Reflux divider according the illustration above are suitable for feed flows up to 10,000 l/h, which need to be splitted into two liquid streams with respect to pressure equilibration.

Therefore, the feed flow is fed onto a so-called swivel funnel and from there - according to the position of the swivel funnel – splitted into two separate zones with two side nozzles by a separation wall in the reflux divider.

Due to the NORMAG-Design with exchangeable trapezial outlet opening of the funnel and the space minimized feed and outlet nozzle design is a precisely adjustable reflux ratio and a specially wide operation range possible. The deaeration respectively pressure equilibration is made via the feed nozzle.

As a special solution for extremely small available heights is a add-on flange version onto the distillate outlet nozzle of customers condenser possible.

- reflux divider: Feed flow up to 10,000 l/h, hermetically sealing by adaption with magnetic coupling, pneumatic positioner wind end position dampening
- standard material: 1.4571
- gaskets: PTFE, FEP
- slide bearing: graphite, PTFE
- standard permitted conditions: -20 / +150 °C
- -1 / +6 barg
- flange connections: EN 1092-1, PN 10
- Directives: PED 97/23 EG
- TA Luft-certificates
### Artikel codes and dimensions:

<table>
<thead>
<tr>
<th>description</th>
<th>Art.No.</th>
<th>DN</th>
<th>DN 1</th>
<th>DN 2</th>
<th>Feed [l/h]*</th>
<th>L [mm]</th>
<th>H [mm]</th>
<th>B [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reflux divider external DN 80</td>
<td>AERM 080</td>
<td>80</td>
<td>50</td>
<td>25</td>
<td>Up to 500</td>
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<td>Up to 1.000</td>
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</tbody>
</table>

**remarks:**

- DN = reflux divider
- DN 1 = Feed
- DN 2 = outlet distillate or reflux
- H = distance feed flange to outlet flange
- L = distance between the two outlet flanges
- * Feed flow based on water at 20 °C

**Options:**

- sight glass
- corrosion resistant design in special materials
- ATEX-version for EX-Zone 1/2, IIB, T4 or EX-Zone 2/2, IIB, T4
- special flange types and diameters,
  - for example for the direct connection onto the distillate outlet of a condenser
- temperature sensor
- position contact, 3/2-way magnetic valve and safety position of the pneumatic drive
- insulation
- temperisation jacket
- electropolished surfaces
- material certificates according pressure equipment directive
- FDA-material certificate