

# humanfactor

seating solutions

## HF 4 Series: System Cpod® : Designed to work with you

**A high end ergonomic office chair designed to provide the best possible extended seating comfort and support.**

The HF 4 Series System Cpod® uses elastomer (elastic) mesh to hybrid with its patented back adjustment system to provide self adjusting resistance resulting in optimal comfort and support unlike any other chair in the world.

Designed and engineered to allow the appropriate amount of flex without sacrificing support. Intelligent detailing of the frame shape and profile, along with rigorous material testing and selection, has created a truly 3 dimensional dynamic movement system. The interchangeable disc system has 3 semi-rigid pivot points between the chair frame and the chair spine. This allows for additional flex and give in the chair back when a user twists or reaches.

### Engineered to support

System Cpod® Dynamik® has a back system that has been set scientifically to a level of ideal spinal support. As the user moves in the chair or changes position, resistance through the hybrid system comprising of the elastomer mesh and the patented back adjustment system changes to provide increased or decreased support. This eliminates the need for constant back support adjustments.

This patented hybrid technology gives the System Cpod® the unique feature of being the only "Sit and Use" Back Support system in the world. Whilst the "Sit and Use" feature provides support necessary for most users, some fine turning may be done by using the in-built ratchet adjustment system. You should consider using the adjustment system only once and leave it set in the desired position.



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five year guarantee

v

v-foam pressure sensitive foam



ProBax  
Advanced Seating Technology



**At the heart of every System Cpod®**

The System Cpod® back adjustment offers a combination of positions to fine tune your comfort and support should you need to do so. This adjustment takes place in 5 key zones of the back. In addition, the position of the 5 zones can be changed by moving the frame of the back up or down using the back height adjustment system. The combination of these adjustment features provide precise support from the sacral area (below the belt line) right to the upper thoracic (shoulder) area. Support at the sacral area is vital in supporting the natural forward tilt of the pelvis. This support translates in aligning the spine and preventing slumping. Unlike other sacral support systems and pads in chairs that fill the void between the lower back and the seat of the chair, the System Cpod® support is unique as it provides support to fit each unique shape and offer the right amount of support as required.

**Patented Mesh**

The mesh that is used on the System Cpod® Dynamik® back is a knitted elastomer mesh. It is softer and has elastic properties unlike the more popular woven mesh used in other types of mesh chairs. The knitted mesh provides a level of comfort and feel comparable if not better than fabric with the added benefits of ventilation.

**HF 4 Series System Cpod® measurements in mm.**

Overall height of chair from ground MIN	1060
Overall height of chair from ground MAX	1255
Back height from seat MIN	630
Back height from seat MAX	700
Back width	495
Height of arm-pad from seat*	160-260
Diameter of 5-star base	685
Seat height from floor MIN†	430
Seat height from floor MAX†	555

<b>Seat Type</b>	<b>S</b>	<b>M</b>	<b>SW</b>	<b>W</b>
Seat depth: lumbar to front (min)	385	425	385	440
Seat depth adjustment	55	55	55	55
Seat width maximum	475	510	570	570
Inner distance between armrests*	425	460	465	465
Outer distance (Total chair width)*	635	670	730	730

† Seat measurements assume that the seat foam is depressed with a 64kg occupant in accordance with ISO EN1335.

\* Measurements depend on armrest choice



**Dynamic movement**

An adjustable disc system similar to the spinal disc has been incorporated into the chair design to allow 3 dimensional movements with the user. The dynamic disc system is located between the frame of the chair and its central reverse Y fork. This allows for low resistance movement for turning at the shoulder where 1 disc is located and increased resistance at the lumbar sacral region where there are 2 discs. The increased resistance at the lumbar sacral region is to prevent back injuries as a result of twisting motions. If there is a need for reduced movement in the back, this can be achieved by simply tightening the assembly where the discs are located. This unique system works without the user knowing the chair is adjusting itself automatically to body movements.

**Environmental**

HF 4 Series System Cpod® has embarked on a goal to upcycle the components in its chair. Upcycling is the practice of taking something that is disposable and transforming it into something of greater use and value. All 40+ components that constitute the Cpod® Dynamik® back are fully recyclable and meet the highest standards for environmental sustainability. Recycled components have been used in plastics up to the maximum limit which will not affect the strength of the chair. The choice of plastics has been limited to those that produce no adverse environmental effects. Plastics with low or no emissions have been used to ensure environmental and personal health best practice. The System Cpod® Dynamik® uses environmentally friendly solutions that don't use toxic paints and colouring agents and yet produce aesthetic appeal.