

Modes of operation	<ul style="list-style-type: none"> The pendant systems Navigator Lift™ 180 Single, Navigator Lift™ 180 AirPlus – Single, Navigator Lift™ 180 Dual, Navigator Lift™ 180 Friction – Single, Navigator Lift™ 180 Friction – Dual, Navigator Lift™ 180 AirPlus – Dual, Navigator Lift™ XL 180 Dual are suitable for continuous operation.
Duty cycle of the electromagnetic brakes	<ul style="list-style-type: none"> The maximum duty cycle of the electromagnetic brakes must not exceed 1 minute. If the electromagnetic brakes are actuated over a longer period of time, the power pack can switch off automatically as a protection measure against overheating. Once the power pack has switched off, it must cool down for 10 minutes and then be disconnected from the mains for 10 seconds before being switched back on again. Normal system operation can only be resumed afterwards.
Rating plate	<ul style="list-style-type: none"> The rating plates are attached to the top side of the extension arm or XL extension arm and under the front cover of the spring arm (see Chapter 2.4 on page 17).
Dead weight of the pendant system*	<p>Spring arm 1015mm 71kg</p> <p>Extension arm 600mm with spring arm 1015mm 96kg</p> <p>Extension arm 800mm with spring arm 1015mm 99kg</p> <p>Extension arm 1000mm with spring arm 1015mm 102kg</p> <p>Extension arm 1200mm with spring arm 1015mm 105kg</p> <p>XL extension arm 600mm with spring arm 1015mm 112kg</p> <p>XL extension arm 800mm with spring arm 1015mm 117kg</p> <p>XL extension arm 1000mm with spring arm 1015mm 122kg</p> <p>XL extension arm 1200mm with spring arm 1015mm 127kg</p> <p>XL extension arm 1400mm with spring arm 1015mm 132kg</p> <p>XL extension arm 1600mm with spring arm 1015mm 137kg</p> <p>* Without gas hoses and supply cables inserted, without ceiling or Drop tube and without optional accessories.</p>
Dead weight of the ceiling tube for the extension arm	<p>Flange 6kg</p> <p>Steel tube 24kg/m</p>
Dead weight of the ceiling tube for the XL extension arm	<p>Flange 7.5kg</p> <p>Steel tube 31.7kg/m</p>
Dead weights of the bearing units on the Drop tube	<p>Bearing Unit Friction (slide bearing) 5kg</p> <p>Bearing Unit Friction (roller bearing) 13kg</p> <p>Bearing Unit E-Brake 14kg</p>
Dead weight of the Drop tube	<p>Drop tube 8kg/m</p>

<p>Maximum loading capacity on the pendant system</p> <p>Navigator Lift™ 180/Navigator Lift™ 180 Friction – Single arm</p> <p>Navigator Lift™ 180/Navigator Lift™ 180 Friction – Dual arm</p> <p>Navigator Lift™ 180 with extension arm XL</p> <p>Maximum loading capacity with different spring equipment versions</p> <p>Electrical data</p> <p>Noise level</p> <p>Brake torque</p> <p>Manual forces</p> <p>Protection class / type</p> <p>Medical Device Directive 93/42/EEC</p> <p>Applicable standards, laws and directives</p> <p>Approvals of the standard equipment</p>	<p>Spring arm 1015mm 180kg</p> <p>Extension arm 600mm with spring arm 1015mm 180kg</p> <p>Extension arm 800mm with spring arm 1015mm 170kg</p> <p>Extension arm 1000mm with spring arm 1015mm 150kg</p> <p>Extension arm 1200mm with spring arm 1015mm 130kg</p> <p>XL extension arm 600mm with spring arm 1015mm 180kg</p> <p>XL extension arm 800mm with spring arm 1015mm 180kg</p> <p>XL extension arm 1000mm with spring arm 1015mm 180kg</p> <p>XL extension arm 1200mm with spring arm 1015mm 180kg</p> <p>XL extension arm 1400mm with spring arm 1015mm 180kg</p> <p>XL extension arm 1600mm with spring arm 1015mm 180kg</p> <p>Possible spring equipment versions . 22 – 40, 30 – 60, 50 – 80, 70 – 110, 80 – 135, 120 – 180kg</p> <p>Rated voltage AC 100-240V</p> <p>Rated frequency 60 / 50Hz</p> <p>Rated output 220W</p> <p>Indirect extension arm lighting DC 12V</p> <p>2 / 4 lighting boards (supply voltage 12V DC, 2 lighting boards each connected in series to 24V DC)</p> <p>Sound energy level 65db (A) (EN ISO 3746) not exceeded</p> <p>Brake torque with the electromagnetic brake actuated on the spring arm... approx. 70Nm</p> <p>Brake torque with the electromagnetic brake actuated on the extension arm and on the spring arm approx. 70Nm / approx. 70Nm</p> <p>Brake torque with the electromagnetic brake actuated on the XL extension arm and on the spring arm approx. 150Nm / approx. 70Nm</p> <p>Dynamic torque with the electromagnetic brake released depending on the position and payload 3.5 to 40Nm</p> <p>Protection class in accordance with IEC 60601-1..... I</p> <p>IP classification in accordance with IEC 60529 IP 20</p> <p>Classification..... I</p> <ul style="list-style-type: none"> • Medical Devices Act (MPG) • 93/42 EEC (Medical Device Directive) • IEC 60601-1 – Medical Electrical Equipment – Part 1: General Requirements for Basic Safety and Essential Performance. <ul style="list-style-type: none"> • Recognised UL component.
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Approved adaptations	<p>The following Nuvo products are approved as adaptations to the pendant system:</p> <ul style="list-style-type: none"> • Chapter 15, “Approved Nuvo Products”, on page 54, • Chapter 16, “Optional Accessories”, on page 54, • Chapter 17, “Possible Combination with Third-Party Products”, on page 54: – The components are adapted to each other and safe to operate. Any other type of installation, and in particular the use of components from third-party manufacturers, is strictly prohibited because these components can be potential sources of danger. – The combination of any other Nuvo product with the pendant system must be approved by Nuvo Surgical. If applicable, the conformity assessment must be repeated.
Read the Operating Instructions for combined medical products	<ul style="list-style-type: none"> • The pendant system can be equipped with adaptations and end devices from third-party manufacturers. To prevent dangerous overload, which can damage or lead to a collapse of the pendant system, the maximum load bearing capacity specified in Chapter , “”, on page 45 must be adhered to: – The party placing the appliance into operation is responsible for the validation of the overall system. A conformity assessment procedure shall be executed if required and a declaration in accordance with Article 12 of 93/42/EEC (Medical Device Directive, MDD) shall be provided. – Read the Operating Instructions provided by the third-party manufacturer and in particular the relevant pages with information on the operation of the end device.