

# PVS™ Rheometers

allows quick and easy viscosity measurements under pressure where sample boil-off is a problem

**1'x1'x2' footprint**  
for site to site mobility

**Includes RheoVision Software**  
for sophisticated rheological analysis

**Hastelloy C cup and bobs**  
for operation in severe field environments

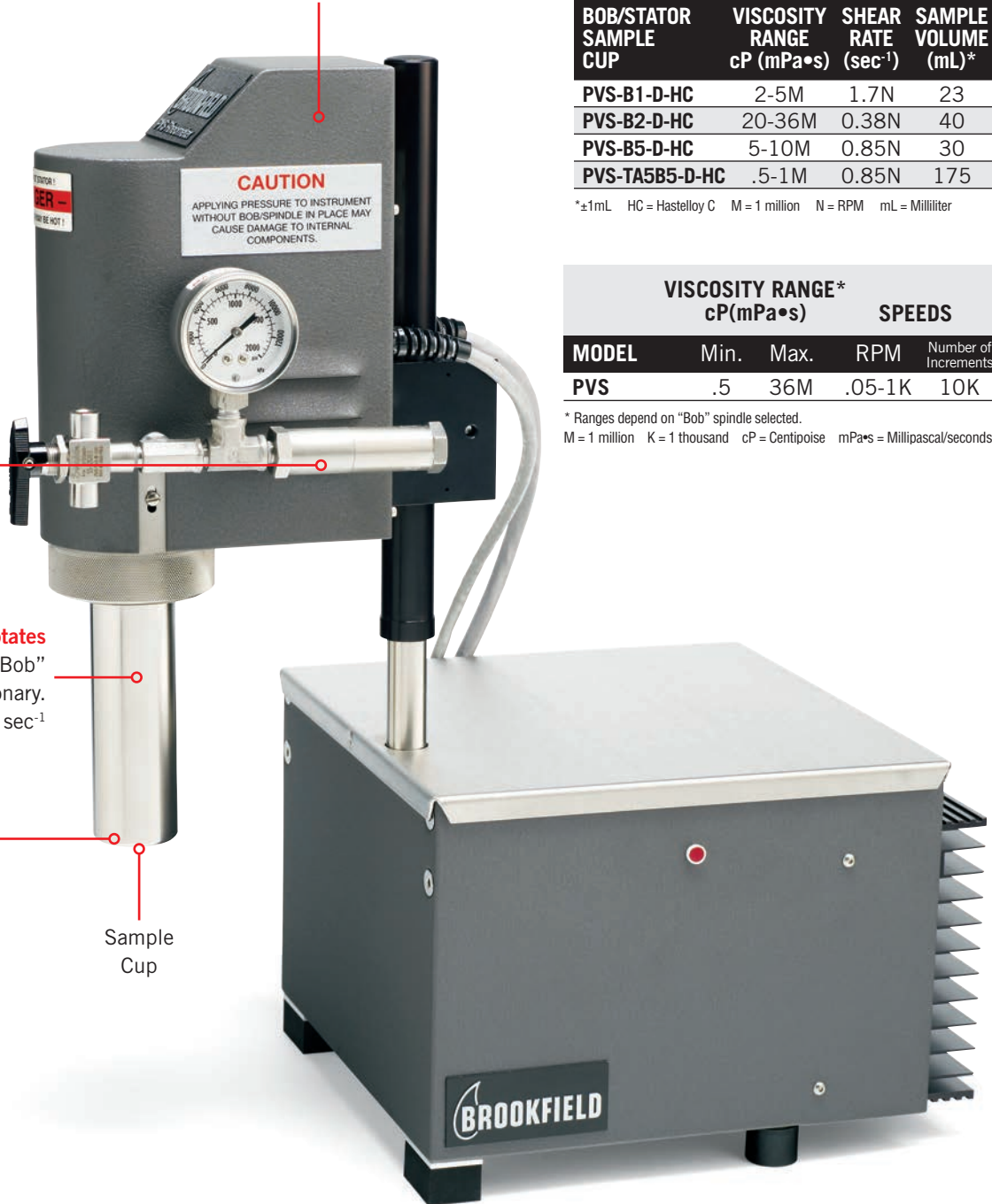
**Robust Drive** Capable of  
Speeds Up to 1000 RPM

