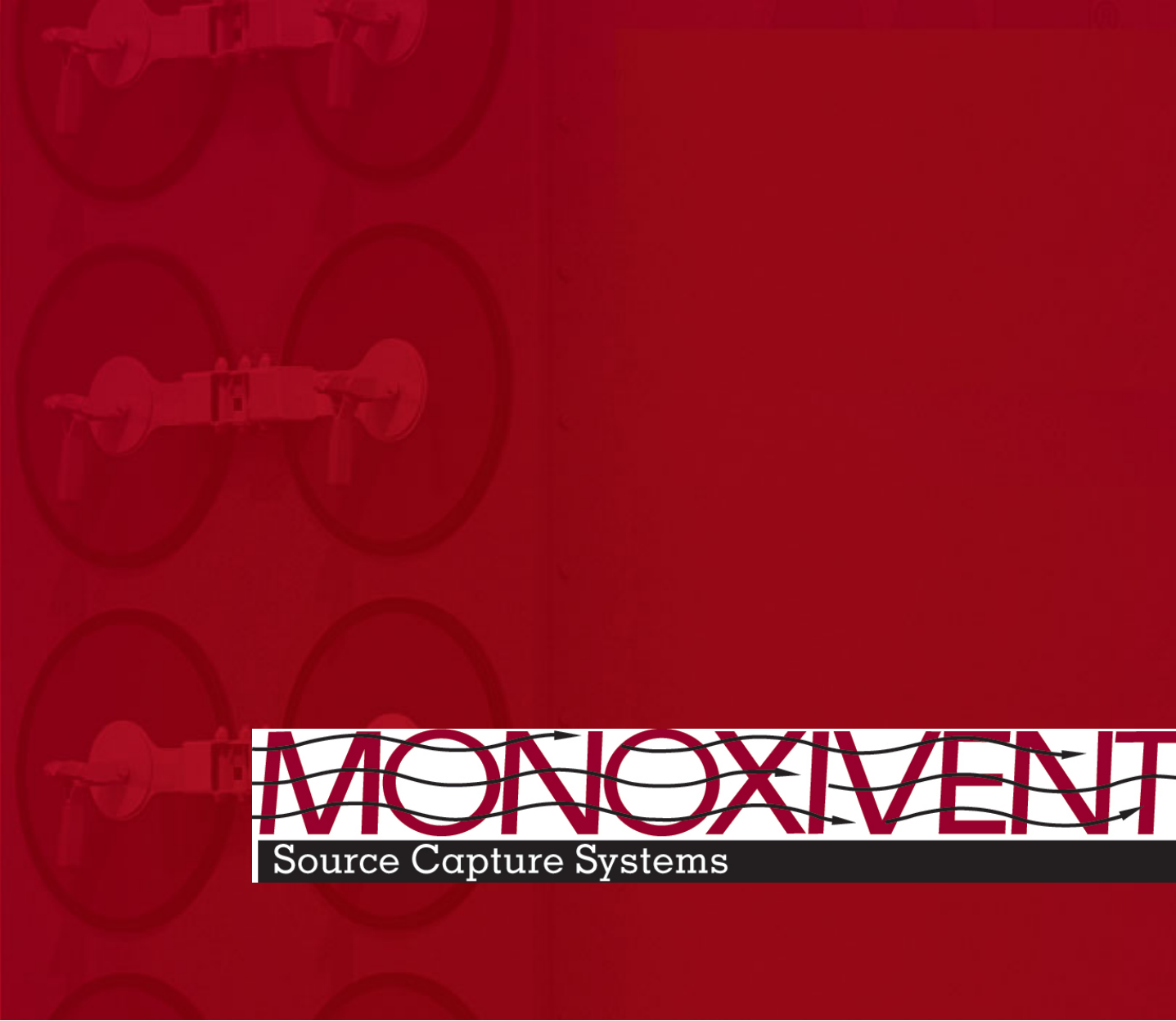




MonoxiFlo

Pulse-Jet Cylindrical
Cartridge Dust Collector

| Leading the Way in Dry Dust Collection Technology



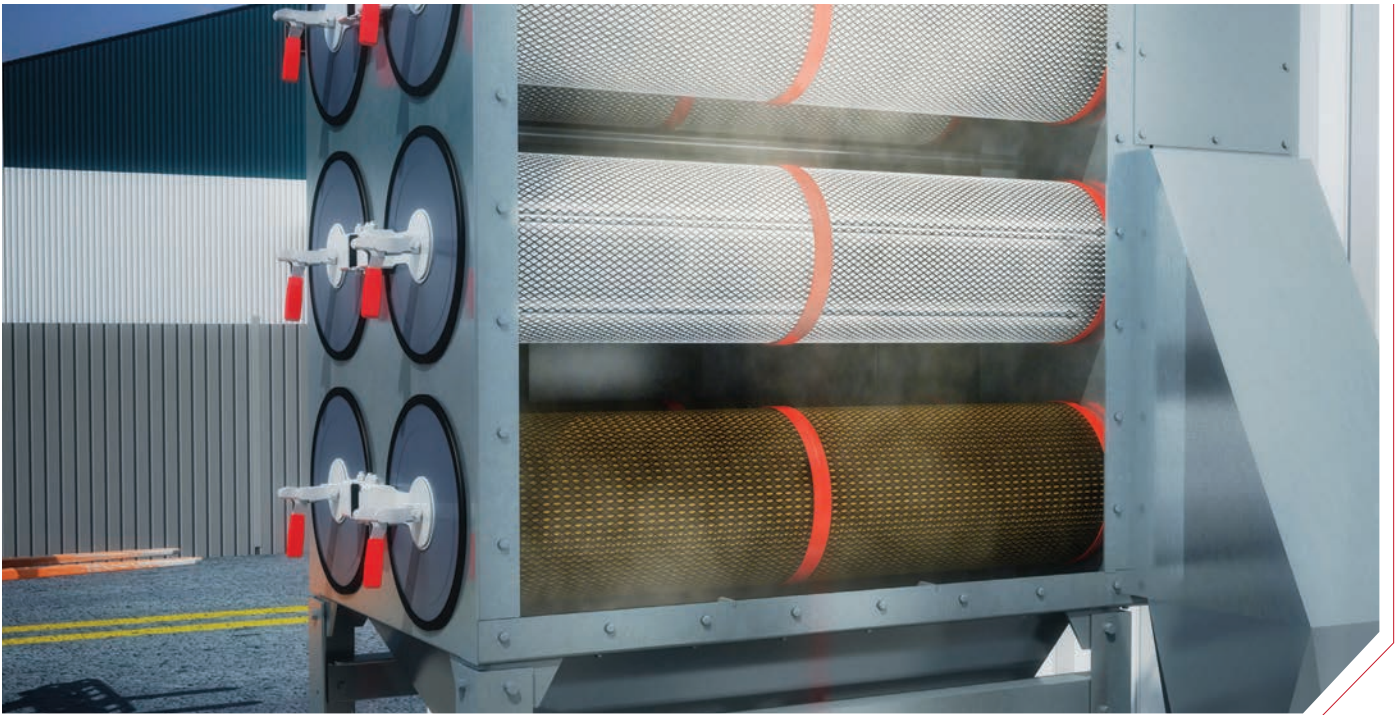
MONOXIVENT[®]
Source Capture Systems



Monoxivent Source Capture Systems

The manufacturing capabilities of Monoxivent include a complete line of vehicle exhaust extraction systems, hose reels, overhead and underground exhaust systems, rail systems, source capture flex arms, portable filter units, wall mount filter systems, cartridge collectors with air pulse cleaning, cyclone dust collectors, free hanging filter units, fiberglass reinforced plastic UnderDuct/Corrosion Composites, and custom design build services for special requirements from our customers.

Monoxivent prides itself in developing and offering products that meet the demand for “user friendly systems.” The design has been based upon direct communication with end users, listening to their needs and improving upon various ideas and concepts. This method of design caters to the users of our systems, thus making the purchase of Monoxivent products a wise investment.



The MonoxiFlo Advantage

The MonoxiFlo cartridge collector is the optimum solution for most types of dry dust collection needs and is ideal for moderate to light dust loading applications. The MonoxiFlo combines desired functionality and product design to deliver improved performance at a lower cost of ownership.

