

AQC SOURCE CAPTURE EQUIPMENT

MAXIREEL™

Exhaust hose reels

Sept 11, 2008 version.
Leaflet under construction.
More information to come
at a later date.



- *Car and truck dealerships*
- *RV, off-road maintenance shops*
- *Motorcycle and snowmobile dealerships*
- *Diesel fumes and smoke exhaust*
- *Spring operation or motorized*



Superior technology generating substantial operating savings

MAXIREEL™

High-Productivity Innovative Products

MAXIREEL *Fume and gases exhaust hose reels*

Car and truck maintenance facilities are often confronted with the presence of fumes and gases produced while the engines are running during tune-up or repairs. The Maxireel fume extraction system is well adapted to capture the deadly pollutants emitted from combustion engines. Made of rugged rolled steel components, the Maxireel recoils the flexible hose around the drum when not in use. A heavy duty dual spring pack with ratchet lock mechanism is located on the side of the reel. Optional motor driven reels with radio signal control is also available along with a fan mounted directly on the hose reels. A central fan can also be used for multiple reels installation. Fitted directly on the automobile tailpipe or truck stack, the different available nozzles can be made of steel, stainless steel, aluminum or rubber. Depending on the application, hoses are available in 4" (100 mm), 5" (125 mm) and 6" (150 mm) diameters. Hose reels can also take up to 42' (13M) of hose. High temperature hoses (up to 2000o F / 1100o C) are offered for extreme duty application.



A Leading-Edge, High-Performance Company

The AQC Dust Collecting Systems division manufactures a full range of safe, industrial dust collectors, as well as dust and smoke capture equipment at the leading edge of air pollution control technologies based on more than 30years' experience in the field.

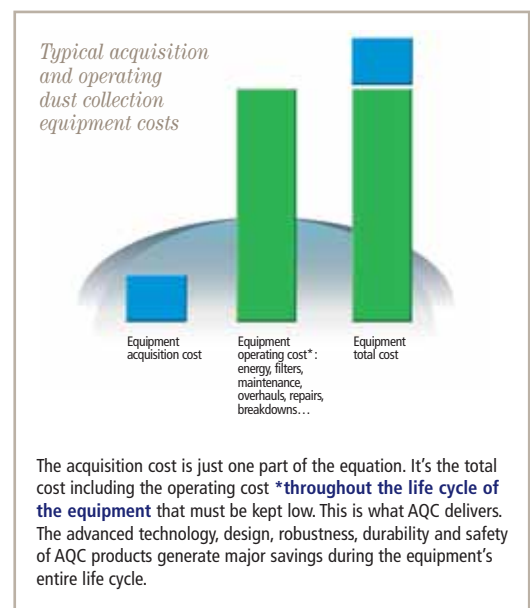
AQC's strength lies in its innovative products designed and developed to generate substantial savings throughout their entire operating life.

AQC is renowned for its technological innovation, safe and sophisticated equipment design, as well as its robust and precise product manufacturing. For example, the unique design of the baffles inside AQC dust collectors makes filter cleaning easy. The AQC cartridge holder design provides maximum filter surface and enhanced filter performance. The ultra-smooth concept inside AQC fume arms makes them maintenance-free.

In short, AQC equipment is designed and built to generate substantial operating savings in terms of time, money and energy. This translates to major reductions in operating costs – from 10 to 20% – throughout the equipment's service life. This scale of savings can represent a significant portion of the equipment's total purchase price. Companies looking to maximize their profitability should factor in these savings when purchasing equipment.

The unique design and manufacturing of AQC equipment generates significant savings for various reasons:

- Substantial increase in the duration of filters.
- Lower energy consumption during years of use.
- Significantly less maintenance (easy to clean, robust manufacturing, a minimum number of more reliable and durable parts).
- Reduced operating costs (less frequent overhauls, lack of or minimum down time, etc.).
- Lower administrative costs (coordination, follow-ups, supervision) due to much less frequent breakdowns.
- Safe design can prevent serious or even fatal accidents.
- Increased comfort and productivity of personnel.



