

### Small Sample Adapter Viscosity Ranges cP (mPa·s)

MODEL	Spindle: SC4-18 Sample Chamber:* SC4-13R(P) Sample Volume: 6.7mL Shear Rate (sec <sup>-1</sup> ): 1.32N	Spindle: SC4-31 Sample Chamber:* SC4-13R(P) Sample Volume: 9.0mL Shear Rate (sec <sup>-1</sup> ): .34N	Spindle: SC4-34 Sample Chamber:* SC4-13R(P) Sample Volume: 9.4mL Shear Rate (sec <sup>-1</sup> ): .28N	Spindle: SC4-16 Sample Chamber:* SC4-8R(P) Sample Volume: 4.2mL Shear Rate (sec <sup>-1</sup> ): .29N	Spindle: SC4-25 Sample Chamber:* SC4-13R(P) Sample Volume: 16.1mL Shear Rate (sec <sup>-1</sup> ): .22N
LVDV-IIIU	1.2-30K	12-300K	24-600K	48-1.2M	192-4.8M
LVDV-II+P	1.5-30K	15-300K	30-600K	60-1.2M	240-4.8M
LVDV-IP	3-10K	30-100K	60-200K	120-400K	800-1.6M
LVDVE	3-10K	30-100K	60-200K	120-400K	800-1.6M
LVT	5-10K	50-100K	100-200K	200-400K	800-1.6M
RVDV-IIIU					
RVDV-II+P					
RVDV-IP					
RVDVE					
RVT	Not applicable for historical reasons.				
HADV-IIIU	However, it is possible to use the above				
HADV-II+P	spindles with any of these instruments.				
HADV-IP	Digital Viscometers/Rheometers will				
HADVE	automatically calculate viscosity. Please				
HAT	contact Brookfield or an authorized dealer if				
HBDV-IIIU	you require information on viscosity range.				
HBDV-II+P					
HBDV-IP					
HBDVE					
HBT					

## Small Sample Adapter Viscosity Ranges cP (mPa·s)

MODEL	Spindle: SC4-21 Sample Chamber*: SC4-13R(P) Sample Volume: 7.1mL Shear Rate (sec <sup>-1</sup> ): .93N  Spindle: SC4-27 Sample Chamber*: SC4-13R(P) Sample Volume: 10.4mL Shear Rate (sec <sup>-1</sup> ): .34N  Spindle: SC4-15 Sample Chamber*: SC4-7R(P) Sample Volume: 3.8mL Shear Rate (sec <sup>-1</sup> ): .48N  Spindle: SC4-28 Sample Chamber*: SC4-13R(P) Sample Volume: 11.0mL Shear Rate (sec <sup>-1</sup> ): .28N  Spindle: SC4-29 Sample Chamber*: SC4-13R(P) Sample Volume: 13.5mL Shear Rate (sec <sup>-1</sup> ): .25N  Spindle: SC4-14 Sample Chamber*: SC4-6R(P) Sample Volume: 2.1mL Shear Rate (sec <sup>-1</sup> ): .40N					
<b>LVDV-IIIU</b>	Not applicable for historical reasons. However, it is possible					
<b>LVDV-II+P</b>	to use the above spindles with any of these instruments.					
<b>LVDV-IP</b>	Digital Viscometers/Rheometers will automatically calculate					
<b>LVDVE</b>	viscosity. Please contact Brookfield or an authorized dealer					
<b>LVT</b>	if you require information on viscosity range.					
<b>RVDV-IIIU</b>	20-500	100-2.5M	200-5M	200-5M	400-10M	500-12.5M
<b>RVDV-II+P</b>	25-500	125-2.5M	250-5M	250-5M	500-10M	625-12.5M
<b>RVDV-IP</b>	50-170	250-830K	500-1.7M	500-1.7M	1K-3.3M	1.25K-4.2M
<b>RVDVE</b>	50-170	250-830K	500-1.7M	500-1.7M	1K-3.3M	1.25K-4.2M
<b>RVT</b>	50-100	250-500K	500-1M	500-1M	1K-2M	1.25K-2.5M
<b>HADV-IIIU</b>	40-1	200-5M	400-10M	400-10M	800-20M	1K-25M
<b>HADV-II+P</b>	50-1	250-5M	500-10M	500-10M	1K-20M	1.25K-25M
<b>HADV-IP</b>	100-300	500-1.7M	1K-3.3M	1K-3.3M	2K-6.7M	2.5K-8.3M
<b>HADVE</b>	100-300	500-1.7M	1K-3.3M	1K-3.3M	2K-6.7M	2.5K-8.3M
<b>HAT</b>	100-200	500-1M	1K-2M	1K-2M	2K-4M	2.5K-5M
<b>HBDV-IIIU</b>	160-4	800-20M	1.6K-40M	1.6K-40M	3.2K-80M	4K-100M
<b>HBDV-II+P</b>	200-4	1K-20M	2K-40M	2K-40M	4K-80M	5K-100M
<b>HBDV-IP</b>	400-1.3	2K-6.7M	4K-13.3M	4K-13.3M	8K-26.7M	10K-33.3M
<b>HBDVE</b>	400-1.3	2K-6.7M	4K-13.3M	4K-13.3M	8K-26.7M	10K-33.3M
<b>HBT</b>	400-800	2K-4M	4K-8M	4K-8M	8K-16M	10K-20M

M=1 million K=1 thousand N=RPM e.g. Spindle SC4-18 1.32x10(rpm)=13.2 sec<sup>-1</sup> cP=centipoise  
mPa·s=Millipascal-seconds

N/A=Not applicable for historical reasons. However, it is possible to use any spindle/chamber combination with any torque range. Digital viscometers/rheometers will automatically calculate viscosity.

\*Examples  
 SC4-13R Sample Chamber  
 SC4-13RPY Sample Chamber with RTD temperature probe and cable to viscometer/rheometer  
 SC4-27 Stainless Steel Spindle  
 SC4-13RP Sample Chamber with RTD temperature probe  
 SC4-13RD-100 Disposable Sample Chamber available in packages of 100  
 SC4-27D Disposable Spindle

\*\* Disposable chamber available in 13R size and requires SC4-45YD water jacket

Note: Solid shaft spindles available: SC4-27SD, SC4-28SD, SC4-29SD. Hastelloy C available for some spindles/chambers-call for details.