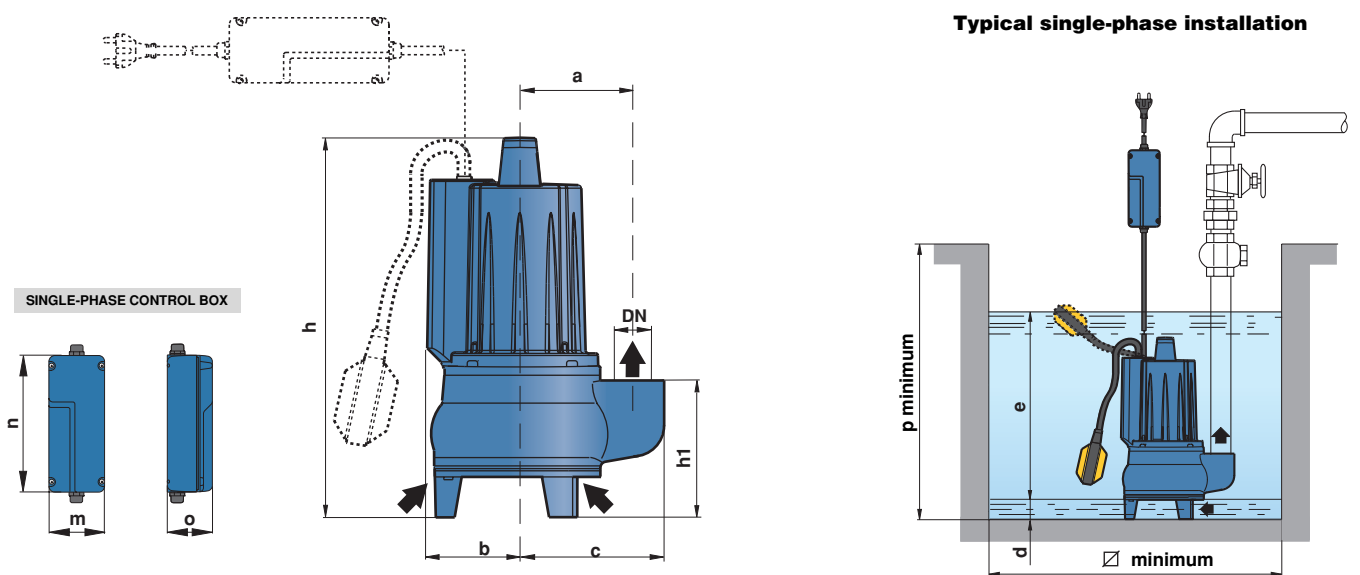


TYPE		POWER		Q	H metres												
Single-phase	Three-phase	kW	HP		m³/h	0	3	6	9	12	15	18	21	24	27	30	
VXCm 8/35	—	0.60	0.85	0	8.4	7.5	6.5	5.2	3.7	2							
VXCm 10/35	VXC 10/35	0.75	1	3	10	9.5	8.5	7.2	5.8	4	2						
VXCm 15/35	VXC 15/35	1.1	1.5	6	15	14	13	11.8	10.5	9	7.5	6	4	2			
VXCm 8/45	—	0.60	0.85	9	6	5.5	5	4.4	3.6	2.8	2	1					
VXCm 10/45	VXC 10/45	0.75	1	12	7.5	7	6.5	5.8	5	4	3.2	2.4	1.5				
VXCm 15/45	VXC 15/45	1.1	1.5	15	11	10.5	10	9.5	9	8.3	7.5	6.8	6	5	4		

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

DIMENSIONS AND WEIGHTS



TYPE		PORT DN	passage of solid bodies	DIMENSIONS mm					DIMENSIONS mm				kg				
Single-phase	Three-phase			a	b	c	h	h1	m	n	o	d	e	p	∅	1~	3~
VXCm 8/35	—	1 1/2"	∅ 35 mm	105	90	137	350	123	81	200	66	40	adjustable	500	500	17.0	-
VXCm 10/35	VXC 10/35			92	143	370	133	18.7								17.1	
VXCm 15/35	VXC 15/35			90	150	375	148	20.9								19.8	
VXCm 8/45	—	2"	∅ 45 mm	110	90	150	375	148	81	200	66	55	adjustable	500	500	18.0	-
VXCm 10/45	VXC 10/45			120	97	163	395	153								19.7	18.0
VXCm 15/45	VXC 15/45			120	97	163	395	153								21.9	20.8