

## The Automatic Cooling Circuit for better Productivity Voith Fluid Couplings with ACC



Voith Turbo has developed ACC for fill-controlled couplings in AFC drives. It features a newly designed fluid circuit and a new valve unit. This product option helps to boost productivity in coal mining. The ACC is suited for new units as well as for retrofitting for existing couplings. Advantages for you:

### Increased reliability

- 60 % fewer moving parts in the ACC valve unit
- Improved ACC valve unit prevents limestone deposits in the valve itself
- No fill level monitoring necessary

### Ensure productivity

- The ACC prevents unintentional draining of the couplings and therefore prevents damage and drops in power transmission
- The coupling always runs with optimal water fill level, even with sub-optimal water supply – a stable and high power transmission is thereby ensured
- The coupling is always filled in the most effective manner. Unlimited start-up attempts are thereby better facilitated.

### Improved ease of use

- Temporary fluctuations of water flow-through during nominal operation can be up to 75 % better compensated than with the existing standard configuration
- Less complex requirements for control equipment and operator qualification lead to lower installation and operating costs

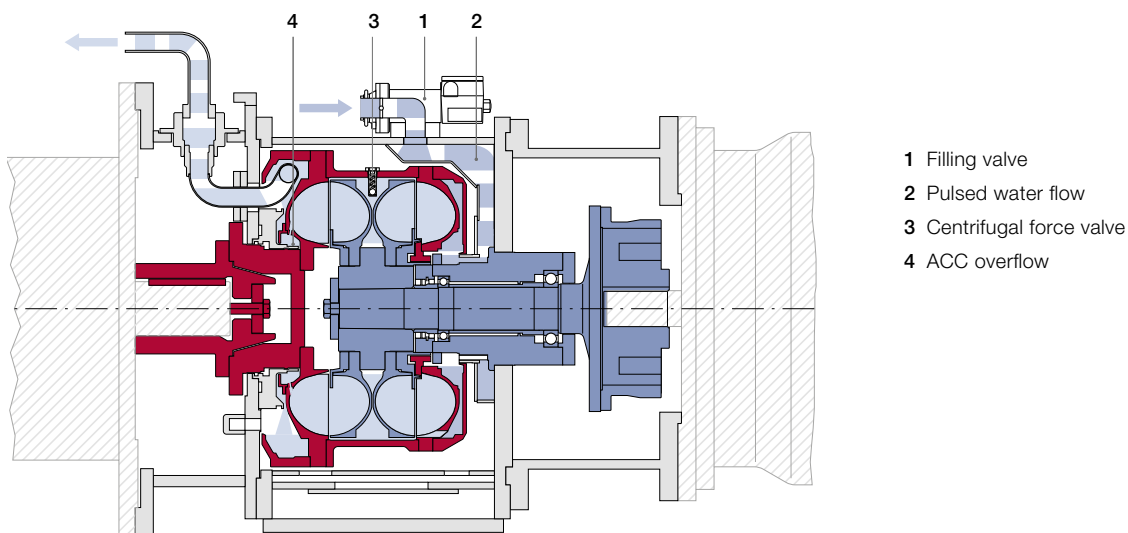
### Easy maintenance of water circuit

- The weight of the new valve unit is approximately 80 % lower than the existing valve unit. This means that when necessary one person alone can change the ACC valve unit within a few minutes.
- Opening the valve is possible without completely dismantling the ACC valve unit
- Compared with the standard configuration, ACC reduces the maintenance effort by up to 10 hours per month

### Technical data

Type	Power at 1 500 rpm	Maximum torque	ACC available
562 DTPKWL2-1000	1 000 kW	15 500 Nm	Yes
CPC 1200	1 200 kW	18 000 Nm	Yes
CPC 1600	1 600 kW	23 500 Nm	Yes

### ACC schematic



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