

PRODUCTS INFORMATION

English

MCS

CONDENSATE SEPARATORS



CONDENSATE SEPARATORS

MCS

Condensate separators

Compressed air: a great resource to know

The Mattei MCS range of oil water separators use a technologically advanced proprietary filtration media to separate oil from water in the condensate discharged from compressed air and gas systems. This non-carbon based and 100% recycled media actively absorbs oil while repelling water resulting in clean condensate that can be disposed of cleanly and inexpensively.

Condensate from compressors, refrigeration dryers, coolers, filters or any other drain points are piped directly to the MCS oil water separator. Here it passes directly into the primary filter which provides three critical functions:

- depressurizes the condensate
- traps solid particles protecting the secondary filter
- catches bulk hydrocarbons within a high capacity oil absorbent



REDUCE DISPOSAL BY 99.9%

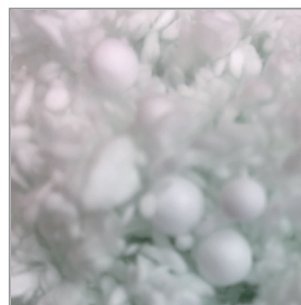
A typical compressed air and gas system can produce thousands of gallons of oil contaminated condensate per year. Collecting, storing and disposing of this oil condensate is messy and expensive. This condensate may be as much as 99.9% pure water - so why pay thousands of dollars per year to dispose of water when you can clean it simply and effectively and pour it down the drain? The Mattei MCS range of oil water separators removes the oil from the water in your condensate so you can dispose of it cleanly and safely, drastically reducing your condensate disposal costs.

ADVANCED MEDIA FILTRATION

Traditional condensate separators use activated carbon which is messy and requires pre-soaking, a long contact time and frequent replacement. The Mattei MCS is a new approach to oil water separation using a new, advanced, proprietary, non-carbon based media that attracts oil and repels water - it's as simple as that.

The settling tank on a traditional separator makes the unit big and heavy requiring valuable floor space that must be level for the unit to perform correctly. The MCS oil water separators don't need a settling tank and use less floor space, so they can fit where you need them to.

Unlike the traditional heavy, dusty bags of activated carbon that need to be pre-soaked, the technologically advanced filter media comes in clean, lightweight, easy to handle bags that require no pre-soaking for quick and simple media replacement.



ADVANCED MCS
FILTRATION MEDIA



SERVICE INDICATOR

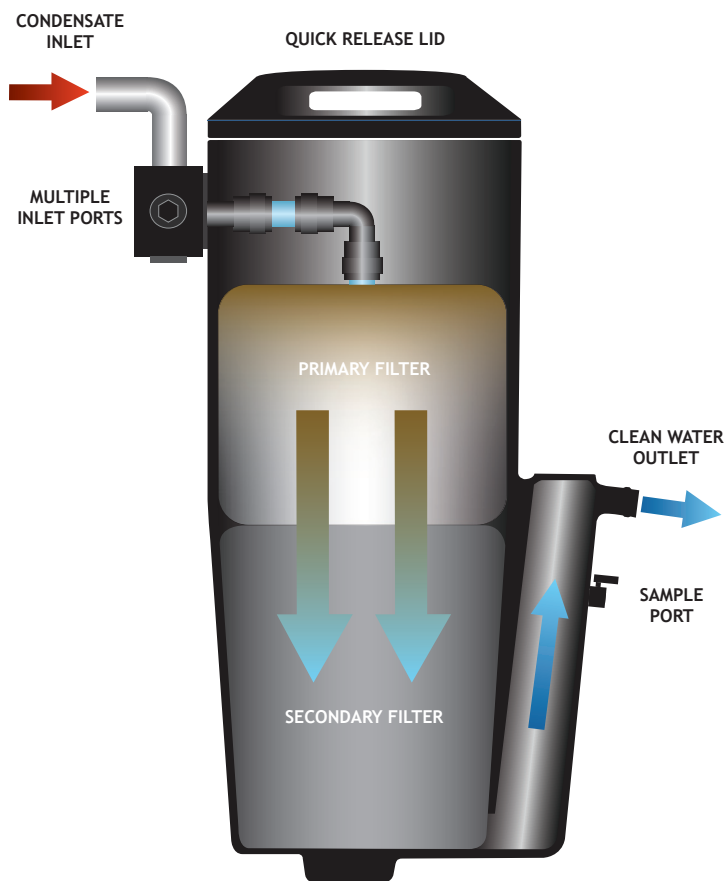


MCS-1S: DISPOSABLE
AND PERFECT FOR
SMALL APPLICATIONS



MCS-5S - MCS-5.5S:
INNOVATIVE AND COST
EFFECTIVE

MCS CONDENSATE SEPARATORS



WARRANTY

MCS 120 through MCS 2500 come standard with a 10 year warranty! Conditions apply.



