

Alfa Laval cyclonette PC10 and RC10

Corn- and wheat based starch production

Introduction

Cyclonettes type PC10 and RC10 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.

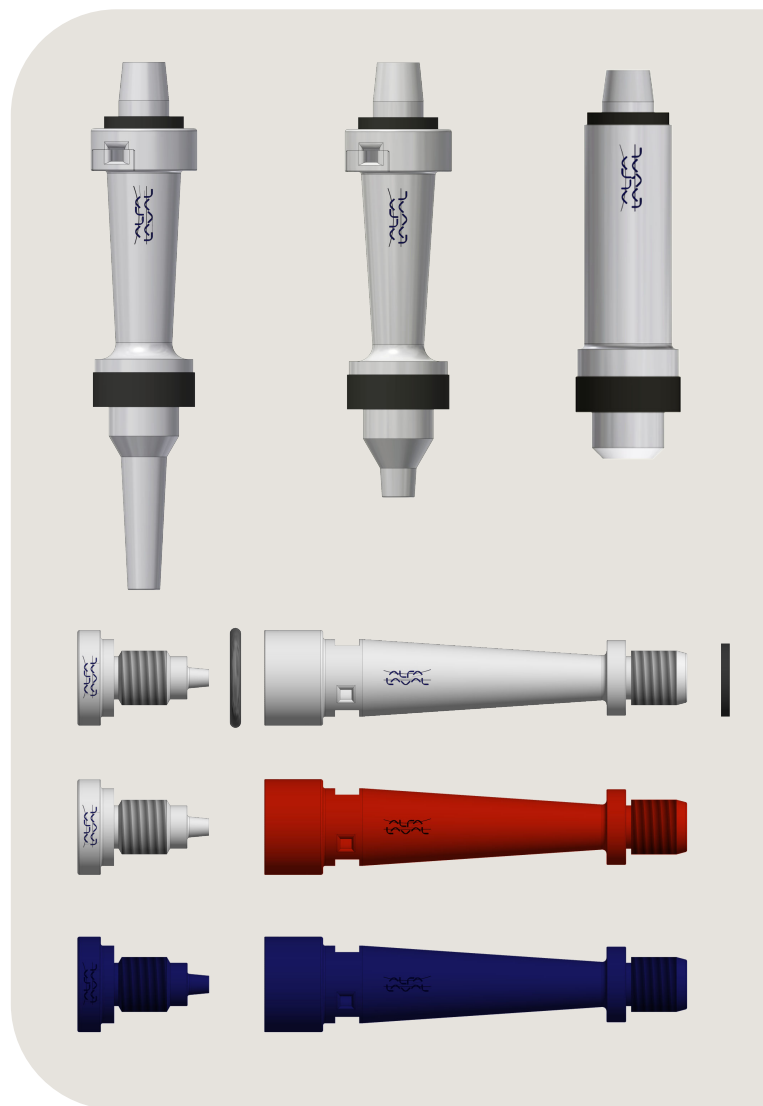
Design

The PC10 cyclonette is designed for Alfa Laval's PH multicyclones with cyclonettes installed in a parallel pattern. The cyclonette has an overflow nipple with vortex finder, that fits over the top of the cyclonette body. The PC10 cyclonette is fully interchangeable with the cyclonettes for Dorr-Oliver multicyclones type TM.

The RC10 cyclonette is designed for Alfa Laval's RH multicyclones with cyclonettes installed in a radial pattern. The cyclonette has a threaded apex end and a threaded connection for the overflow nipple with vortex finder. The RC10 cyclonette is fully interchangeable with the cyclonettes for Dorr-Oliver radial multicyclones type RC.

The PC10 and RC10 cyclonettes are made of food grade nylon and meets the requirements of EC 1935/2004 and FDA regulations 21 CFR.

