

***DUPLEX BOWL
CENTRIFUGE
TYPE DTZ***

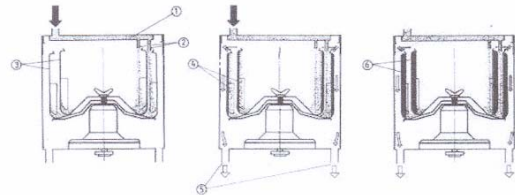
*For the filtration of
water-mixed coolants
and machining oils*



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Flowrate per module unit, maximum 100l/min at 1.2°E.

The flowrate and the degree of clarity which can be obtained depend on the viscosity of the liquid and the type of contamination in the fluid.

CONSTRUCTION:

The Duplex Bowl Centrifuge operates in the low speed range and gives excellent efficiency with a large capacity for the contamination. Due to the modular construction, parallel operation of several units is possible.

To reduce the cycles for cleaning the bowls, pre-separation by magnetic drum, paper roll filter etc., is available.

FUNCTION:

Contaminated liquid enters the centrifuge via inlet distributor⁽¹⁾, then the liquid is directed to the bottom⁽³⁾ of the bowls by the injection nozzles⁽²⁾.

Inside, mounted blades⁽⁴⁾ accelerate the liquid up to the same speed as the rotating bowl. The liquid is pressed on to the vertical walls of the bowls by the centrifugal force. Each of the bowls works independently from the other.

The cleaned liquid overflows from the top of the bowls and is thrown against the insides of the centrifuge casing from where it returns into the clean tank⁽⁵⁾.

The filtration operation results in a filter cake building up on the inside walls of the bowls⁽⁶⁾.

TECHNICAL DATA TYPE DTZ:

<i>Filter Capacity</i>	<i>100l/min at 1.2°E</i>
<i>Capacity for Sludge in Duplex Bowls</i>	<i>12litres</i>
<i>Speed of Bowls</i>	<i>725rpm</i>
<i>Power</i>	<i>0,75kw</i>
<i>Voltage</i>	<i>380v, 50 cycles or 415v, 50 cycles</i>
<i>Max. Centrifugal Acceleration</i>	<i>1040 to 1300m/S²</i>