

NEW
Wilmad Sets the Standard

Spinner Turbine for Bruker and Agilent (Varian) Spectrometers

SP Service VirTis Hull Wilmad LabGlass Genevac FTS Hotpack

5 mm Wilmad NMR Tube

Tachometer Strip with Foil Protection for Improved Life Span

PEEK Spinner Body
1. VT operation from -150°C to +200°C
2. More mechanically robust than Ceramic spinner

Exchangeable

Exchangeable

4 mm Wilmad NMR Tube

4 mm Uni-finger Adapter

More Air Flow Less T Gradient

Double O-ring Design for Improved Grip and Life Span

3 mm Wilmad NMR Tube

3 mm Uni-finger Adapter

More Air Flow Less T Gradient

Optional Conductive Mass Multiplier Ring
1. Increase stability for non-spin experiment
2. Introduce eddy current braking during sample loading
3. Also compatible with Bruker's original POM spinner

UNI-FINGER Spinner Turbine
ONE spinner fits 3 tube sizes
uni-finger adapters sold separately

$\nabla \cdot \vec{E} = \frac{\rho}{\epsilon}$

$\nabla \times \vec{B} = \mu \vec{j} + \mu \epsilon \frac{\partial \vec{E}}{\partial t}$

See back for spinner models, accessories and pricing



ISO 9001:2008 Certified
An SP Industries Company



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Fax



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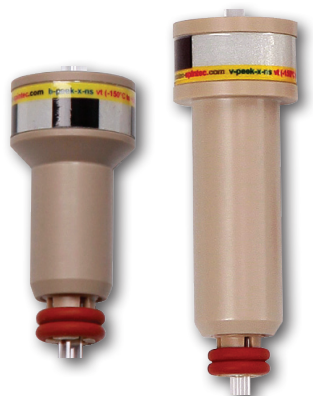
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Uni-finger Spinners for Bruker and Agilent (Varian) Spectrometers

- Same VT performance as ceramic spinner
- Add Mass Multiplier Ring to improve non-spinning performance
- VT air flow optimized for non-spinning operation



B-PEEK-5-NS V-PEEK-5-NS



Product No.	Application Temperature	Description	Compat-ibility	Price Each
B-PEEK-3-NS	-150 °C to +200 °C	Bruker spinner turbine with 3 mm PEEK exchangeable fingers	Bruker	\$303.07
B-PEEK-4-NS	-150 °C to +200 °C	Bruker spinner turbine with 4 mm PEEK exchangeable fingers		\$303.07
B-PEEK-5-NS	-150 °C to +200 °C	Bruker spinner turbine with 5 mm PEEK exchangeable fingers		\$303.07
V-PEEK-3-NS	-150 °C to +200 °C	Agilent spinner turbine with 3 mm PEEK exchangeable fingers	Agilent (Varian)	\$282.40
V-PEEK-4-NS	-150 °C to +200 °C	Agilent spinner turbine with 4 mm PEEK exchangeable fingers		\$282.40
V-PEEK-5-NS	-150 °C to +200 °C	Agilent spinner turbine with 5 mm PEEK exchangeable fingers		\$282.40
UNI-FINGER-PEEK-3	-150 °C to +200 °C	3 mm exchangeable PEEK finger ¹	Universal	\$37.22
UNI-FINGER-PEEK-4	-150 °C to +200 °C	4 mm exchangeable PEEK finger ¹		\$37.22
UNI-FINGER-PEEK-5	-150 °C to +200 °C	5 mm exchangeable PEEK finger ¹		\$37.22
UNI-FINGER-3	-150 °C to +200 °C	3 mm PTFE finger ¹ for non-spin NMR		\$34.44
UNI-FINGER-5	-150 °C to +200 °C	5 mm PTFE finger ¹ for non-spin NMR		\$34.44
UNI-MASS-MULTI	-150 °C to +200 °C	Mass multiplier ring ² (10 g)	\$41.32	

1. Two of each uni-finger are required to serve as an adapter
2. Mass multiplier ring can also be added to Bruker POM 5 mm spinner to equalize the weight in a sample changer environment

Room Temperature Spinners for Bruker and Agilent (Varian) Spectrometers

- Rated as ≥ 500 MHz
- Equivalent to Type A POM Spinner
- Double O-ring (Bruker only) for improved grip and life span

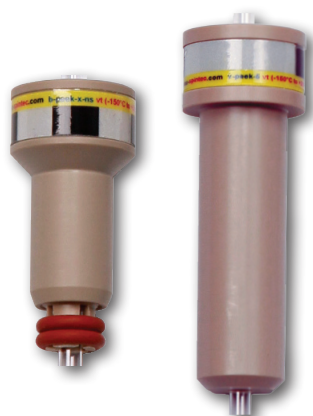


STB-5 STV-5

Product No.	Application Temperature	Description	Compat-ibility	Price Each
STB-5	-10 °C to +70 °C	5 mm Bruker spinner turbine	Bruker	\$104.69
STV-5	-10 °C to +70 °C	5 mm Agilent spinner turbine	Agilent (Varian)	\$148.53

Variable Temperature Spinners for Bruker and Agilent (Varian) Spectrometers

- Ceramic and Kel-F spinner substitute
- Add mass multiplier ring for Bruker spinner (including Bruker's original POM spinner) for non-spin experiment



B-PEEK-5 V-PEEK-5

Product No.	Application Temperature	Description	Compat-ibility	Price Each
B-PEEK-5	-150 °C to +200 °C	5 mm Bruker spinner turbine	Bruker	\$256.83
B-PEEK-10	-150 °C to +200 °C	10 mm Bruker spinner turbine		\$247.96
V-PEEK-5	-150 °C to +200 °C	5 mm Agilent spinner turbine	Agilent (Varian)	\$254.85
V-GFK-10	-150 °C to +200 °C	10 mm Agilent spinner turbine		\$261.74