

# The Versa NAMUR ReBreather

## ACTUATOR CONTROLS FOR HARSH OR DIRTY ENVIRONMENTS

### Introduction

A simple device used in applications where the environment is corrosive from production, plant pollutants or other environmental issues. These applications need something to protect the actuator spring chambers from sucking in external air/contaminants during the return stroke, extending valve and actuator life and reliability. The new Versa NAMUR ReBreather kit prevents this from happening by redirecting the clean instrumentation air, thus preventing external dirty air from entering the control system.

### How it works

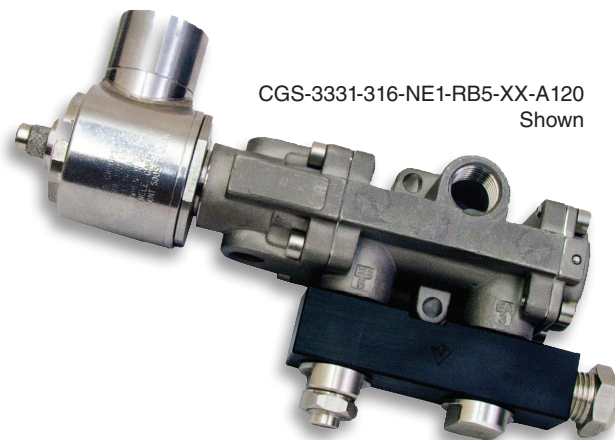
The Rebreather block is used on single acting actuators to prevent corrosive atmosphere from entering the actuator spring side. This add on accessory is also designed to use available instrument air to fill spring side, thus assuring only clean air enters the actuator. The instrument air it utilizes on the return stroke is the air from the exhaust cycle of the piston side of actuator. No additional air is required to complete the cycle and keep actuator clean, hence the reason this accessory is called a "ReBreather" - reusing clean exhaust air to keep actuator clean.

### Low profile design

Available on either Versa's C or C-316 Series NAMUR valves. In applications where closing speed needs to be adjusted, an optional speed control is offered. The material of the main plate is engineered polymer. All fasteners and speed controls are 316 stainless steel for enhanced corrosion protection and product life.

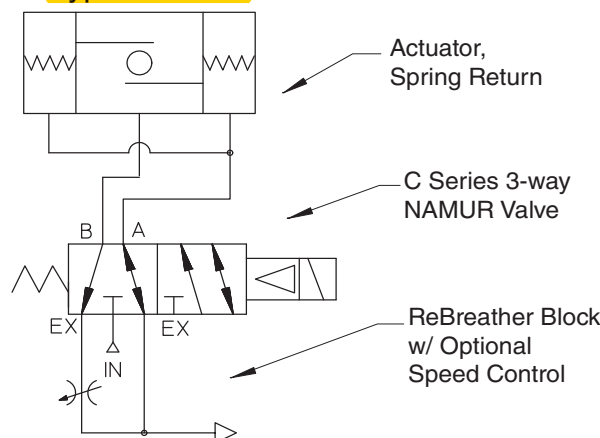
### Options

Basic plate is supplied with a 1/4" npt vent port. Versa offers a dust screen (MFS) in dusty environments or in areas where moisture may be present, the ReBreather is available with a positive check (DE).



CGS-3331-316-NE1-RB5-XX-A120  
Shown

### Typical Circuit



## Ordering Information

On a Valve		As a Kit		
Suffix*	Description	C Series	C 316 Series	Description
-RB	Plate, 1/4" npt vent port open	C-33RB-NB	C-33RB-NE	Plate, 1/4" npt vent port open
-RB1	Plate, and speed control, with 1/4" npt vent port open	C-33RB-NB-BC	C-33RB-NE-BC	Plate, and speed control, with 1/4" npt vent port open
-RB2	Plate, with DE-3 in vent port**	C-33RB-NB-DE3	C-33RB-NE-DE3	Plate, with DE-3 in vent port**
-RB3	Plate, and speed control, with DE-3 in vent port	C-33RB-NB-BC-DE3	C-33RB-NE-BC-DE3	Plate, and speed control, with DE-3 in vent port
-RB4	Plate, with MFS-3 in vent port	C-33RB-NB-MFS3	C-33RB-NE-MFS3	Plate, with MFS-3 in vent port
-RB5	Plate, and speed control, with MFS-3 in vent port	C-33RB-NB-BC-MFS3	C-33RB-NE-BC-MFS3	Plate, and speed control, with MFS-3 in vent port

\*Add suffix to complete C/C316 series valve part number.

\*\*Aluminum DE on C Series and Stainless on C-316 Series