



## GoVault™ Data Protection Solution

Fast, simple, reliable and affordable disk-based data protection solution

The GoVault Data Protection Solution is a fast, simple, reliable and affordable disk-based data protection solution that satisfies the backup, disaster recovery, and archive needs of small business. GoVault's unique Data Protection software utilizes data de-duplication technology to provide an extremely cost-effective solution by reducing the number of cartridges required for effective backups by up to 20:1. The result is significantly faster daily backups, so performance doesn't have to be compromised for convenience, while providing a simple to use, easy to organize solution that is tough enough for real-life handling. The GoVault Data Protection Solution includes ruggedized, password protected, removable media cartridges allowing for secure and reliable onsite/offsite backup practices. It is the ideal backup solution for small business servers and high end desktop environments.

Data de-duplication technology eliminates redundant data to dramatically increase the number of backup data sets that can be stored on a single disk, as well as the number of available recovery points. The result is reduced media handling, simplified management, and faster restores, which allows a more practical and cost effective way to provide disaster recovery protection.

GoVault cartridges are available in 40GB, 80GB, 120GB, 160GB and 320GB capacities, all of which are read and write compatible and interchangeable with any GoVault dock, so it's easy to maintain daily backups and organize data. Choose from the easily-integrated internal dock, which can be quickly installed into either a standard 5.25 inch or a 3.5 inch server or desktop bay, or the stylish brushed aluminum tabletop USB dock that can be connected in seconds.

COMPLETE SOLUTION

UNCOMPRESSED CARTRIDGE  
CAPACITIES UP TO 320GB

DATA DE-DUPLICATION TECHNOLOGY

3 YEAR RAPID EXCHANGE WARRANTY

### FEATURES AND BENEFITS

- Fast - Backup completes in minutes, BEFORE you leave the office. Quick, random-access to data for fast restores
- Simple - Every backup is a full backup; no hunting through incrementals like tape
- Reliable - Ruggedized cartridges can withstand a one-meter drop to a hard surface without damage and have 10+ years archive shelf life
- Affordable - Cartridges can be used for months without filling up, thanks to data de-duplication technology
- Solution - Includes Dock, Cartridges (onsite/offsite) and Data Protection software

**DRIVE CAPACITY AND PERFORMANCE**

Drive Type	Cartridge Capacity (GB)	Drive Throughput Typical/Max (MB/sec)
GoVault	40, 80, 120, 160, 320	26 / 34

Interface: SATA II internal, USB 2.0 tabletop

Device Timing (Seek Rates)

Min. 1 track	1.0 msec read, 1.5 msec write
Average	12.5 msec read, 14.5 msec write
Max	22 msec read, 24 msec write
Latency	5.56 msec (average)
Spindle speed	5400 rpm
Start time	3.5 sec
Stop time including eject	3.0 sec

**COMPATIBILITY**

**Operating System:** Linux, Windows 2000, Windows Server 2003, Windows XP, 32 bit and x64, Vista  
**Backup Software: (Bundled)** Windows XP SP2, 2003 Server, Vista

**RELIABILITY**

**Cartridge:** 5,000 insertion/removal cycles  
**Dock:** 5,000 insertion/removal cycles  
**Dock Service Life:** 5 years @ 2.75 insertions per day  
**MTBF:** 375,000 hours MTBF at 100% duty cycle internal, 300,000 hours MTBF tabletop  
**Cartridge Archive Life:** >10 years  
**Unrecoverable Data Rate:** 1 error in 10<sup>14</sup>

**MECHANICAL SHOCK**

**Non-Operating Cartridge:** 2,000 Gs (2 msec half sine) (1 meter (39.4 inches) drop, hard surface)  
**Non-Operating System:** 40Gs internal and 80Gs tabletop (11 msec, half sine)

**PHYSICAL SPECIFICATIONS**

Form Factor	Internal Dock	Cartridge	Tabletop Dock
Width (in/mm)	4 / 101.6	3.37 / 85.7	4.6 / 117.5
Height (in/mm)	1.63 / 41.3	0.96 / 24.5	2.5 / 63.3
Length (in/mm)	6.57 / 167	4.4 / 111.9	7.2 / 182.5
Weight	16.7oz / 473g	5.6oz / 158.7g	30.4oz / 862g

