

RX VORTEX

Submersible pumps in stainless steel



RX VORTEX

Submersible pumps in Stainless Steel

- Improved performance and higher efficiency
- All in stainless steel
- Suitable for dirty water
- Passage of solids up to \varnothing 40 mm
- Double mechanical seal in silicon carbide with oil chamber
- Vertical threaded port to reduce overall dimensions

 Dirty Water

 Domestic Use

 Civil Use



PERFORMANCE RANGE

- Flow rate up to **380 l/min** (22.8 m³/h)
- Head up to **13 m**

APPLICATION LIMITS

- **10 m** maximum immersion depth (with a sufficiently long power cable)
- Maximum liquid temperature **+50 °C** (Max Liquid temperature +90° for a maximum of 3 minutes service at a time)
- Passage of solid particles:
 - up to **Ø 20 mm** for RX 2/20, RX 3/20
 - up to **Ø 40 mm** for RX 4/40, RX 5/40
- Suction level:
 - up to **25 mm** above ground level for RX 2/20, RX 3/20
 - up to **50 mm** above ground level for RX 4/40, RX 5/40
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

The pumps are supplied with with:

- **5 m** long power cable for RX 2/20, RX 3/20
- **10 m** long power cable for RX 4/40, RX 5/40
- Float switch for single-phase versions

EN 60335-1
IEC 60335-1
CEI 61-150

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

INSTALLATION AND USE

The RX-VORTEX series pumps are suitable for use with dirty water. The reliability of these pumps is guaranteed even on continuous duty by some unique features, such as the complete cooling of the motor. They are recommended for use in domestic applications for draining dirty water containing suspended solids.

PATENTS – TRADE MARKS – MODELS

- Patent n° EP2313658
- Patent n° IT0001428923

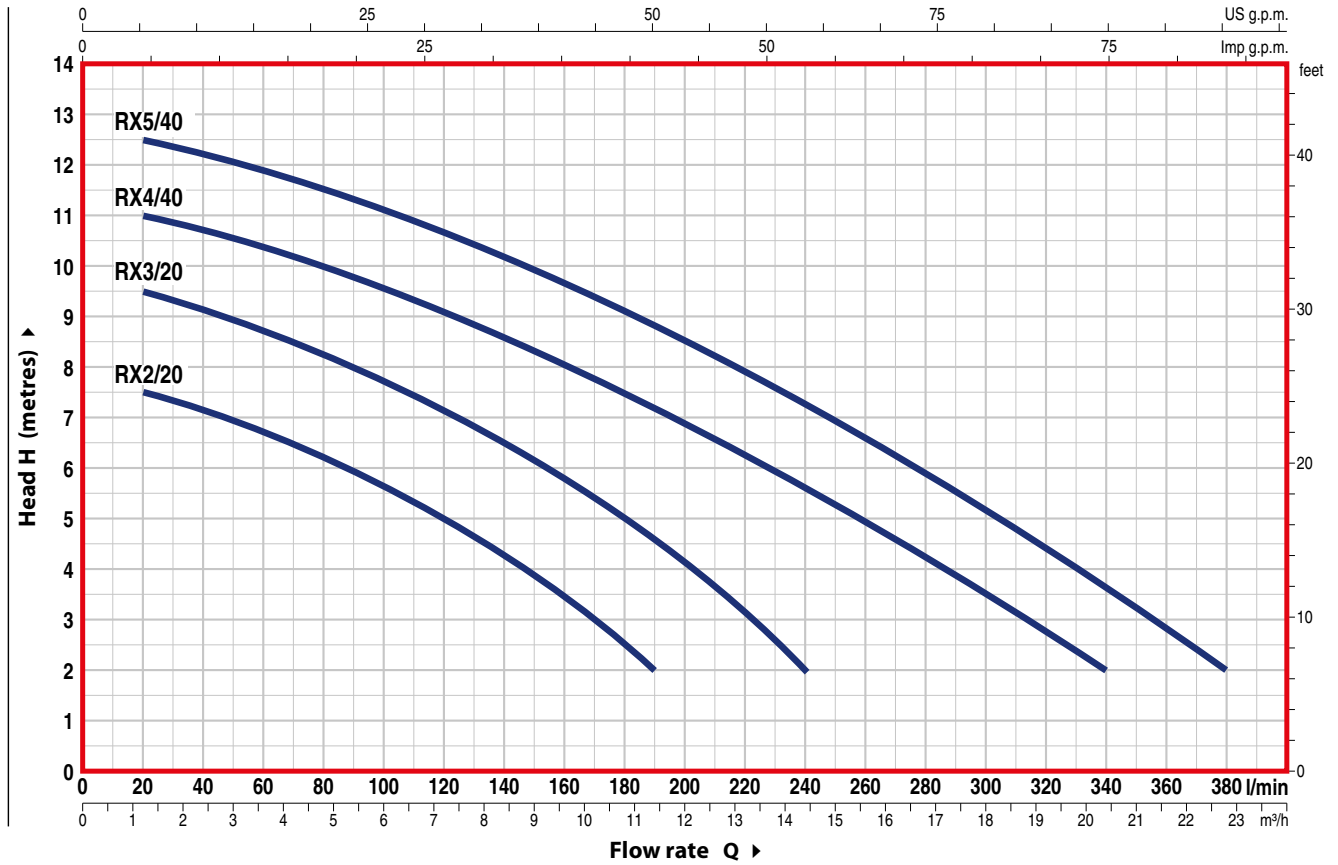
OPTIONS AVAILABLE ON REQUEST

- "RX-VORTEX GM" pumps with a vertical float switch (suitable for particularly small wells)
- Special mechanical seal
- RX 2-3/20 pumps with a **10 m** long power cable.
 - ⇒ N.B.: accordance with the EN 60335-2-41 Standard, the power cable is obligatory and it must be 10 m long for outdoor applications
- Single-phase pumps without float switch
- Other voltages or 60 Hz frequency

