

R5 ATEX

Rotary Vane Vacuum Pumps



Pump Identification	Category		Explosion Group		Temperature Class		ATEX Classification of Vacuum Pump
	Inside	Outside	Inside	Outside	Inside	Outside	
R5 RA / RC 0016 C R5 RA 0025 F R5 RA 0040 F R5 RA 0063 F R5 RA 0100 F	2G	2G	IIB3	IIB3	T4	T3, T4	Ex II inside: 2G Ex h IIB3 T4 Gb Ex II outside: 2G Ex h IIB3 T3, T4 Gb
R5 RE 0016 B R5 RE 0040 B R5 RE 0063 B	1G	2G	IIB3	IIB3	T4	T3, T4	Ex II 1/2G Ex h IIB3 T4 Ga/Gb
R5 RA 0165 D R5 RA 0205 D R5 RA 0255 D R5 RA 0305 D R5 RA / RC 0630 C R5 RA / RC 1000 B R5 RA / RC 1600 B	2G 3D	2GD	IIB	IIB	80 °C (T3)	130 °C (T4)	Ex II inside: 2G 3D Ex h IIB T80 °C (T3) Gb Dc Ex II outside: 2GD Ex h IIB T130 °C (T4) Gb Db
	2G	2GD	IIB	IIB	T3	130 °C (T4)	Ex II inside: 2G Ex h IIB T3 Gb Ex II outside: 2GD Ex h IIB T130 °C (T4) Gb Db
	2G	-	IIB	-	T3	-	Ex II inside: 2G Ex h IIB T3 Gb Ex II outside: no ATEX zone
	3D	-	-	-	80 °C	-	Ex II inside: 3D Ex h T80 °C Dc Ex II outside: No ATEX zone
R5 RA / RC 0400 C R5 RA / RC 0502 C	2G 3D	2GD	IIB	IIB	80 °C (T3)	150 °C (T3)	Ex II inside: 2G 3D Ex h IIB T80 °C (T3) Gb Dc Ex II outside: 2GD Ex h IIB T150 °C (T3) Gb Db
	2G	2GD	IIB	IIB	T3	150 °C (T3)	Ex II inside: 2G Ex h IIB T3 Gb Ex II outside: 2GD Ex h IIB T150 °C (T3) Gb Db
	2G	-	IIB	-	T3	-	Ex II inside: 2G Ex h IIB T3 Gb Ex II outside: No ATEX zone
	3D	-	-	-	80 °C	-	Ex II inside: 3D Ex h T80 °C Dc Ex II outside: No ATEX zone

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

Ex Zones and Equipment Categories

Explosive atmosphere	Zone ¹	Category ¹	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

¹ rating for inside and outside of the vacuum pump