**MECHANICAL VIBRATION (SYSTEM)**
**Operating Reads / Writes System**

**Linear:**  
**Magnitude:** 0.2G  
**Range:** 10-500Hz, 2.0 Oct/min., sweep sine  
**Random:**  
**Magnitude:** 0.2G RMS  
**Range:** 5 to 500Hz, random sweep  
**Non-Operating Cartridge:** 5.0G, 0 to peak, 5 to 500Hz  
**Non Operating Dock:**  
**Linear:**  
**Magnitude:** 0.1 inches peak-to-peak  
**Range:** 5-15Hz and 1.0G from 15-500Hz, 1.0 Oct/min sweep rate  
**Random:**  
**Magnitude:** 0.2G RMS  
**Range:** 5 to 500Hz

**ENVIRONMENTAL**

**Operating (System)**  
**Temperature °F (°C)** 50°F to 104°F (10°C to 40°C)  
**Humidity (%)** 20% to 80% RH Non-condensing  
**Altitude (ft. maximum)** 10,000 ft MSL  
**Non-Operating (Internal Dock)**  
**Temperature °F (°C)** -40°F to 140°F (-40°C to 60°C)  
**Humidity (%)** 10% to 95% RH Non-condensing  
**Operating (Cartridge)**  
**Temperature F (C)** 40°F to 130°F (5°C to 55°C)  
**Humidity (%)** 5-90% RH Non-condensing  
**Temperature Gradient (Degrees per hour max)** 68°F (20°C)  
**Non-Operating (Cartridge)**  
**Temperature F (C)** -40°F to 158°F (-40°C to 70°C)  
**Humidity (%)** 5-90% RH Non-condensing  
**Temperature Gradient (Degrees per hour max)** 86°F (30°C)  
**Long Term Storage (Cartridge)**  
**Temperature F (C)** 68°F to 86°F (20°C to 30°C)  
**Humidity (%)** 20-40% RH Non-condensing  
**Temperature Gradient (Degrees per hour max)** 86°F (30°C)  
**Voltage (V)** + 5, +12 internal, 110 - 220 VAC tabletop  
**Power Consumption (W)** 6

**WARRANTY**

**Cartridge:** 3 year limited with Rapid Exchange  
**Dock:** 3 year limited with Rapid Exchange

Model Number	Data Protector	Data Protection Solution	Description
<b>Dock Only</b> No Cartridge	<b>One Cartridge</b>	<b>Two Cartridges</b>	
QR1201-B5-S0D00			<b>GoVault Internal Kits</b> Includes SATA internal dock and cables, 5.25" and 3.5" black and beige bezels, GoVault Data Protection Software GoVault Internal Dock, no cartridges GoVault 800, 40GB cartridge(s) GoVault 1600, 80GB cartridge(s) GoVault 2400, 120GB cartridge(s) GoVault 3200, 160GB cartridge(s) GoVault 6400, 320GB cartridge
	QR1201-B5-S1D04	QR1201-B5-S2D04	
	QR1201-B5-S1D08	QR1201-B5-S2D08	
	QR1201-B5-S1D12	QR1201-B5-S2D12	
	QR1201-B5-S1D16	QR1201-B5-S2D16	
	QR1201-B5-S1D32		
QR1202-B5-S0D00			<b>GoVault Tabletop Kits</b> Includes USB external dock and cables, GoVault Data Protection Software GoVault Tabletop Dock, no cartridges GoVault 800, 40GB cartridge(s) GoVault 1600, 80GB cartridge(s) GoVault 2400, 120GB cartridge(s) GoVault 3200, 160GB cartridge(s) GoVault 6400, 320GB cartridge
	QR1202-B5-S1D04	QR1202-B5-S2D04	
	QR1202-B5-S1D08	QR1202-B5-S2D08	
	QR1202-B5-S1D12	QR1202-B5-S2D12	
	QR1202-B5-S1D16	QR1202-B5-S2D16	
	QR1202-B5-S1D32		
Additional Cartridge			<b>GoVault Cartridges</b> All GoVault docks are compatible with all cartridges below 40GB uncompressed 80GB uncompressed 120GB uncompressed 160GB uncompressed 320GB uncompressed
QRM40			
QRM80			
QRM120			
QRM160			
QRM320			



For contact and product information, visit [quantum.com](http://quantum.com) or call 800-677-6268

# Quantum®

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