(800) 628-8139 or (508) 946-6200
brookfieldengineering.com

Vane Spindles

For Foods, Cosmetics, Sealants and More

Ideal for paste-like materials, gels and fluids where suspended solids migrate away from the measurement surface of standard spindles.

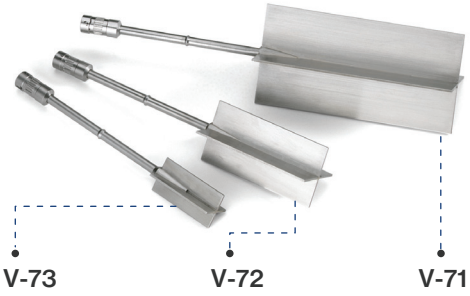
- Minimal disruption of sample during spindle immersion
- Keeps particles in suspension during testing cycle
- Viscosity data includes complete flow curve analysis when software is used
- Provides information on yield behavior at low rotational speeds
- Follows industry recommendations on length/diameter ratios for vane spindles
- 3-piece spindle set for versatile range capability
- Optional V-74 and V-75 spindles for even greater range capability and immersion into small size sample containers

Vane Spindle Ranges

Spindle	Torque Range	Shear Stress Range (Pa)	Viscosity Range cP(mPa•s)
V-71	NOT RECOMMENDED FOR USE ON LV TORQUE		
V-72	LV	.188-1.88	104.04-1.04K
V-73	LV	.938-9.38	502-5.02K
V-74	LV	9.38-93.8	5.09K-50.9K
V-75	LV	3.75-37.5	1.996K-19.96K
V-71	RV	.5-5	262-2.62K
V-72	RV	2-20	1.11K-11.1K
V-73	RV	10-100	5.35K-53.5K
V-74	RV	100-1K	54.3K-543K
V-75	RV	40-400	21.3K-213K
V-71	HA	1-10	524-5.24K
V-72	HA	4-40	2.22K-22.2K
V-73	HA	20-200	10.7K-107K
V-74	HA	200-2K	108.6K-1.086M
V-75	HA	80-800	42.6K-426K
V-71	HB	4-40	2.096K-20.96K
V-72	HB	16-160	8.88K-88.8K
V-73	HB	80-800	42.8K-428K
V-74	HB	800-8K	434.4K-4.344M
V-75	HB	320-3.2K	170.4K-1.704M
V-71	5xHB	20-200	10.48K-104.8K
V-72	5xHB	80-800	44.4K-444K
V-73	5xHB	400-4000	214K-2.14M
V-74	5xHB	4K-40K	2.172M-21.72M
V-75	5xHB	1.6K-16K	852K-8.52M

Note: 1.) 1 Pa = 10 dyne/cm2 2.) Viscosity Range is given at rotational speed of 10 RPM 3.) 5xHB is the highest torque range available 4.) Not for use with DV-E Viscometers

M = 1 million K = 1 thousand Pa = Pascal
cP = Centipoise mPa•s = Millipascal•seconds



Vane Spindle Set

Includes V-71, V-72, and V-73 vane spindles. See the individual specifications in the spindle section.

Optional V-74 and V-75 spindles are smaller in size than V-73.

Magnetic Coupling Option

Vane Spindles are available with special magnetic spindle coupling for use on standard Brookfield Viscometers/Rheometers already equipped with the magnetic coupling feature.

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Repeatable Reliable Accurate