Benefits and Features

- Compact modular design for small footprint requirements
- Slim line inlet reduces turbulence, which minimizes cartridge and media abrasion
- Active mandrel design aids the pulse cleaning near the tube sheet to extend filter life
- Adjustable quick access latch and hinged door greatly reduces cartridge change-out time
- Designed to meet NFPA and ATEX regulations for combustible dust hazards
- Improved pulse performance to reduce compressed air usage
- Utilization of industry leading REDClean™ nano cartridge media

MonoxiFlo RC is ideal for eliminating troubles related to

- Cartridge blinding
- Dust bridging
- Dirty air bypass
- Poor door sealing





Typical Applications

Industrial Processes

- Plastic and rubber (moulding and grinding)
- Rock and related products
- Coal dust
- Powder paint
- Tobacco

Chemical

- Plastics and rubber
- Inorganic chemicals
- Pesticides/fertilizer
- Paint pigments

Food Processing

- Cereals
- Confectionery
- Flour and mixes
- Dog and cat food
- Seasonings & additives
- Dairy
- Starch

Metalworking

- Abrasive cleaning/sandblasting
- Grinding/polishing
- Laser cutting
- Metallizing/thermal spray (arc, plasma and flame spray, HVOF)
- Weld fume
- Battery manufacturing

Pharmaceutical

- Tablet coating
- Tablet presses
- Material handling
- Packaging

Woodworking

- Furniture manufacturing
- Cabinetry

Please speak to your Monoxivent representative if you have a specific application requirement.



Available Options and Accessories

Available Options

- Explosion vents
- Sprinkler system
- Alternate cartridge media
- 72"/1,829 mm hopper clearance
- 24"/610 mm hopper clearance (on specific sizes)
- Solenoid heaters
- Hopper discharge devices
- Hopper transitions
- Access platform and ladder
- Compressed air regulator
- Abrasive dust inlets
- Side mounted fan (on specific sizes)
- High-temperature construction
- 2, 3, 4, 5 cartridge-high units
- Bin vent
- Cartridge and bin bag in/bag out
- REDClean™ D wide and REDClean™ SA wide
- Slide gate

Available Accessories

- Explosion protection equipment
- Fan with damper
- Fan silencer
- Airlocks
- Screw conveyers
- Control panel
- Custom paint systems
- Stainless steel construction
- HEPA/ASHRAE filters and housings

OptiFlo® Available Media

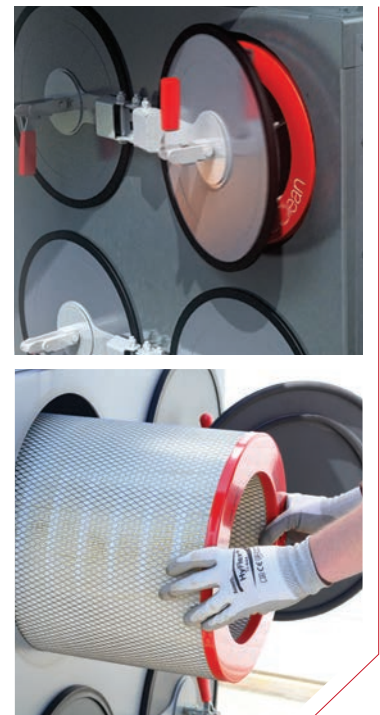
- REDClean™ D Media
- REDClean™ DFR Media
- REDClean™ D (180 pleats)
- REDClean™ N Media
- REDClean™ NFR Media
- REDClean™ M
- REDClean™ MHT
- REDClean™ S
- REDClean™ S ALUM
- REDClean™ S PTFE
- REDClean™ SA
- REDClean™ SA (180 pleats)

Reduce Your Operating Costs

The improved **MonoxiFlo** design, combined with optimized REDClean™ nano cartridges, delivers improved air cleaning while reducing the overall cost of operation*.

- The improved pulsation configuration and the newly designed active mandrel deliver better cartridge cleaning, thus increasing the life of the cartridges.
- The optimized REDClean™ cartridges are designed to increase the usable filter area, which reduces the differential pressure across the filters and allows for better dust rejection during pulsing.
- The hinged quick seal doors decrease the time required for cartridge change-outs, resulting in reduced maintenance time.