MAXIREEL™ SIMPLY BECAUSE ENGINE FUMES NEED TO BE EXHAUSTED

Most of our competitors do not include these standard features:

- Heavy gauge steel construction
- 4"(10mm), 5"(125mm), 6"(150mm) and 8"(200mm) diameter hoses
- DUAL heavy duty tempered steel spring pack
- Powder coat painted and galvanized steel components
- Hose temperature up to 2000 deg. F. (1100 deg. C)
- E.Z. lock ratchet lock mechanism or motorized operation
- Hose storage capacity up to 42' (13m)
- Shipped fully assembled

MAXIREEL EXHAUST EXHAUST HOSE REEL TYPICAL INSTALLATION AND APPLICATION

*Superior technology
generating substantial
operating savings*



High temperature hose with truck stack aluminum cane nozzle.



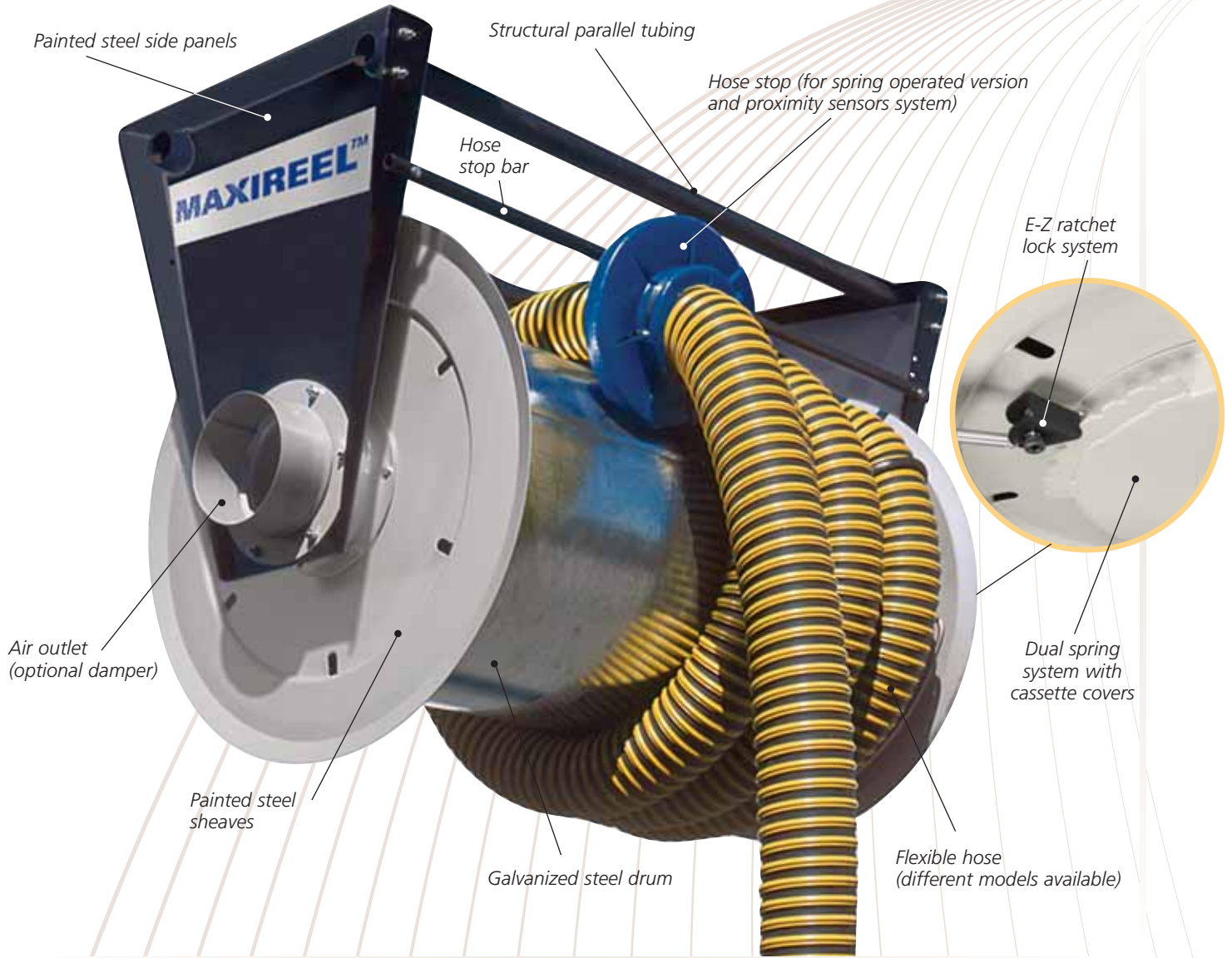
Maxireel equipped with direct mount Maxidrive fan (adjustable air discharge).



