



Alfa Laval Food grade cyclonettes

Corn based starch production

Introduction

Alfa Laval food grade cyclonettes are designed for starch washing.

Separation takes place by inducing rotation of the feed when entering the cyclonette, generating a g-force for rapid and accurate particle separation.

Benefits

- High separation efficiency
- Long operational lifetime
- Low maintenance cost.

Application

Cyclonettes are primarily used in starch washing systems with 6 to 14 multicyclone stages. Each multicyclone stage contains several cyclonettes working in parallel.

The cyclonettes are also used in multicyclone systems for concentration, clarification and classification of starch suspensions.

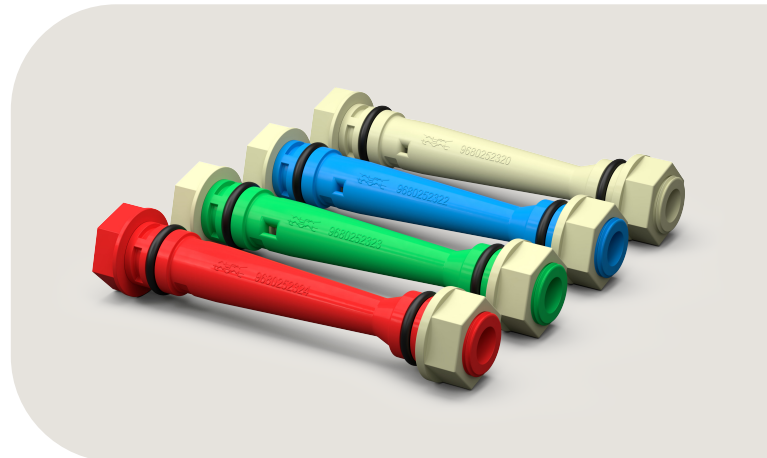
Design

The cyclonette is designed for the Dorr—Oliver multicyclones and other multicyclones of similar design with cyclonettes installed in a parallel pattern.

The cyclonette has a threaded connection for the overflow nipple with vortex finder. The cyclonette is fixed in the grid plate by a nut fitted at the apex end.

The cyclonette is made of food grade nylon and meets the requirements of EC 1935/2004 and FDA regulations 21 CFR.

The cyclonette NBR O-rings are in compliance with EC 1935 and FDA.











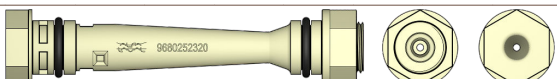
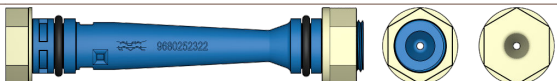


Technical data

Average capacity for normal separation with 65 PSI pressure loss between feed and overflow at 35°C for corn

Type A	1.19 gpm of 10° Bé starch milk
Type B	1.09 gpm of 10° Bé starch milk
Type A high capacity	1.56 gpm of 10° Bé starch milk

Cyclonettes shall be installed with 40–45 inch-lbs torque.

Technical data

Cyclonette type		Item number
Type A food grade cyclonette body		9680252320
Type B food grade cyclonette body		9680252322
Type A high capacity food grade cyclonette body		9680252323
Blind food grade cyclonette body		9680252324
Nut A, B, A high capacity and blind		9680252327
Overflow nipple A, B and A high capacity		9680252325
Blind overflow nipple		9680252326
O-ring, NBR		9680255059
Type A food grade cyclonette assembly		9680252360
Type B food grade cyclonette assembly		9680252361
Type A high capacity food grade cyclonette assembly		9680252363
Blind food grade cyclonette assembly		9680252365

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