

Low Pressure/Vacuum Tube

- A **Smarter** Choice than J. Young Tube



Wilmad-LabGlass introduces a novel low pressure/vacuum (LPV) tube for both NMR and EPR experiments. A redesigned sealing surface eliminates leaks and greatly increases its lifetime when compared to traditional J. Young gas-tight tubes. Wilmad low pressure/vacuum tube continues to offer a convenient flame-free sealing solution for air sensitive or volatile liquid samples at any pressure from 10^{-6} torr vacuum to 120 psi pressurized studies.

Highlights:

- ✍ 4X larger sealing surface increases lifetime and reliability
- ✍ PTFE piston provides a 100% contamination-free seal
- ✍ Axial symmetric design guarantees its application in spinning experiments
- ✍ Spare glass tube can be purchased separately
- ✍ Cheaper price reduces experimental costs
- ✍ Standard sizes can be shipped within 1-2 business days after receipt of order

5 mm Thin Wall LPV NMR Tube

Product No.	MHz Rating	OD (mm)	ID (mm)	Bottom Tube Length (inch)	Concentricity (μ m)	Camber (μ m)	Price (2013)
535-LPV-7	600	5.0	4.2	7	13	6	\$102.52
535-LPV-8	600	5.0	4.2	8	13	6	\$102.52
535-LPV-9	600	5.0	4.2	9	13	6	\$102.52
528-LPV-7	500	5.0	4.2	7	25	13	\$97.05
528-LPV-8	500	5.0	4.2	8	25	13	\$97.05
528-LPV-9	500	5.0	4.2	9	25	13	\$97.05
507-LPV-7	300	5.0	4.2	7	51	25	\$92.77
507-LPV-8	300	5.0	4.2	8	51	25	\$92.77
507-LPV-9	300	5.0	4.2	9	51	25	\$92.77



Toll Free: **1-800-220-5171**
Int'l.: **856-691-3200**



Toll Free: **1-800-220-1081**
Int'l.: **856-691-6206**



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5 mm LPV NMR Tube for Pressure Studies

Product No.	MHz Rating	OD (mm)	ID (mm)	Wall Thickness (mm)	Bottom Tube Length (inch)	Concentricity/ Camber (μm)	Max Pressure (psi)	Price (2013)
522-LPV-7	400	5.0	2.16	1.4	7	51/51	100	\$106.61
524-LPV-7	400	5.0	3.43	0.77	7	51/76	120	\$105.06

5 mm LPV NMR Tube for Auto Samplers

Product No.	MHz Rating	OD (mm)	ID (mm)	Overall Length (mm)	Bottom Tube Length (mm)	Camber (μm)	Concentricity (μm)	Price (2013)
535-LPV-200M	600	5.0	4.2	200	137	13	6	\$146.62
528-LPV-200M	500	5.0	4.2	200	137	25	13	\$138.79
507-LPV-200M	300	5.0	4.2	200	137	51	25	\$132.67

Overall Length refers to the length of the LPV assembly when the valve is closed and the glass vacuum adapter is removed. Please make sure that this number meets the sample height clearance in your auto sampler.

3, 4, 10 mm Thin Wall LPV NMR Tube

Product No.	MHz Rating	OD (mm)	ID (mm)	Wall Thickness (mm)	Bottom Tube Length (inch)	Camber (μm)	Concentricity (μm)	Price (2013)
335-LPV-7	600	3.0	2.4	0.29	7	13	6	\$102.52
335-LPV-8	600	3.0	2.4	0.29	8	13	6	\$102.52
328-LPV-7	500	3.0	2.4	0.29	7	25	13	\$97.05
328-LPV-8	500	3.0	2.4	0.29	8	25	13	\$97.05
307-LPV-7	300	3.0	2.4	0.29	7	51	25	\$92.77
307-LPV-8	300	3.0	2.4	0.29	8	51	25	\$92.77
435-LPV-7	600	4.0	3.2	0.40	7	13	6	\$102.52
513-7LPV-7	500	10.0	9.1	0.45	7	38	13	\$110.62
513-7LPV-8	500	10.0	9.1	0.45	8	38	13	\$110.62

Quartz LPV Tube for NMR and EPR Studies

Product No.	Material	OD (mm)	ID (mm)	Wall Thickness (mm)	Bottom Tube Length (mm)	Concentricity/ Camber (μm)	Price (2013)
528-LPV-7-QTZ	Natural Quartz	5.0	4.2	0.38	203	25/13	\$154.52
734-LPV-7	Synthetic Quartz	4.0	3.2	0.40	203	51/51	\$163.19

LPV Tube Spare Parts

Product No.	Description	Price (2013)
535-LPV-7-T-P	Replacement LPV Glass Tube for 535-LPV-7	\$61.51
535-LPV-8-T-P	Replacement LPV Glass Tube for 535-LPV-8	\$61.51
528-LPV-7-T-P	Replacement LPV Glass Tube for 528-LPV-7	\$58.24
528-LPV-8-T-P	Replacement LPV Glass Tube for 528-LPV-8	\$58.24
507-LPV-7-T-P	Replacement LPV Glass Tube for 507-LPV-7	\$55.66
507-LPV-8-T-P	Replacement LPV Glass Tube for 507-LPV-8	\$55.66
GVA-5	Glass Vacuum Adapter	\$5.98
LPV-O-5	Replacement O-Rings for LPV Tubes/5 Pack	\$15.08
WNMR-5-PISTON	PTFE Piston for 3, 4 and 5 mm LPV Tube	\$70.61
WNMR-10-PISTON	PTFE Piston for 10 mm LPV Tube	\$71.70