Maxireel equipped with Maxireach single pivot boom.

OUTSTANDING MAXIREEL FEATURES

Spring recoil model



Motorized model



Radio signal transmitter

Control panel for motorized version with or without fan

3 button pendant or wall switch (UP/DOWN/STOP)

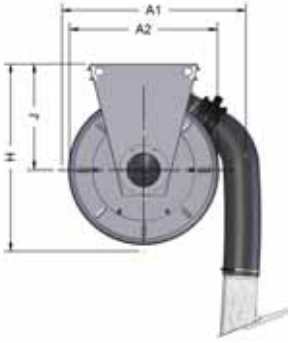
5 button pendant or wall switch for reel equipped with fan (UP/DOWN/STOP) (FAN START/STOP)

Motorized model is highly recommended for plants with overhead cranes.

MAXIREEL DIMENSIONS (MOTORIZED AND SPRING RECOIL MODELS)

CHART 1

Model		Dimensions [inches] / [mm]										Weight
		A1	A2	H	L1	S1	L2	S2	J	D1	D2	[lbs] / [kg]
HR-20000	4" only	31.8/806	25.5/648	32.5/826	24.8/620	18.8/476	22/550	12.3/311	18.4/467	6/152	0.5/13	115/52
HR-34000	4"	31.8/806	25.5/648	32.5/826	43.8/1111	18.8/476	41/1041	12.3/311	18.4/467	6/152	0.5/13	115/52
HRM-34000	5"	31.8/806	25.5/648	32.5/826	48.8/1238	18.8/476	46/1168	12.3/311	18.4/467	6/152	0.5/13	123/56
HR-39000	6"											
HRM-39000	Hoses	31.8/806	25.5/648	32.5/826	48.8/1238	18.8/476	46/1168	12.3/311	18.4/467	6/152	0.5/13	140/64
HR-39000	8"	31.8/806	25.5/648	34.5/876	48.8/1238	18.8/476	46/1168	12.3/311	20.4/517	6/152	0.5/13	140/64
HRM-39000	Hoses											



Note: HR prefix letters indicate spring recoil model. HRM prefix letters indicate motorized model.

