RR300 Clean

Control particles and pressure

CleanPro®

CONTROL PARTICLES

RR300 Clean. Minimize cleanroom risk with maximum particle and pressure control.

The RR300 Clean helps you gain greater control over particle concentration and air changes while maintaining stringent cleanroom requirements, including ISO Class 5 (US Federal Standard 209E Class 100) and GMP Class C.

Higher performance, lower costs

A near air tight seal, which minimizes pressure drop, combines with fast speeds that can reduce cleanroom energy and filtration costs.

- Fast opening and closing speeds of up to 80˝ per second control air exchange and reduces contaminants.
- The stainless steel design simplifies cleaning by eliminating particle accumulation, and helps maintain GMP Class C and ISO Class 5.

Increase safety and productivity

The RR300 Clean helps prevent lost-time accidents with reliable and intuitive safety features.
- Contactless safety edge prevents accidents even under high speeds; traveling photocells detect objects at any door position and immediately reverse door to the open position.
- Optional contactless actuator - a simple wave of a hand opens the door in a faster, more hygienic way. Optional safety system in the case of a power outage provides up to four hours of standby and operation.

FDA certified PVC door panel
Transparent vinyl plus polyester monofilament woven double layer for greatest visibility and strength.

Door design
Stainless steel side frame, motor and roll cover, and bottom profile simplify cleaning and eliminate particle accumulation, which help maintain GMP Class C and ISO Class 5.

Narrow side frames
Minimal side columns offer added installation flexibility for confined areas; while minuscule curtain guide gap ensures lowest possible pressure loss.

MCC VectorContol
Boosts speed with less energy delivering fast, smooth operation with minimal wear and maintenance.

Contactless actuator
Simply wave your hand for faster, more hygienic operation.

Bottom bar
Minuscule gap between bottom profile and side columns minimizes pressure loss when door is closed.

Top roll & motor covers
Stainless steel covers minimize particle accumulation and help maintain GMP Class C and ISO Class 5 cleanroom.

Safety features
Contactless Safety Edge prevents accidents even under high speeds; traveling photocells detect objects at any door position and immediately reverse door to the open position.
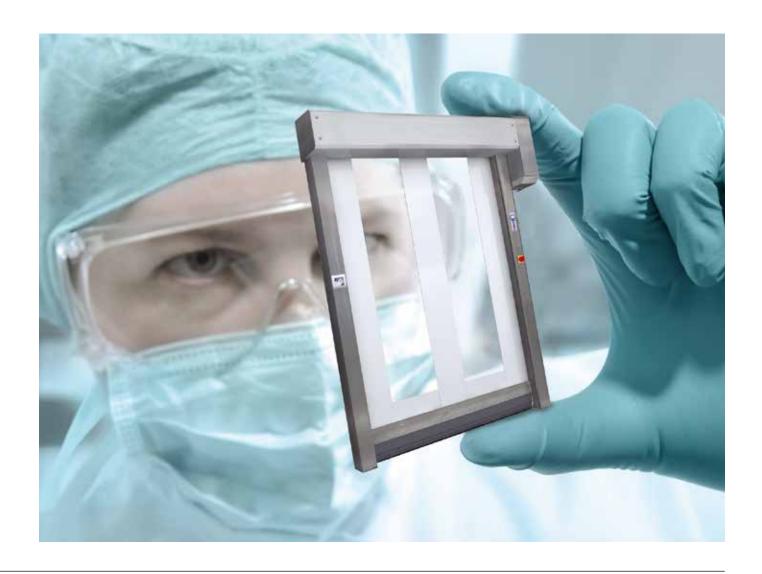
Technical information

Opening and closing speeds

Opening up to	80" per second
Closing up to	40" per second

Cleanroom class

ISO Class 5 (US Federal Standard 209E Class 100)-EN 146441-1

GNP

Class C

Leakage

20 m3/h (door size 1500 x 2000mm)

Door dimensions

Max Height	11.5 ft (3,500mm)
Max Width	11.5 ft. (3,500mm)
Min Height	3.2 ft. (1,000mm)
Min Width	3.2 ft (1,000mm)

Safety features

Photo Eye	Standard
Bottom Beam	Insulated, soft bottom bar automatically reverses
Egress Safety System	Optional-UPS battery backup in case of power outage

Door panel

FDA Approved PV-Cwith white or blue reinforcement strips	Standard

Door components

Side Frames	Stainless Steel
Bottom Beam	Stainless Steel
Top Roll Cover	Stainless Steel
Motor Cover	Stainless Steel
Motor Cover	Stainless Steel

Control and drive system

MCC VectorControl™	Variable Frequency drive with soft start/soft stop and absolute encoder/ 24V DC, UL listed
Remote Monitoring Systems	Optional-Only available with the MCC Vector Control™
Input Voltage	208-240 V, 440-480 V, 575-600 V
Motor	1.0-Hp, 3 phase, 60Hz, 10amps
Limits Adjustment	At keypad interface
Protection	IP-55, NEMA 4
MMC VectorControl™	Optional

*External transformer required for 575V

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