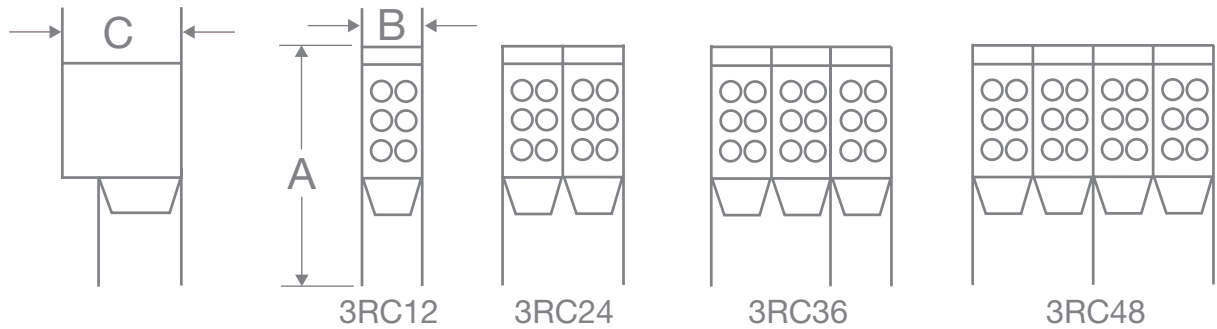
*Total cost of ownership = capital costs + operational costs + maintenance costs



Dimensions and Specifications

The compact modular design of the **MonoxiFlo** makes it ideally suited for the modern workplace, offering total flexibility for the variable nature of global demand.

Typical Configurations



Model	Number of Modules	Number of Cartridges	REDClean™ N Filter Area		Height (A)		Width (B)		Depth (C)		Approx. Weight	
			sq ft	sq m	in	mm	in	mm	in	mm	lb	kg
2RC4	1	4	908	84.4	144-13/16	3,654	40-1/4	1,022	54- 5/8	1,387	1,662	754
2RC8	1	8	1,816	168.7	144-13/16	3,654	40-1/4	1,022	82-7/8	2,105	1,763	800
2RC16	2	16	3,632	337.4	144-13/16	3,654	80-1/4	2,038	82-7/8	2,105	2,565	1,163
2RC24	3	24	5,448	506.1	144-13/16	3,654	120-1/4	3,054	82-7/8	2,105	4,320	1,960
2RC32	3	32	7,264	674.8	144-13/16	4,099	160-1/4	4,070	82-7/8	2,105	4,567	2,072
3RC6	1	6	1,362	126.5	163-1/2	4,099	40-1/4	1,022	54-5/8	1,387	1,999	907
3RC12	1	12	2,724	253.1	163-1/2	4,099	40-1/4	1,022	82-7/8	2,105	2,103	954
3RC24	1	24	5,448	506.1	163-1/2	4,152.9	80-1/4	2,038	82-7/8	2,105	3,123	1,417
3RC36	3	36	8,172	759.2	163-1/2	4,099	120-1/4	3,054	82-7/8	2,105	4,205	1,907
3RC48	4	48	10,896	1,012.2	163-1/2	4,099	160-1/4	4,070	82-7/8	2,105	5,587	2,534
4RC16	1	16	3,632	337.4	181-7/8	4,620	40-1/4	1,022	82-7/8	2,105	2,352	1,067
4RC32	2	32	7,264	674.8	181-7/8	4,620	80-1/4	2,038	82-7/8	2,105	3,683	1,671
4RC48	3	48	10,896	1,012.2	181-7/8	4,620	120-1/4	3,054	82-7/8	2,105	4,966	2,253
4RC64	4	64	14,528	1,349.7	181-7/8	4,620	160-1/4	4,070	82-7/8	2,105	6,564	2,977
4RC80	5	80	18,160	1,687.1	181-7/8	4,620	201-1/4	5,112	82-7/8	2,105	8,648	3,923
4RC96	6	96	21,792	2,024.5	181-7/8	4,620	241-1/4	6,128	82-7/8	2,105	10,246	4,648
4RC112	7	112	25,424	2,361.9	181-7/8	4,620	281-1/4	7,144	82-7/8	2,105	11,529	5,230
4RC128	8	128	29,056	2,699.3	181-7/8	4,620	322-1/4	8,185	82-7/8	2,105	19,810	8,986
5RC20	1	20	4,540	421.8	200-3/8	5,090	40-1/4	1,022	82-7/8	2,105	2,721	1,234
5RC40	2	40	9,080	843.5	200-3/8	5,090	80-1/4	2,038	82-7/8	2,105	5,690	2,581
5RC60	3	60	13,620	1,265.3	200-3/8	5,090	120-1/4	3,054	82-7/8	2,105	8,480	3,847
5RC80	4	80	18,160	1,687.1	200-3/8	5,090	160-1/4	4,070	82-7/8	2,105	11,334	5,141
5RC100	5	100	22,700	2,108.8	200-3/8	5,090	201-1/4	5,112	82-7/8	2,105	14,170	6,428
5RC120	6	120	27,240	2,530.6	200-3/8	5,090	241-1/4	6,128	82-7/8	2,105	17,024	7,722
5RC140	7	140	31,780	2,952.4	200-3/8	5,090	281-1/4	7,144	82-7/8	2,105	19,813	8,987
5RC160	8	160	36,320	3,374.1	200-3/8	5,090	322-1/4	8,185	82-7/8	2,105	22,668	10,282
5RC180	9	180	40,860	3,795.9	200-3/8	5,090	362-1/4	9,201	82-7/8	2,105	25,388	11,516