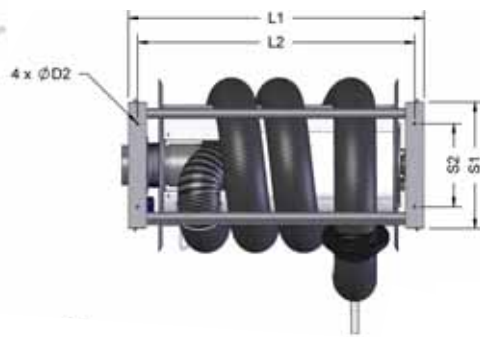
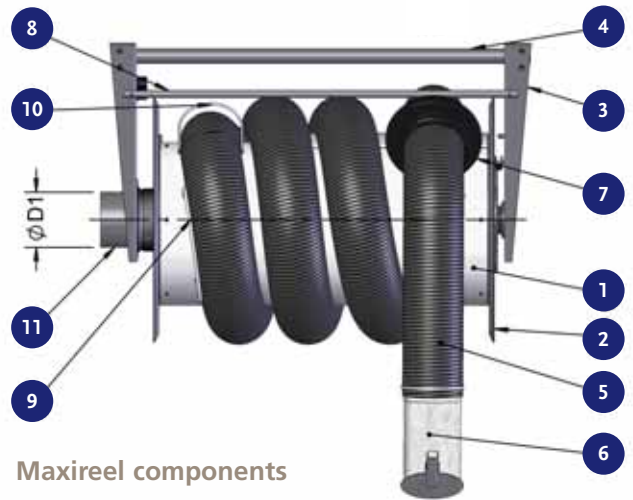


CHART 2

Model	Hose storage capacity	Model	Hose storage capacity
200425	up to 25' [7.7 m] x 4" [100mm]	340625	up to 25' [7.7 m] x 6" [150mm]
340433	up to 33' [10 m] x 4" [100mm]	390633	up to 33' [10 m] x 6" [150mm]
390442	up to 42' [13 m] x 4" [100mm]	340820	up to 20' [6.2 m] x 8" [200mm]
340530	up to 30' [9.2 m] x 5" [125mm]	390825	up to 25' [7.7 m] x 8" [200mm]
390536	up to 36' [11 m] x 5" [125mm]		

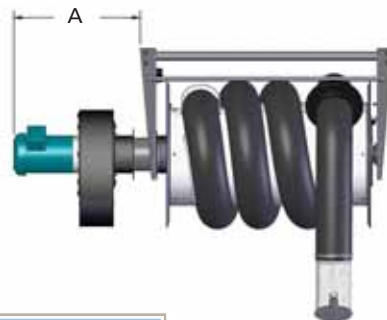
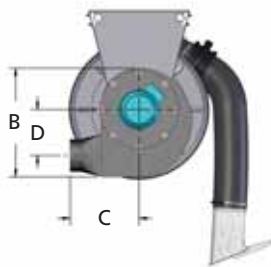
Note: AQC can manufacture extra wide hose reel drums for additional hose storage. Contact factory for details.



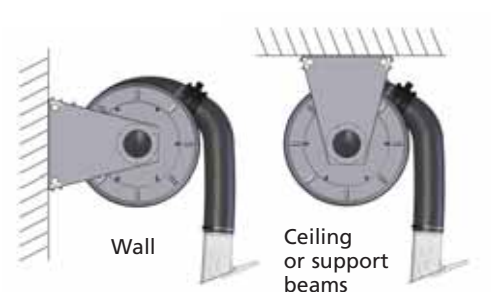
Maxireel components

1. Drum
2. Sheaf
3. Side panel
4. Structural tubings
5. Flexible hose
6. Nozzle
7. Hose stop (not needed on motorized model)
8. Hose stop bar
9. Hose guide
10. Hose support (U-bolt)
11. Air outlet

MAXIREEL DIMENSIONS WITH DIRECT MOUNT MAXIDRIVE FAN (MOTORIZED AND SPRING RECOIL MODELS)



