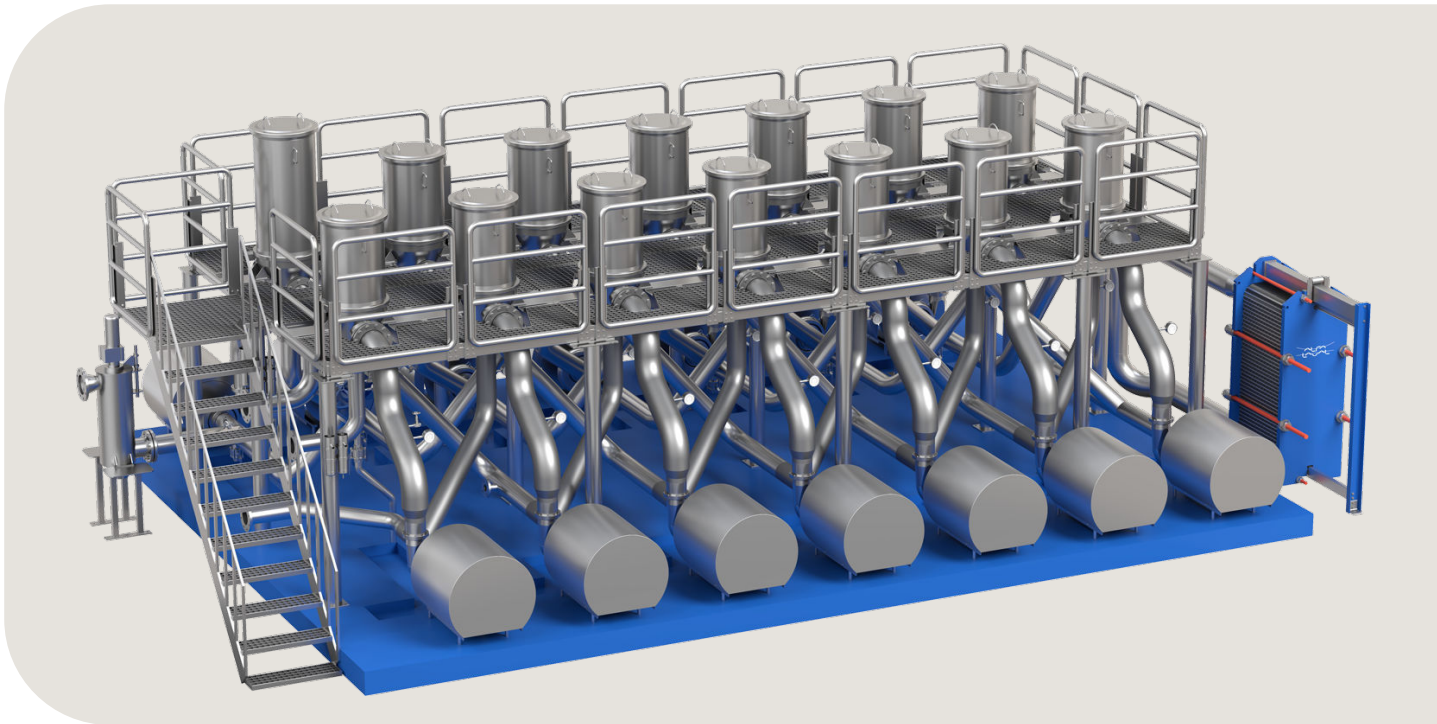


# Alfa Laval Starch washing multicyclone system type RH

## Purification of starch slurries



### Introduction

The multistage starch washing system purifies and concentrates the starch slurry that is obtained after the starch or protein separation.

### Applications

- Corn based starch processing
- Wheat based corn processing.

### Benefits

- Optimum flow distribution resulting in uniform, high-quality starch product
- Modular, manifold design with unique expansion capability
- Higher process density
- Minimum space requirements
- Easy maintenance resulting in low maintenance costs
- Easy replacement resulting in less down-time.

### Design

The radial cyclone arrangement has become the preferred method to manifold large numbers of 10 mm cyclonettes, because of the small amount of floor space required and the

superior hydraulics within the housing. Capacities up to 390 m<sup>3</sup>/h (1717 gal/min) are processed in only 0.9 m<sup>2</sup> (10 ft<sup>2</sup>). This compact arrangement is achieved by stacking the individual cyclonettes on top of each other. The starch washing system RH can be supplied with one, two or three cyclone sub-assemblies, each containing up to 450 individual cyclonettes.

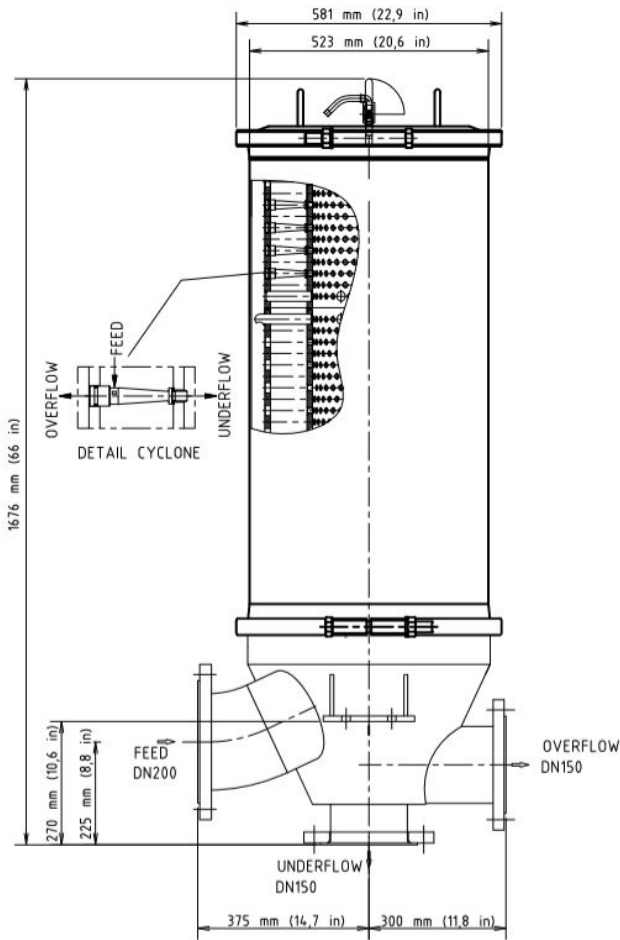
The cyclonettes are made as a one-piece assembly with a preinstalled vortex finder. This facilitates the installation and removal of the cyclonettes and reduces the maintenance time required for servicing the unit. However, the vortex finder can still be removed to allow for cleaning and inspection.

The base of the housing contains the feed, overflow and underflow connections. All three connections are located below the platform, which makes the space above free of piping, thus facilitating service and maintenance.

The starch washing system housings are made of stainless steel as are the support frame and the interconnecting piping.

The cyclonette gaskets and O-rings are available in NBR and Viton/FPM and are in compliance with EC 1935 and FDA.

## Dimensional drawing



	RH 450	RH 675	RH 900	RH 1350
Height (Approx. L) in mm (inches)	976 (38)	1126 (44)	1326 (52)	1676 (66)

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