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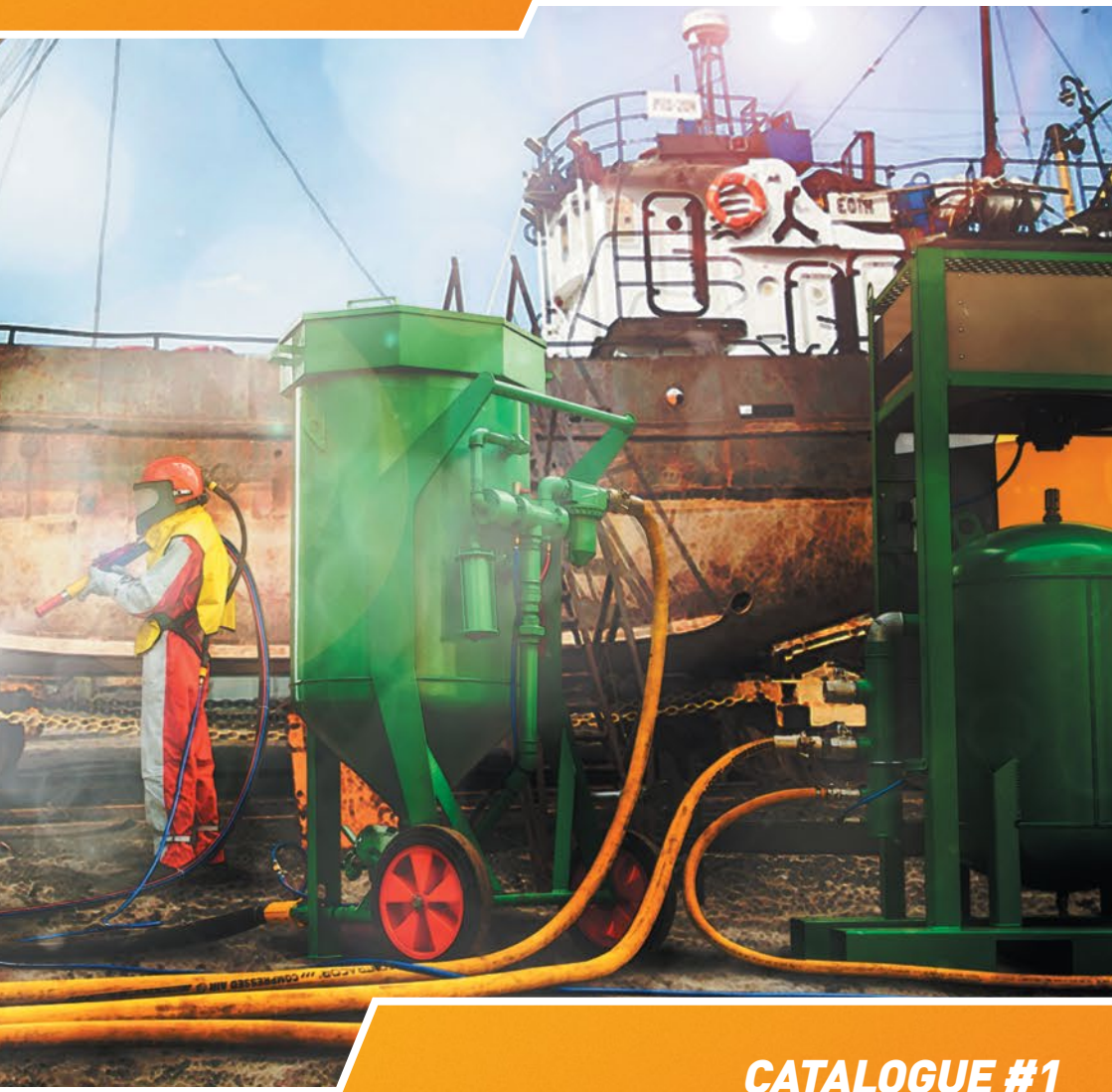

