

# Wells/Brookfield™ Cone & Plate

for small samples

**Determine absolute viscosity**  
of small samples (0.5 – 2.0 mL)

**Available in these models**

- DV3T Rheometer
- DV2T Viscometer
- DV-I Prime Viscometer

**Accuracy: ±1.0% of range**

**Repeatability: ±0.2%**

**Electronic Gap Adjustment™**

- Simplified setup
- Accurate
- Easy-to-use

**RTD Temperature Sensor**

in Sample Cup (Optional)  
provides direct measurement of  
sample temperature

**Control Sample Temperature**

using a Brookfield circulating  
water bath (p27)

**Rapid temperature control**

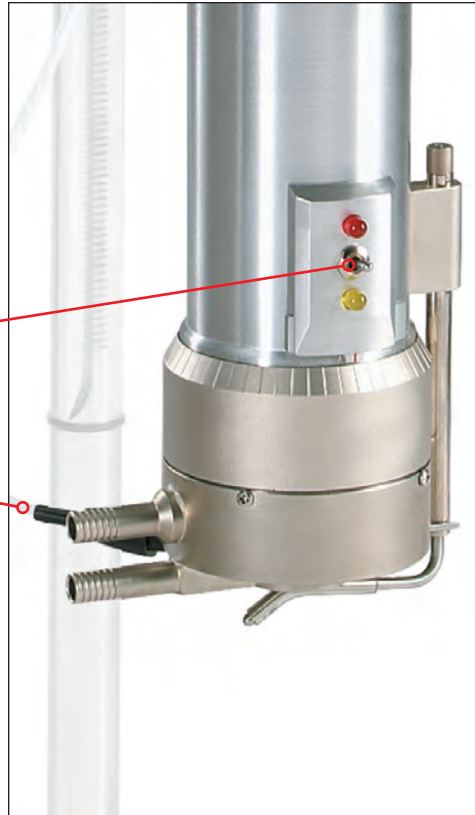
due to small sample size

**Temperature Range:**

- 1°C to 100°C

**Precise shear rates**

for determining a material's flow  
curve behavior



## What's Included?

- Instrument
- Lab Stand (p50)
- Choice of one Cone Spindle (p46)
- Sample Cup (p46)

## Optional Accessories

- Embedded Temperature Probe  
in Sample Cup (p46)
- Luer and Purge fittings
- Ball Bearing Suspension (p50)
- Additional Cone Spindles (p46)
- Viscosity Standards (p52)
- Circulating Temperature Bath (p33-35)
- RheocalcT Software ▶  
(DV3T & DV2T only)
- Wingather Software ▶  
(DV-I Prime only)
- Protective Keypad Covers (p51)

