

Virgin Pulp	Graphic/ Speciality				Centrifugal Cleaning					
Recovered Paper	Board & Packaging	Raw Material Handling	Pulping	Screening		Deinking	Washing Dewatering	Fiber treatment	Approach Flow System	Water, Sludge, Reject
Broke + Approach Flow System		Tissue								
ProEnergy ++		ProQuality +	ProCapacity ++		ProYield +++	ProSpace ++		ProEnvironment +		

## HiPRO Protector System for Centrifugal Separation

### Optimal protection for your stock preparation

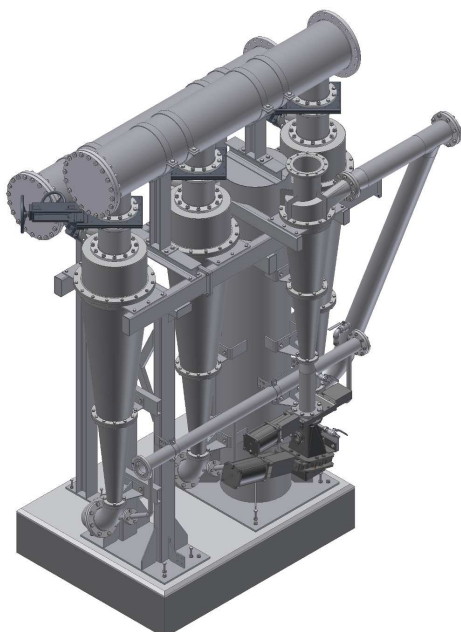
This product offers early separation of specifically heavy impurities from pulp suspensions in recovered paper and fresh fiber preparation systems within a stock consistency range of up to 4.5%.

+ Two-stage high-consistency cleaning system with continuous reject removal in the first stage for maximum separation effectiveness and optimal wear protection of downstream machines and system parts.

HiPRO™ Protector System has already proven to be effective in many stock preparation systems. These machines are installed before the coarse screening system and effectively remove particularly heavy contaminants from the pulp suspension, thus disburdening the downstream coarse screening system.

#### Customer benefits

- + Minimal contaminants in the accepts
- + Minimal fiber loss
- + Hydraulically optimized machines with optional full ceramic lining of the conical area for maximum service life, even with severely abrasive raw materials
- + Minimal maintenance and adjustment outlay due to operation without intermediate pump and with a single trap
- + Minimal wear of the valve due to the hydraulically optimized fiber recovery unit in the second stage
- + Compact, modular design for flexible adaptation even in tight spaces



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1 HiPRO Protector System 3D model

2 HiPRO Protector System installation



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**Areas of application**

Separation of specifically heavy contaminants from pulp suspensions in recovered paper and fresh fiber preparation systems within a stock consistency range of up to 4.5%.

Can be used for all paper grades with all basis weights.

**Sizes**

HiPRO400B-2.1  
 HiPRO600B-2.1 / HiPRO600B 3.1)

Size	400B-2.1	600B-2.1	600B-3.1
Machines in the first stage	2 (HiCC600B)	2 (HiCC600B)	3 (HiCC600B)
Machines in the second stage	1 (HCC170 / HiCC400B)	1 (HiCC400B)	1 (HiCC400B)
Max. intake pressure	6 bar		
Max. operating temperature	70°C		
Max. intake volume flow	15,400 l/min	28,000 l/min	42,000 l/min
Max. intake stock consistency	2% - 4.5 %		

**Options and possible combinations**

Installation of a sedimentation tank between the first and second stage. This would noticeably lengthen the service life of the second stage.

**Maintenance intervals and services**

Depending on the reject quantity and its composition, it may be necessary to replace the separation cones from time to time.

**References**

Over 60 protector systems are installed worldwide.

**Further Information**

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- Link to product finder:  
[www.voith.com/paper](http://www.voith.com/paper)