NOTES

1. Weight does not include any accessories such as fans or controls.
2. See sales drawings for complete dimensions.
3. The width dimension is from panel to panel, not including any protruding legs or hardware.
4. Depth is front panel to back of manifold, it does not include the door latch or any hardware.
5. Shipping weights include filter cartridges.
6. Height based on 48"/1,219 mm hopper clearance.
7. Filter area varies with cartridge type.



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www.monoxivent.com



MonoxiFlo

The MonoxiFlo incorporates many of the key features of the original MonoxiFlo, supplemented with a new active mandrel integrated with self-aligning hinged door.

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Applications

- Metalworking
- Metal grinding
- Thermal spraying
- Food processing
- Food handling
- Pharmaceutical
- Chemical
- Woodworking



Contact Us Today!

1.877-608-4383

info@monoxivent.com

MONOXIVENT[®]
Source Capture Systems

CONTROLCENTER FOR PULSE JET COLLECTORS

The ControlCenter assures the controls for your baghouse or cartridge system are designed to stop and start your equipment in the proper sequence required for optimal performance. The ControlCenter includes items and components factory prewired to terminal blocks requiring only field connections to external devices. Custom configurations are available should you have specific job or operational requirements. The ControlCenter ships complete with all controls necessary for the collector operation.



- The entire panel power can be disconnected via the factory installed rotary disconnect with circuit breaker protection.
- The standard ControlCenter is complete with a digital pulse timer board for pressure demand or timed pulse operation.
- The fan motor starter for the primary fan can be supplied as a standard Across the Line (ATL) starter or with optional electronic Soft Start (SSVR), or even a more flexible Variable Frequency Drive (VFD).
- A control transformer with 100VA additional capacity is included in the ControlCenter for the low voltage controls and pushbuttons. The ControlCenter is complete with all necessary fusing of both primary and secondary circuits for safety.

The NEMA 4 ControlCenter painted ANSI 61 gray has a number of standard features for versatility and ease of installation and use. Stop/Start push-buttons as well as a push-to-test "RUN" indicating light are included; and for convenience, a spare set of terminals is include for interface with a remote start/stop signal.

The ControlCenter can be equipped with all standard Pulsejet control options such as:

- The pulse cleaning control includes a timer, and a pressure control.
- After-shift pulse controller to automatically activate the filter media cleaning cycle after the fan is turned off. Sidewall mounted pressure taps for ease of field connections to the dust collector pressure taps.
- Specials including PLC controllers.
- Auxiliary starters to handle auxiliary items such as rotary valves and screw conveyors
- UL or CUL certification.
- Alternate enclosure ratings are available such as NEMA 9 and 12.

For additional details contact your local Monoxivent representative today.