CATALOGUE #1

PORTABLE MOISTURE SEPARATORS, AFTERCOOLERS, COALECING FILTERS

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The latest catalogue version is available for download on our web page
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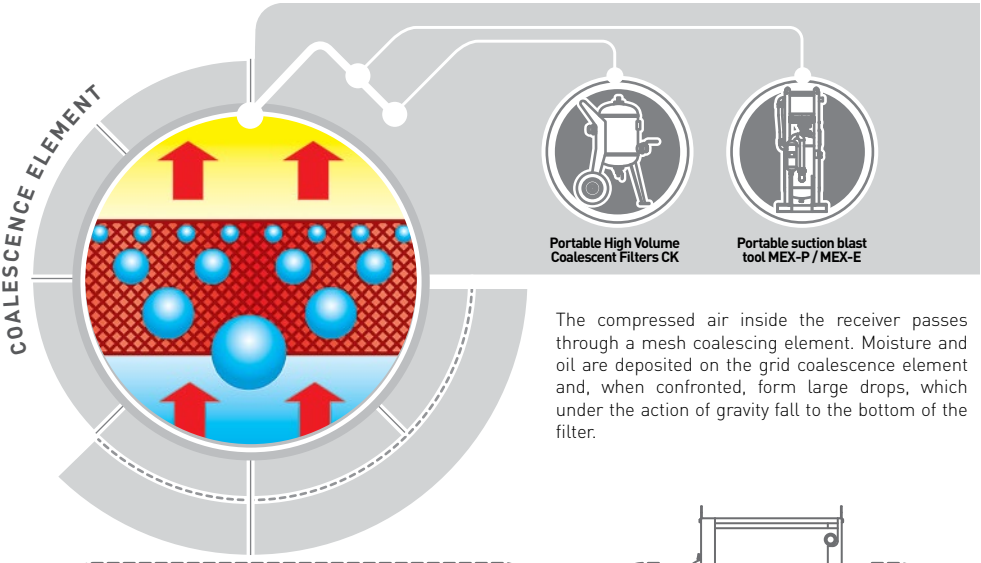
This Catalogue is valid from 01.05.2024.
All previous catalogues lose their validity with the publication of the new catalogue.
Technical characteristics, specifications and details published in this catalogue are subject to change without notice.

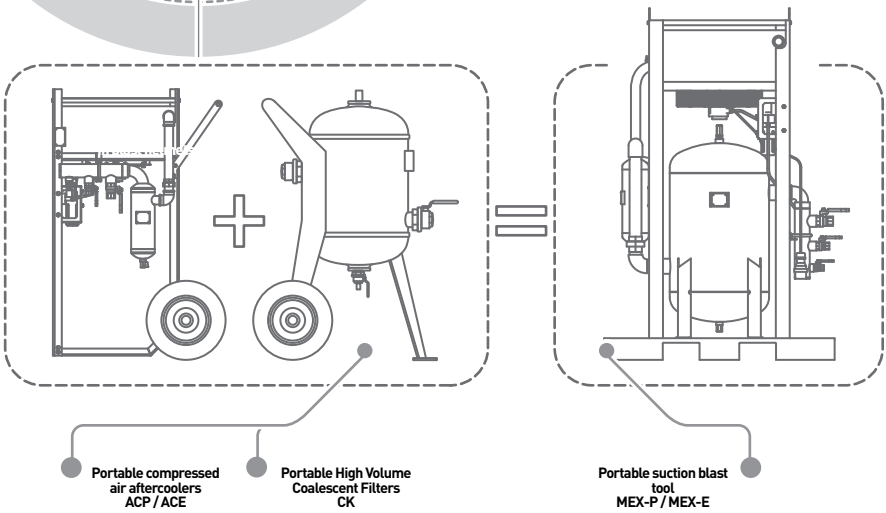
Comprag GmbH.

Portable moisture separators, Aftercoolers, Coalecing filters

Designed for use with portable compressors in conjunction with a conventional particulate air filter CAF-3 installed at the blast machine inlet. Abrasive blast cleaning, paint spraying with a pneuamtic drive, guniting, and construction and road works using pneumatic tools.