**High Pressure**  
(1000 psi) Safety  
Release Valve

**Outside Cylinder Rotates**  
While Inside "Bob"  
Remains Stationary.  
Shear Rates to 1700 sec<sup>-1</sup>

**RTD on the Inner Cylinder**  
Ensures Accurate Sample  
Temperature Measurement

Sample  
Cup



## PVS Rheometer Ranges

BOB/STATOR SAMPLE CUP	VISCOSITY RANGE cP (mPa•s)	SHEAR RATE (sec <sup>-1</sup> )	SAMPLE VOLUME (mL)*
PVS-B1-D-HC	2-5M	1.7N	23
PVS-B2-D-HC	20-36M	0.38N	40
PVS-B5-D-HC	5-10M	0.85N	30
PVS-TA5B5-D-HC	.5-1M	0.85N	175

\*±1mL HC = Hastelloy C M = 1 million N = RPM mL = Milliliter

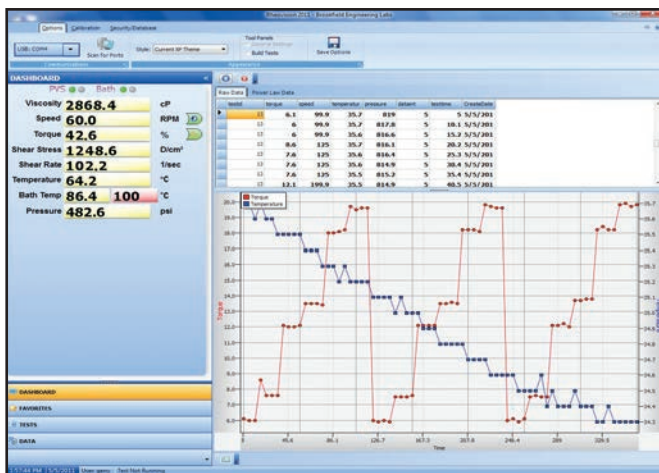
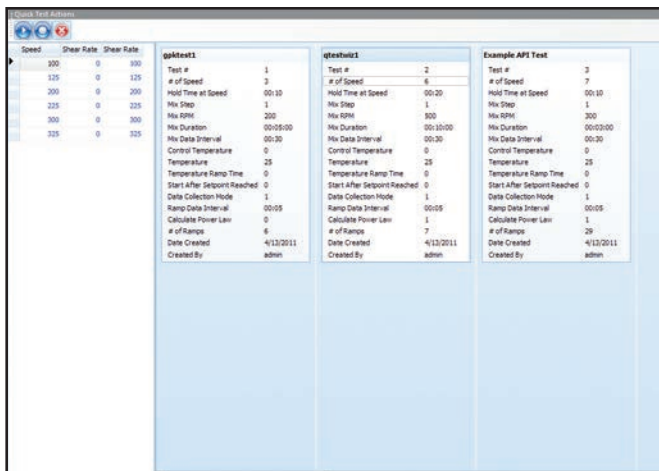
MODEL	VISCOSITY RANGE* cP(mPa•s)		SPEEDS	
	Min.	Max.	RPM	Number of Increments
PVS	.5	36M	.05-1K	10K

\* Ranges depend on "Bob" spindle selected.  
M = 1 million K = 1 thousand cP = Centipoise mPa•s = Millipascal/seconds

## RheoVision Software Included

FOR AUTOMATION AND CONTROL OF ALL TEST PARAMETERS

Specifically designed for sophisticated rheological analysis, RheoVision makes viscosity measurement under pressurized and temperature controlled conditions an easy task. Powerful scripting language provides simple to complex data collection programs including automatic calculation of yield stress using Bingham, Herschel-Bulkley, and Power Law equations.



## Optional Configurations

Optional configurations include additional spindles and bobs, computer, temperature control bath, thermo bath, triple annulus geometry for increased sensitivity when measuring low viscosity fluids



## Thermo Bath Option

For sample heating with small space requirement. Call for details.



## Carrying Case

For in-the-field portability