

## Differences between HydroShear & HydroShear Plus

Feature	HydroShear	HydroShear Plus
<b>Automation</b>	DNA shearing step only.	Both washing procedure and DNA shearing steps.
<b>Valve</b>	Manual 4-port Part # JHSH010003	Automated 7-port Part # HSP00010
<b>Syringe</b>	Part # JHSH010002; Needs external shield tube (provided); max pressure 48 bar.	Part # HSP00007; Covered with protection plastic, can withstand stronger pressure.
<b>Integrated sample/bottle holders</b>	None	Holds three 250ml wash solution bottles, waste bottle and a sample tube.
<b>Shearing Assemblies (with part numbers):</b>	<p><b>Small</b> # JHSH204006: Fragment size 850bp to 3kb – orifice size 0.0016”</p> <p><b>Standard</b> # JHSH204004: Fragment size 1.4kb to 8 kb – orifice size 0.0025”</p> <p><b>Large</b> # JHSH204007: Fragment size 4kb to &gt;40kb – orifice size 0.0050”</p>	<p><b>Small</b> # HSP20002: Fragment size 850bp to 3kb – orifice size 0.0016”</p> <p><b>Standard</b> # HSP20001: Fragment size 1.4kb to 8 kb – orifice size 0.0025”</p> <p><b>Large</b> # HSP20003: Fragment size 4kb to &gt;40kb – orifice size 0.0050”</p>
<b>Software version</b>	HydroShear 2.0.9	HydroShear 2.0.11
<b>Design</b>	Industrial	Ergonomic
<b>Dimensions</b>	W 5” x D 10” x H 12” (W 0.13m x D 0.25m x H 0.30m)	W 8.5” x D 12.1” x H 15.2” (W 0.22m x D 0.31m x H 0.38m)
<b>Footprint</b>	50in <sup>2</sup> or 0.4ft <sup>2</sup> (30cm <sup>2</sup> )	102.9in <sup>2</sup> or 0.7ft <sup>2</sup> (70cm <sup>2</sup> )