Mounting examples



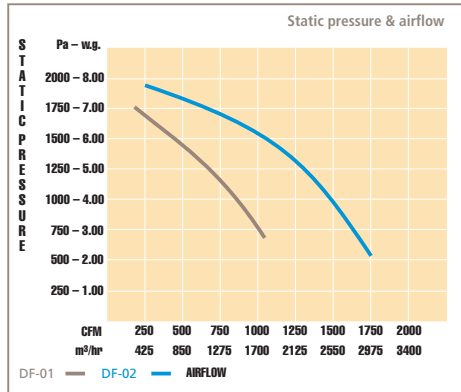
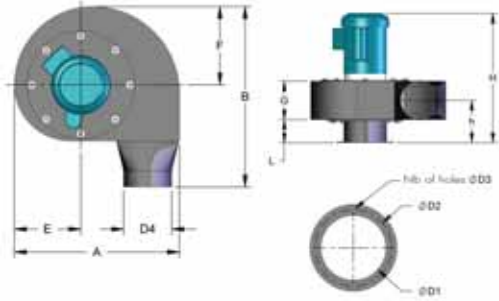
Models	Dimensions [inches] / [mm]			
	A	B	C	D
1 H.P.	22.25/555	20.19/505	12.76/320	8.52/215
2 H.P.	25.95/650	22.50/560	13.62/340	9.10/225

Note: HOSE REEL INSTALLATION:

To ensure proper installation, refer to local building laws and requirements. Support structure has to meet sturdiness and reliability for weight and torque of reel with accessories.

MAXIDRIVE FANS (3450 R.P.M.)

Backward inclined



Fan data	
Available voltages	115/230-1-60 208/460-3-60 575-3-60
Blade type	Backward inclined (aluminum)
Housing	steel (painted)
Motor	TEFC
R.P.M.	3450

Fan dimensions

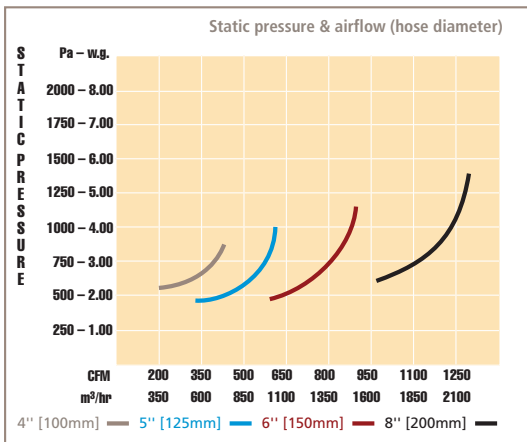
CHART 3

Model	Power [HP]	Dimension [inches] / [mm]											Weight [lbs] / [kg]		
		A	B	E	F	H	L	G	h	d1	d2	d3		d4	n
DFI-01	1 / 0.75	20.2 / 513	22.6 / 574	8.3 / 211	9.8 / 249	21.1 / 536	3.9 / 99	5.9 / 150	6.9 / 175	6.25 / 160	7.69 / 195	0.4 / 9	6 / 198	6	70 / 31.8
DFI-02	2 / 1.50	22.7 / 577	24.8 / 630	9.2 / 234	11 / 279	24.8 / 630	4.9 / 124	6.3 / 160	7.4 / 188	8 / 200	9.69 / 246	0.4 / 9	8 / 249	8	82 / 37.3

Electrical note: Motors are available in all voltages. Specify on order.

Technical note: Refer to Maxidrive fan leaflet for complete data.

Temperature note: if exhaust temperature exceeds 400 °F [205 °C] with ambient air dilution, use powder coat painted steel impellers on Maxidrive fans.



Note: Static pressure drop indicated is with 75% of hose used. Pressure loss chart does not include exhaust ducting.

Vehicle type	Recommended air volume CFM/M³H	Recommended hose diameter [inches] / [mm]	Recommended hose temperature [°F] / [°C]
Small to full size cars	250-300 / 425-500	4 / 100	200-300 / 120-150
Performance sports cars	450-500 / 765-850	4-5 / 100-125	500-600 / 260-325
Large pick-up trucks/SUV's	350-400 / 600-675	4-5 / 100-125	500-600 / 260-325
Diesel trucks/ tractor trailers	700-800 / 1200-1350	6 / 150	500-600 / 260-325
Heavy duty machinery	1000-1200 / 1700-2050	8 / 200	850 / 450