GUARANTEE

2 years in accordance with our general sales conditions

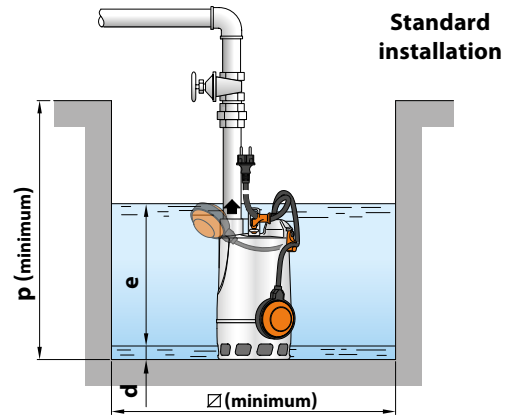
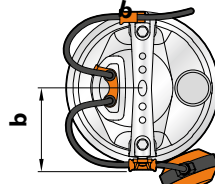
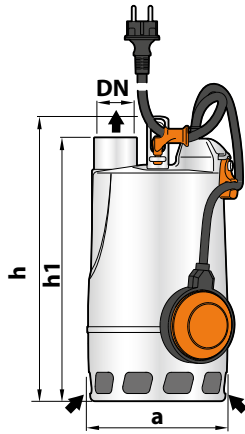
CHARACTERISTIC CURVES AND PERFORMANCE DATA 50 Hz n= 2900 min⁻¹



MODEL		POWER (P ₂)		Q	Flow rate																	
Single-phase	Three-phase	kW	HP		m ³ /h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	11.4	13.2	14.4	20.4	22.8			
				l/min	0	20	40	60	80	100	120	140	160	190	220	240	340	380				
RXm 2/20	RX 2/20	0.37	0.50	H metres	8	7.5	7.1	6.7	6.2	5.7	5	4.3	3.4	2								
RXm 3/20	RX 3/20	0.55	0.75		10	9.5	9.1	8.7	8.2	7.7	7.1	6.5	5.8	4.6	3.2	2						
RXm 4/40	RX 4/40	0.75	1		11.2	11	10.7	10.4	10	9.5	9	8.5	8	7.1	6.2	5.6	2					
RXm 5/40	RX 5/40	1.1	1.5		13	12.5	12.2	11.9	11.5	11.1	10.6	10.1	9.6	8.8	7.9	7.3	3.6	2				

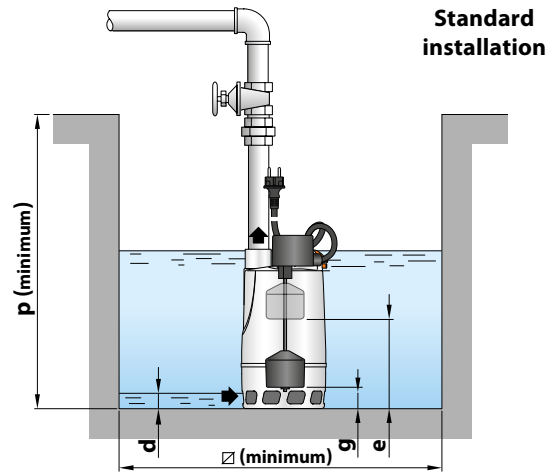
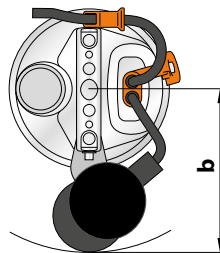
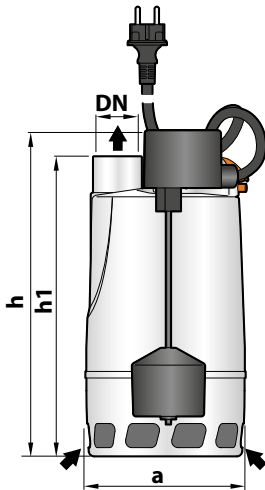
Q = Flow rate H = Total manometric head
Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

DIMENSIONS AND WEIGHT



MODEL		PORT DN	DIMENSIONS mm								kg		PALLETIZATION
Single-phase	Three-phase		a	b	h	h1	d	e	p	Ø	1~	3~	No. pumps
RXm 2/20	RX 2/20	1¼"	147	83	302	278	25	adjustable	350	350	6.2	5.8	96
RXm 3/20	RX 3/20				330	308							
RXm 4/40	RX 4/40	1½"	215	115	433	400	50	adjustable	500	500	14.8	13.9	45
RXm 5/40	RX 5/40				433	400							

VERSION WITH VERTICAL FLOAT SWITCH



MODEL	PORT DN	DIMENSIONS mm									kg		PALLETIZATION
Single-phase	DN	a	b	h	h1	d	e	g	p	Ø	1~	n. pumps	
RXm 2/20 - GM	1¼"	147	150	300	278	25	180	50	350	240	6.3	80	
RXm 3/20 - GM				335	308		210	80					
RXm 4/40 - GM	1½"	215	186.5	433	400	50	320	80	500	350	15.2	36	
RXm 5/40 - GM				16.3	36								