

## CHEMISTRY HIGH VACUUM SYSTEM

Sr#	Description	Qty
1	<p><b><u>CHEMISTRY HIGH VACUUM SYSTEM:</u></b>            (Chemistry Hybrid Pump and accessories)            Combination of a two-stage rotary vane pump and a two-stage Chemistry diaphragm pump.</p> <ul style="list-style-type: none"> <li>• Number of stages 2+2 (Rotary Vane + Diaphragm)</li> <li>• Ultimate partial vacuum (abs.): <math>4 \times 10^{-4}</math> mbar</li> <li>• Ultimate vacuum (abs.): <math>2 \times 10^{-3}</math> mbar/torr</li> <li>• Ultimate Vac. (abs.) with gas ballast: <math>1 \times 10^{-2}</math> mbar/torr</li> <li>• Max pumping speed at 50/60 Hz: <math>5.9/6.9 \text{ m}^3/\text{h}</math></li> <li>• Water vapor tolerance with gas ballast : <math>&gt;&gt;40 \text{ mbar}</math></li> <li>• Ambient temperature range (operation): <math>12 - 40^\circ\text{C}</math></li> <li>• Ambient temperature range (Storage): <math>10 - 60^\circ\text{C}</math></li> <li>• Max back pressure (abs.): <math>1.1 \text{ bar}</math></li> <li>• Inlet connection: small flange KF DN 16</li> <li>• Outlet connection: hose nozzle DN 8-10mm</li> <li>• Coolant connection: 2 x hose nozzle DN 6-8mm</li> <li>• Rated motor power kW 0.37</li> <li>• Rated motor speed at 50/60 Hz <math>\text{min}^{-1}</math> 1500/1800</li> <li>• Protection class IP 40</li> <li>• Noise level at 50 Hz, typ, dBA 50</li> </ul> <p>Pump to be supplied as completely mounted, ready to use after oil filling (and 1L oil extra) with manual.</p> <p><b>Efficient solvent recovery system must be incorporated with the vacuum system</b>            (Vacuubrand XTPC 8)            Model: Vacuubrand Chemistry pumping unit PC 8/RC 6 (20698570)            OR Equivalent            Made in Germany</p> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>• Digital fine vacuum control package KF</li> <li>• DN 16 (Vacuubrand 20700100 OR Equivalent)</li> <li>• PTFE: tubing KF DN 16 (1000 mm)</li> <li>• Vacuubrand 20686031 OR Equivalent</li> <li>• Stainless steel tubing KF ON 16 (1000mm) Vacuubrand 20673336 OR Equivalent</li> <li>• Filter element oil mist filler RC (Vacuubrand 20610187 OR Equivalent)</li> <li>• Rubber vacuum tubing DN 8 mm (2meter) (Vacuubrand 20686001 OR Equivalent)</li> <li>• Small flange KF DN 16 with hose nozzle DN 8-10 mm</li> <li>• Operating Voltage = 220 Volts</li> </ul>	One
<p><b><u>Notes:</u></b>  <b>a.</b> Make: Only Made in UK, USA, Germany, Switzerland, or France</p>		