Optional proximity sensor for automatic fan start/stop



Recommended starters for reels equipped with proximity switches

CB 100	Control box (single reel)
CB 500	Control box (up to 5 reels)
CB 1000	Control box (up to 10 reels)
CB 2000	Control box (up to 20 reels)

TAILPIPE ADAPTORS & NOZZLES

Rubber adaptors
protect chrome tailpipes

NZR-TPA3000



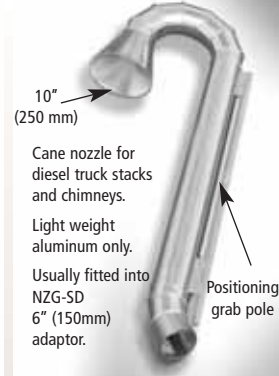
Designed for split tailpipes up to 3" (75mm) in diameter. (crush-resistant)

NZR-TWINFLAP



4" X 9" (100mm X 225 mm) rubber nozzle equipped with closing flaps minimizing air loss.

DCC



10" (250 mm)
Cane nozzle for diesel truck stacks and chimneys.
Light weight aluminum only.
Usually fitted into NZG-SD 6" (150mm) adaptor.

Positioning grab pole

MS-POLE

Telescopic aluminium pole (8' to 16') with grab hook. Recommended when hose and nozzle are fully wrapped around the drum and is out of arm's reach. Nozzle is fitted with 2" eyebolt for grab hook

NZR-F400



Straight adaptors with hook and chain. Up to 3,5" (90mm) in diameter. (crush-resistant)

NZR-F475



3" X 6" (75x150mm) oval shaped for dual tailpipes. Attached to tailpipe by means of hook and chain. (crush-resistant)

NZG-SD



Spring loaded damper type. Available from 4" to 8" (100 to 200mm).

Spring handle and lid

NZG-SLEA



Spring loaded damper type with port emission analyzer. Available from 4" to 8" (100 to 200mm).

NZR-F575



3,5" x 8,5" (90x215mm) oval shaped for larger dual tailpipes. Attached to tailpipe by means of hook and chain. (crush-resistant)

NZR-RA250-300



Fits most car and light truck tailpipe sizes. Attached to tailpipe by means of cuffs and slots. (crush-resistant)

NZG-VG



Available with or without spring loaded damper type with vise-grip attachment. Available from 4" to 8" (100 to 200 mm). Required for high RPM testing facilities.

NZG-OE



Open nozzle adaptor. No tailpipe attachment included. Available from 4" to 8" (100 to 200mm).

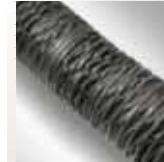
MAXIREEL HOSES

Flexible hoses

CHART 4

Model	Maximum temperature	Fabric [inches] / [mm]	Usage / Application	Diameters
CN2	250-300° F / 105-135° C	Cotton neoprene with helix (2 ply)	Cars-light trucks	4 to 8" (100 to 200 mm)
ULK	500-600° F / 240-300° C	Silicone fiberglass with helix (2 ply)	High revolution engines	4 to 8" (100 to 200mm)
CR	500-600° F / 240-300° C	Anti-flattening rubber (no helix)	Y adaptors for split tailpipes	3, 4, 5, 6" (75, 100, 125, 150 mm) (for extension hoses only)
TS	850° F / 450° C	Asbestos-free high temperature fabric	Extreme temperature	4 to 8" (100 to 200mm)

COTTON NEOPRENE



SILICONE FIBERGLASS

Ulok 440

CRUSH RESISTANT



TEFLON SILICONE



Note: Maximum weight tolerance on hose reel is 55 lbs (25 kg). If heavier hose is required, AQC recommends heavy duty springs or motorized virgin. AQC will not be held responsible for hose reel operation if customer installs heavier hose than maximum weight tolerance.