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

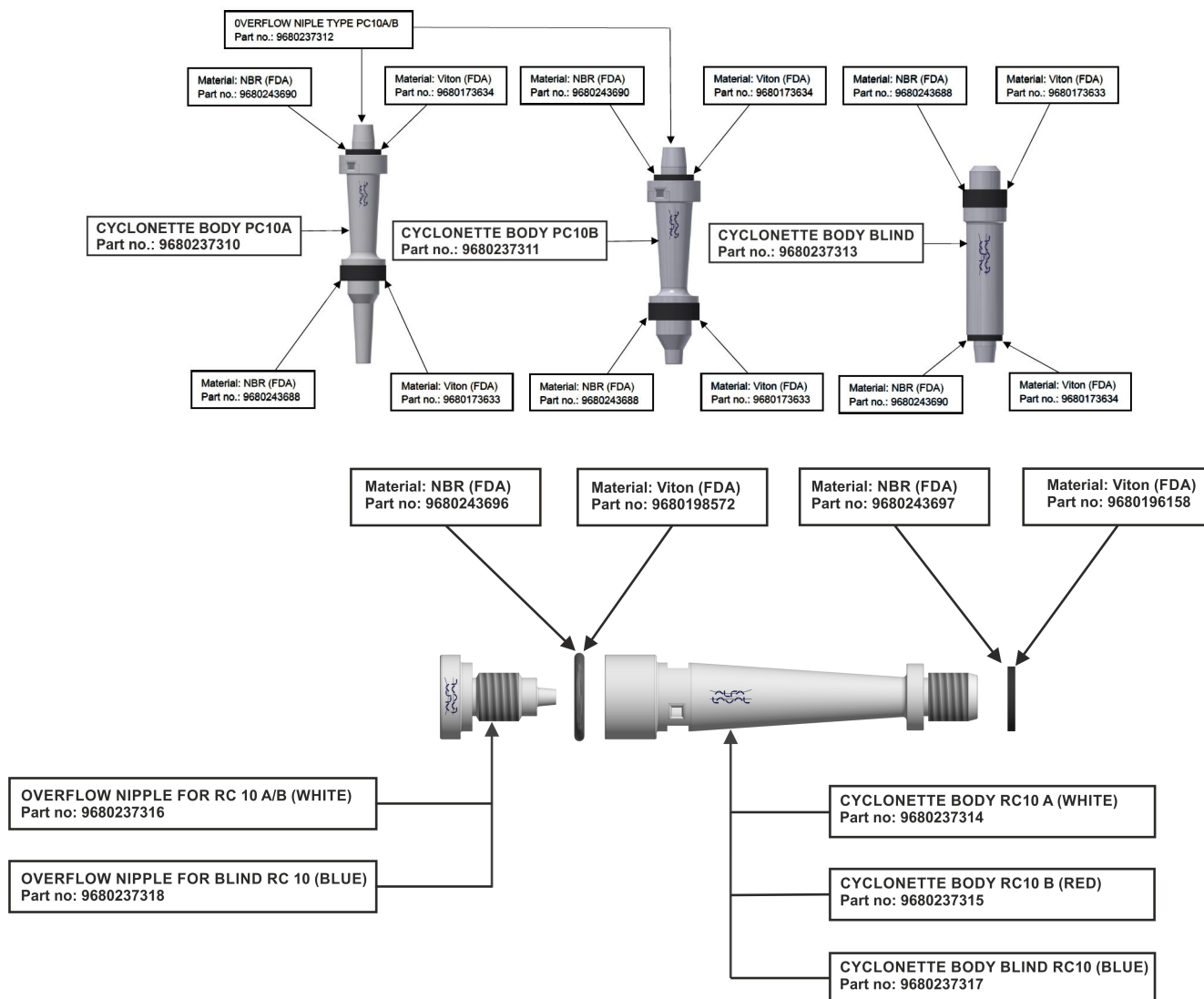


Technical data

Average capacity for normal separation with 4.5 bar pressure loss between feed and overflow at 25°C for corn

PC10A and RC10A	290 l/h of 10° Bé starch milk
PC10B and RC10B	276 l/h of 10° Bé starch milk

RC10 cyclonettes shall be installed with 3 – 5 Nm (2.2 – 3.7 lb-ft) torque.



Item numbers for assembled cyclonettes complete with gaskets and o-rings

	NBR	Viton/FPM
PC10A	9680243691	9680243491
PC10B	9680243692	9680243493
PC10 Blind	9680243694	9680243494
RC10A	9680243792	9680243496
RC10B	9680243793	9680243497
RC10 Blind	9680243794	9680243498

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