

# Dolphin

## Liquid Ring Vacuum Pumps

### ATEX



Vacuum pump	Category		Explosion group		Temperature class		ATEX classification of vacuum pump
	Inside	Outside	Inside	Outside	Inside	Outside	
Dolphin LX	2G	2G	IIC	IIB, IIC	T4	T4	Ex II inside: 2G IIC T4 / outside: 2G IIB, IIC T4
	3G	3G	IIC	IIB, IIC	T4	T4	Ex II inside: 3G IIC T4 / outside: 3G IIB, IIC T4
Dolphin LM Dolphin LT	1G	2G	IIC	IIB, IIC	T4	T4	Ex II inside: 1G IIC T4 / outside: 2G IIB, IIC T4
	2G	2G	IIC	IIB, IIC	T4	T4	Ex II inside: 2G IIC T4 / outside: 2G IIB, IIC T4
Dolphin LA (Size 3) Dolphin LB (Size 3)	3G	3G	IIC	IIB, IIC	T4	T4	Ex II inside: 3G IIC T4 / outside: 3G IIB, IIC T4
	2G	2G	IIC	IIB, IIC	T4, T5	T4, T5	Ex II inside: 2G IIC T4, T5 / outside: 2G IIB, IIC T4, T5
Dolphin LA (Size 4-9) Dolphin LB (Size 4-9)	3G	3G	IIC	IIB, IIC	T4, T5	T4, T5	Ex II inside: 3G IIC T4, T5 / outside: 3G IIB, IIC T4, T5
	1G	2G	IIC	IIB, IIC	T4, T5	T4, T5	Ex II inside: 1G IIC T4, T5 / outside: 2G IIB, IIC T4, T5
Dolphin LA (Size 4-9) Dolphin LB (Size 4-9)	2G	2G	IIC	IIB, IIC	T4, T5	T4, T5	Ex II inside: 2G IIC T4, T5 / outside: 2G IIB, IIC T4, T5
	3G	3G	IIC	IIB, IIC	T4, T5	T4, T5	Ex II inside: 3G IIC T4, T5 / outside: 3G IIB, IIC T4, T5

For further technical data please refer to the respective product leaflets.

### Ex Zones and Equipment Categories

Explosive atmosphere	Zone *	Category *	Probability that the vacuum pump is an ignition source
Constant, long-term or frequently present	0	1	No ignition source, not even in the event of double malfunctions
To be expected from time to time	1	2	No ignition source, also in case of single malfunctions
Rarely, and even if present then only briefly	2	3	No ignition source during normal operation

\* rating for inside and outside of the vacuum pump