### Viscosity Range\* cP(mPa\*s)

| MODEL     | Cone Spindle: CPA-40Z<br>Sample Volume: .5mL<br>Shear Rate (sec <sup>-1</sup> ): 7.5N |           | Cone Spindle: CPA-41Z<br>Sample Volume: 2.0mL<br>Shear Rate (sec <sup>-1</sup> ): 2.0N |            | Cone Spindle: CPA-42Z<br>Sample Volume: 1.0mL<br>Shear Rate (sec <sup>-1</sup> ): 3.84N |           | Cone Spindle: CPA-51Z<br>Sample Volume: .5mL<br>Shear Rate (sec <sup>-1</sup> ): 3.84N |             | Cone Spindle: CPA-52Z<br>Sample Volume: .5mL<br>Shear Rate (sec <sup>-1</sup> ): 2.0N |             | SPEEDS     |            |           |      |
|-----------|---|-----------|--|------------|---|-----------|--|-------------|---|-------------|------------|------------|-----------|------|
|           | .1 - 3K   | .5 - 11K  | .2 - 6K  | 2 - 48K    | 3 - 92K   | .01 - 250 | 2.6K   | .2 - 3K     | .6 - 11K  | .3 - 6K     | 2 - 48K    | 4 - 92K    | .01 - 200 | 54   |
| DV3TLVCP  | .1 - 3K   | .5 - 11K  | .2 - 6K  | 2 - 48K    | 3 - 92K   | .01 - 250 | 2.6K   | .2 - 3K     | .6 - 11K  | .3 - 6K     | 2 - 48K    | 4 - 92K    | .01 - 200 | 54   |
| DV2TRVCP  | .2 - 3K   | .6 - 11K  | .3 - 6K  | 2 - 48K    | 4 - 92K   | .01 - 200 | 54   | .3 - 1K     | 1 - 3K  | .6 - 2K     | 5 - 16K    | 9 - 30K    | 0.3 - 100 | 18   |
| LVDV-IPCP | .3 - 1K   | 1 - 3K    | .6 - 2K  | 5 - 16K    | 9 - 30K   | 0.3 - 100 | 18   | 1 - 32K     | 5 - 122K  | 2 - 64K     | 20 - 512K  | 39 - 983K  | .01 - 250 | 2.6K |
| DV3TRVCP  | 1 - 32K   | 5 - 122K  | 2 - 64K  | 20 - 512K  | 39 - 983K   | .01 - 250 | 2.6K   | 1.6 - 32K   | 6 - 122K  | 3 - 64K     | 25 - 512K  | 49 - 983K  | .01 - 200 | 54   |
| DV2TRVCP  | 1.6 - 32K   | 6 - 122K  | 3 - 64K  | 25 - 512K  | 49 - 983K   | .01 - 200 | 54   | 3 - 10K     | 12 - 41K  | 6 - 21K     | 51 - 170K  | 98 - 327K  | 0.3 - 100 | 18   |
| RVDV-IPCP | 3 - 10K   | 12 - 41K  | 6 - 21K  | 51 - 170K  | 98 - 327K   | 0.3 - 100 | 18   | 2.6 - 65K   | 10 - 245K   | 5 - 128K    | 41 - 1M    | 78 - 2M    | .01 - 250 | 2.6K |
| DV3THACP  | 2.6 - 65K   | 10 - 245K | 5 - 128K   | 41 - 1M    | 78 - 2M   | .01 - 250 | 2.6K   | 3 - 65K     | 12 - 245K   | 6 - 128K    | 51 - 1M    | 98 - 2M    | .01 - 200 | 54   |
| DV2THACP  | 3 - 65K   | 12 - 245K | 6 - 128K   | 51 - 1M    | 98 - 2M   | .01 - 200 | 54   | 6.6 - 21K   | 24 - 81K  | 12 - 42K    | 102 - 341K | 196 - 655K | 0.3 - 100 | 18   |
| HADV-IPCP | 6.6 - 21K   | 24 - 81K  | 12 - 42K   | 102 - 341K | 196 - 655K  | 0.3 - 100 | 18   | 10.5 - 261K | 39 - 982K   | 20 - 512K   | 163 - 4M   | 314 - 7.8M | .01 - 250 | 2.6K |
| DV3THBCP  | 10.5 - 261K   | 39 - 982K | 20 - 512K  | 163 - 4M   | 314 - 7.8M  | .01 - 250 | 2.6K   | 13 - 261K   | 49 - 982K   | 25.6 - 512K | 204 - 4M   | 393 - 7.8M | .01 - 200 | 54   |
| DV2THBCP  | 13 - 261K   | 49 - 982K | 25.6 - 512K  | 204 - 4M   | 393 - 7.8M  | .01 - 200 | 54   | 26 - 87K    | 98 - 327K   | 51 - 170K   | 409 - 1M   | 786 - 2.6M | 0.3 - 100 | 18   |
| HBDV-IPCP | 26 - 87K  | 98 - 327K | 51 - 170K  | 409 - 1M   | 786 - 2.6M  | 0.3 - 100 | 18   |             |   |             |            |            |           |      |

M = 1 million K = 1 thousand cP = Centipoise mPa\*s = Millipascal\*seconds mL = Milliliter N = RPM e.g. Spindle CPA-40Z 7.50 x 10 (rpm) = 75.0 sec<sup>-1</sup>  
\* Dependant upon cone selected.