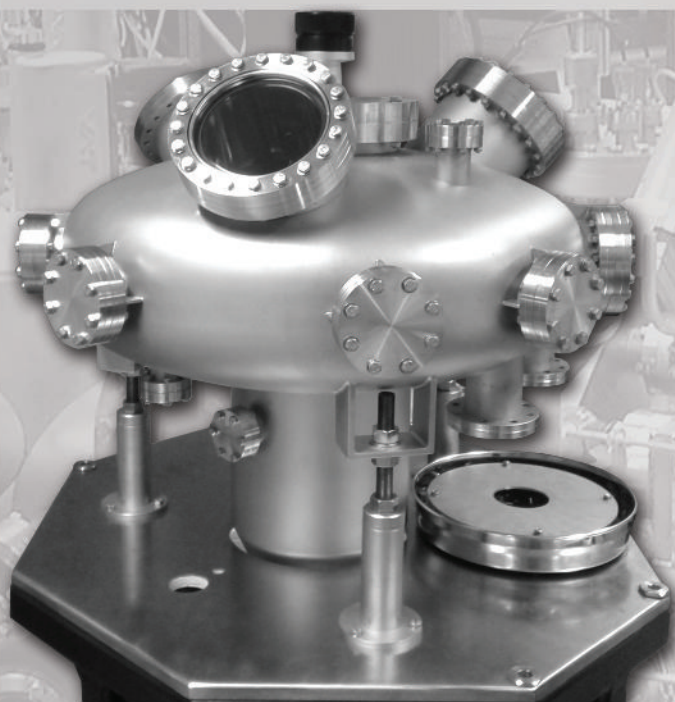




Surface Analysis and Vacuum Technology

UHV Radial Distribution Chamber with telescopic transfer arm

RDC 820



**The OmniVac
RDC 820 Radial Distribution Chamber
with telescopic transfer arm**
is the central element of our
multichamber UHV-systems



■ preparation

■ storage

■ analysis

■ 820 mm z-transfer

■ 700 mm RDC chamber diameter

■ full 360 support

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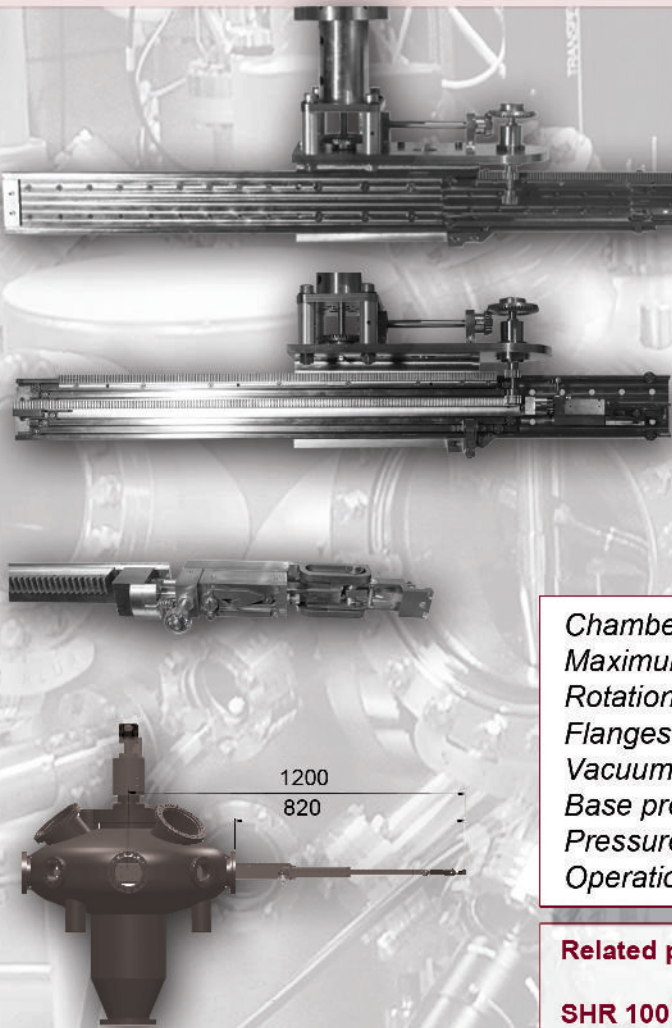
It provides access to multiple chambers for e.g. preparation, storage or analysis.

The **RDC 8200** distribution chamber has a diameter of 700 mm and offers a translation distance to each sample holder station in the different chambers of up to 820 mm.

For sample holder reception and fixation, a carabiner mechanism is used, enabling safe and reliable transfer of your samples.

Under standard conditions a transfer can be performed in less than one minute.

Up to three DN 150 CF view ports provide full optical insight to all phases of the sample transfer process.

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- ▶ 820 mm z-transfer
 - ▶ 700 mm RDC chamber diameter
 - ▶ full 360° rotation
 - ▶ automatic rotation at each exit port up to 270° possible
 - ▶ two rotational feedtroughs, where only one is active during motion
 - ▶ fast and reliable locking mechanism for flagstyle and others sample holder

<i>Chamber diameter</i>	700 mm
<i>Maximum z-transfer</i>	820 mm
<i>Rotation</i>	360°
<i>Flanges</i>	DN 100CF, DN 150CF
<i>Vacuum pump</i>	Ion getter pump/TSP
<i>Base pressure</i>	$< 2 \times 10^{-10}$ mbar
<i>Pressure during transfer</i>	$< 1 \times 10^{-9}$ mbar
<i>Operation</i>	manual or motorized

Related products:

SHR 100 Sample Holder Receiving Station
SH Sample Holder series
RDC 700 / RDC 800 / RDC 900



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