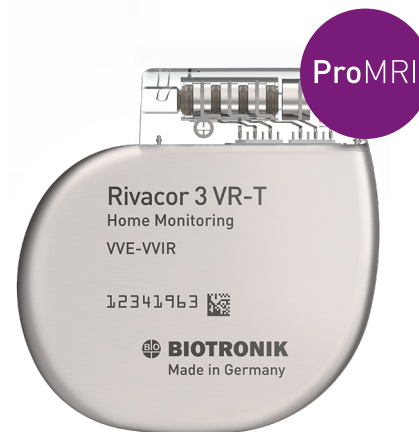


Rivacor 3 VR-T

MR conditional single-chamber ICD



Ordering Information

Model	Connectors	Volume/weight	Dimensions	Order number
Rivacor 3 VR-T	DF4 (LLHH) (1x)	30 cm ³ /75 g	60 mm x 61.5 mm x 10 mm	429574

Product Highlights

BIOshape

BIOTRONIK Home Monitoring®

ProMRI¹⁾

1) For combination of MR conditional devices, please see the "ProMRI MR conditional device systems" manual

ShockReduct

MorphMatch

Automatic threshold monitoring

Rivacor 3 VR-T

Technical Data

Therapy and monitoring zones	
Bradycardia	30 ... [5] ... 100 ... [10] ... 160 bpm
VT1	OFF; 100; 102; 103 ... [2] ... 115; 118 ... [2] ... 122 ... [3] ... 128; 130 ... [3] ... 136; 140 ... [3] ... 146 ... [4] ... 162; 167; 171; 176 ... [6] ... 200 ... [7] ... 214; 222 bpm
VT2	OFF; 120; 122 ... [3] ... 128; 130 ... [3] ... 136; 140 ... [3] ... 146 ... [4] ... 162; 167; 171; 176 ... [6] ... 200 ... [7] ... 214; 222 bpm
VF	OFF; 150 ... [4] ... 162; 167; 171; 176 ... [6] ... 200 ... [7] ... 214; 222 ... [9] ... 240; 250 bpm
Ventricular arrhythmia detection and redetection	
VT detection criteria	Interval; Onset; Stability; MorphMatch; Sustained VT
Detection counter VT1	10 ... [2] ... 100
Detection counter VT2	10 ... [2] ... 80
Redetection counter VT1	10 ... [2] ... 50
Redetection counter VT2	10 ... [2] ... 40
Detection counter VF	6 out of 8; 8 out of 12; 10 out of 14; 12 out of 16; 16 out of 20; 18 out of 24; 20 out of 26; 22 out of 30; 24 out of 30; 30 out of 40
Redetection counter VF	6 out of 8; 8 out of 12; 10 out of 14; 12 out of 16; 16 out of 20; 18 out of 24; 20 out of 26; 22 out of 30; 24 out of 30
Onset	OFF; 4 ... [4] ... 32 %
Stability	OFF; ± 8 ... [4] ... ± 48 ms and ± 8 ... [4] ... ± 48 %
MorphMatch	OFF; Monitoring; ON
MorphMatch threshold	Std.; Low; High
Sustained VT	OFF; 1 ... [1] ... 3; 5; 10 ... [10] ... 30 min
Tachycardia therapy (VT1/VT2 zone)	
Attempts	OFF; 1 ... [1] ... 10
ATP type	Burst; Ramp
Number S1	1 ... [1] ... 15
R-S1 interval	70 ... [5] ... 85; 88; 90; 95 %
ATP optimization	OFF; ON
Minimum ATP interval	200 ms (fixed)
Tachycardia therapy (VF zone)	
ATP type (ATP One Shot)	OFF; Burst; Ramp
Stability criterion	12 % (fixed)
Number S1	1 ... [1] ... 15
R-S1 interval	70 ... [5] ... 85; 88; 90; 95 %
Cardioversions/defibrillation therapy	
Number of shocks	For VT zones: OFF; 1; 2; 6 or 8 For VF zone: 6 or 8
Confirmation (in VT1, VT2, VF)	OFF; ON
Polarity (in VT1, VT2, VF)	Normal; Reversed; Normal → alternating
Waveform (in VT1, VT2, VF)	Biphasic; Biphasic 2
Shock path (in VT1, VT2, VF)	RV → Can+SVC; RV → Can; RV → SVC
Energy of 1st shock	OFF; 2 ... [2] ... 20 ... [5] ... 40 J
Energy of 2nd shock	OFF; 4 ... [2] ... 20 ... [5] ... 40 J
Post-shock mode	VVI, if permanent: VVIRI, OFF
Post-shock pulse amplitude	7.5 V (RV)
Post-shock duration	OFF; 10 s; 30 s; 1 min; 2 min; 5 min; 10 min

Pacing parameters	
Mode	VVIR; VVI; VOO; OFF
Pulse amplitude (RV)	0.5 ... [0.25] ... 4.0 ... [0.5] ... 6.0; 7.5 V
Pulse width (RV)	0.4; 0.5 ... [0.25] ... 1.5 ms
Capture control (RV)	OFF; ATM
Basic rate	30 ... [5] ... 100 ... [10] ... 160 bpm
Rate hysteresis	OFF; -5 ... [-5] ... -25 ... [-20] ... -65 bpm
Scan/Repetitive	OFF; ON
Night rate	OFF; 30 ... [5] ... 100 bpm
Sensing (RV)	Std.; TWS; VFS
Sensor	Accelerometer
MRI program	ON; OFF; AUTO
Expiration date (for AUTO)	Adjustable to today's date + 14 days

Diagnostic functions	
Recording episodes For SVT	OFF; ON
Recording episodes For nsT	OFF; ON (<220ms); ON
Periodic recording (if Home Monitoring: OFF)	OFF; 30 ... [30] ... 120; 180 days
IEGM Holter	2 x 56 min (Far-field, RV)
Length of prehistory	Fixed: 30 s; 5 s (when onset was fulfilled or at induced episodes)

Physical parameters	
Telemetry	RF, programming head
Material	Titanium
Battery	3.2 V
Longevity	15.06 years ¹ ¹ RV: 2.5 V/0.4 ms, 40 bpm, 500 Ω ; RV: 15 % pacing; 2 max. energy shocks/year; Home Monitoring: ON (daily transmission); diagnostics: ON

Tests	
Different tests for	Impedance, Sensing, Pacing threshold, DFT (EPE/ATP), conducRetrogradation, Rapid ventricular pacing

Program sets	
Programs	Standard program; ProgramConsult; Individual program (1-3, individually programmable); First interrogated program; Safe program

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Transmitted data	Detection and therapy counters; Statistics; Lead measurement values; Battery and system status; ICD program parameters
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Message types	
Trend message	Triggered automatically once every 24 hours
Event message	Triggered automatically after certain cardiac events
Test message	Triggered manually via programmer

Programmer settings	
Home Monitoring	OFF; ON
IEGM for therapy episodes	OFF; ON
IEGM for monitoring episodes	OFF; ON

Home Monitoring-supported follow-up	
Remote Scheduling	Enable; Disable
HM follow-up intervals/alignment	Individually programmable first date and repetition intervals varying from 20-366 days; Alignment with a specific day of the week; Only working days or no day alignment

Transmitted data	Periodic IEGM; Rate histogram (V); Device settings and statistics
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Please refer to the technical manual of the device for further technical information.