FEATURES AND BENEFITS

- **Guaranteed performance -**
The advanced filtration media provides long media life and outlet concentrations as low as 5 ppmv even with synthetic compressor lubricants and all without the size, weight and mess of a settling tank, bags of carbon or oil collection container.*
- **Easy to size -**
 - No complex sizing tables or charts
 - Size your unit on just your air or gas flow
 - Fit applications up to 10,000 scfm with a single unit
- **Easy to install -**
 - Package includes everything you need for installation
 - Ready to use - no pre-soaking
 - Small footprint for tight installations
 - Multiple inlet connections for multiple drain ports
 - Wall mounting kits available for many models
- **Easy to maintain -**
 - Service intervals up to two years or longer
 - Quick release lids for easy access
 - No special tools required
 - No settling tank to empty and clean
 - No funnels to adjust
 - No pre-soaking of media bags
 - Replace the media in less than 15 minutes
 - No oil collection container to dump and clean
 - Service indicator ensures timely media replacement
- **Environmentally friendly design -**
 - 100% recycled (and recyclable) filtration media
 - Environmentally sustainable manufacturing practices
- **High quality construction -**
 - Single piece molded body 100% tested for zero leaks

Get your money's worth. Get a MATTEI.

CONDENSATE SEPARATORS

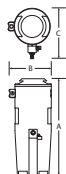
MCS

 MODEL	 INLET CONNECTIONS	 OUTLET CONNECTIONS	 RATED FLOW ⁽²⁾		 DIMENSIONS (INCH)			 APPROX WEIGHT	 WALL MOUNTING BRACKET	 REPLACEMENT MEDIA KIT
	NPT/PTC ⁽¹⁾	NPT/PTC ⁽¹⁾	scfm	Nm ³ /hr	A inch	B inch	C inch	lbs	part no	part no
MCS-1S	1/4" (x1) ⁽¹⁾	3/8" (x1) ⁽¹⁾	60	102	9.4	5.5	5.5	2.9	included	MCS-1S
MCS-2S	1/2" (x4)	3/4" (x1)	120	204	19.7	8.5	10.1	6.0	120 WMK	MCS-2MRK
MCS-3S	1/2" (x4)	3/4" (x1)	360	612	25.8	13.6	11.1	7.9	360 WMK	MCS-3MRK
MCS-4S	1/2" (x4)	3/4" (x1)	900	1529	38.9	17.0	19.5	32.6		MCS-4MRK
MCS-4.5S	1/2" (x4)	3/4" (x1)	1250	2124	38.9	19.1	19.5	45.0		MCS-4.5MRK
MCS-5S	1/2" (x8)	3/4" (x1)	1800	3058	38.9	38.9	20.5	69.0		MCS-5MRK
MCS-5.5S	1/2" (x8)	3/4" (x1)	2500	4248	38.9	43.2	21.5	95.0		MCS-5.5MRK
MCS-6S	3/4" (x2)	3/4" (x1)	3500	5947	39.4	39.4	27.6	319.0		MCS-6MRK
MCS-7S	3/4" (x2)	3/4" (x1)	7000	11,893	39.4	43.3	43.3	467.0		MCS-7MRK

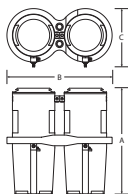
(1) inlet and outlet connections on the MCS-1S are push to connect. All other models are NPT threaded. (2) sizing assumes on oil flooded compressor using mineral or synthetic lubricant with a maximum oil carry-over of 5 mg/m³ or less. (3) media life decreases with increased condensate flow. For media life estimates at other flow rates contact info@matteicomp.com. (4) for use with PAG compressor lubricants contact Mattei technical support or email info@matteicomp.com.



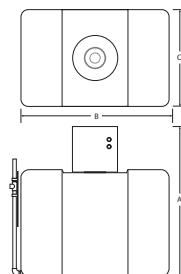
MCS-1S



MCS-2S - MCS-4.5S



MCS-5S - MCS-5.5S



MCS-6S - MCS-7S