The compressed air inside the receiver passes through a mesh coalescing element. Moisture and oil are deposited on the grid coalescence element and, when confronted, form large drops, which under the action of gravity fall to the bottom of the filter.



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Portable compressed air aftercoolers **ACP / ACE**

ACP/ACE aftercoolers of compressed air remove condensate and oil from the air stream during abrasive blast cleaning. Condensate and oils in the abrasive blast cleaning system lead to the caking of abrasive material and potential blocking of the metering valves, hoses and nozzles. Dry and cleaned compressed air prevents caking of abrasive material, increases performance and reduces maintenance costs. ACP/ACE coolers of compressed air are an efficient means of removing up to 95% of condensate and oil which are commonly present in compressed air. Dry air prevents moist abrasive material, which would lead to increased wear, downtime and extra servicing.

Advantages

1. The ACP aftercooler.

Is fitted with a pressure controller for controlling the air flow of the fan, and a filter and a lubricator to ensure the long service life of the pneuamtic drive.

2. The ACE aftercooler.

Is fitted with a contactor starter with dampproof and dust-proof casing.

3. ACP/ACE Aftercoolers.

Are fitted with an efficient cyclone separator capable of eliminating up to 95% of condensed moisture from compressed air.

Functional characteristics

Portable design inflated wheels

Pneumatic or electric drive

Distributing header to three or four ball valves

Efficient cyclone separator

Designed for operation

With any brand of portable and stationary screw compressor unit. Compressed air flowing from a diesel compressor has a high temperature of approximately 90°C. At such a temperature, compressed air contains a large amount of moisture in the form of steam vapour. If an aftercooler and cyclone condensate separator are not used, compressed air can add up to 21.5 litres of water per hour into the system with a compressor operating at 5.7 m³/min capacity and a pressure of 7 bar. ACP/ACE aftercoolers of compress air cool compressed air to a temperature 3° C - 10° C higher than the ambient temperature. Once the air is cooled, vapour moisture condenses and up to 95% of condensed moisture may be eliminated from the system.

Technical data

Max. working pressure, bar:	12
Capacity, m³/min:	20 / 30 / 45
Voltage, V / Ph / Hz:	400 / 3 / 50
Power, kW:	0,3 / 0,7 / 0,9
Pressure of air motor min/max, bar:	2 / 6
Consumption of compressed air with min/max pressure of air motor, m³/min:	0,6 / 1,4

Order code	Model	Description
14390001	ACP-1	Compressed air aftercooler, capacity 20 m³/min, pneumatic drive
14390002	ACP-2	Compressed air aftercooler, capacity 30 m³/min, pneumatic drive
14390003	ACP-3	Compressed air aftercooler, capacity 45 m³/min, pneumatic drive
14390011	ACE-1	Compressed air aftercooler, capacity 20 m³/min, electric drive
14390012	ACE-2	Compressed air aftercooler, capacity 30 m³/min, electric drive
14390013	ACE-3	Compressed air aftercooler, capacity 45 m³/min, electric drive

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Portable High Volume Coalescent Filters **CK**

Portable High Volume Coalescent Filters CK-50 / 150 / 250 are a most effective solution to remove up to 95% of the liquid condensate and dirt particles, down to 10 microns, from compressed air supply. Specially designed for portable use by sandblasting applications.

Advantages

2. Coalescent element.

Stainless steel coalescent element.

1. Steel tank.

3. Manual drain valve.

4. Safety valve.

Functional characteristics

Simple design, special for field use

Lower purchase and operating costs than by refrigerated or chemical drying systems

Cleaning with water only required for maintenance

Technical data

Max. working pressure, bar:	12
Capacity, m³/min:	20 / 30 / 45
Vessel volume, Litre:	50 / 150 / 250
Thread connection, inlet:	1.½" / 2" / 2"
Thread connection, outlet:	1.½" / 2" / 2"

Order code	Model	Description
13150100	CK-50	Portable high volume coalescent filter, capacity 20 m³/min
13150150	CK-150	Portable high volume coalescent filter, capacity 30 m³/min
13150250	CK-250	Portable high volume coalescent filter, capacity 45 m³/min

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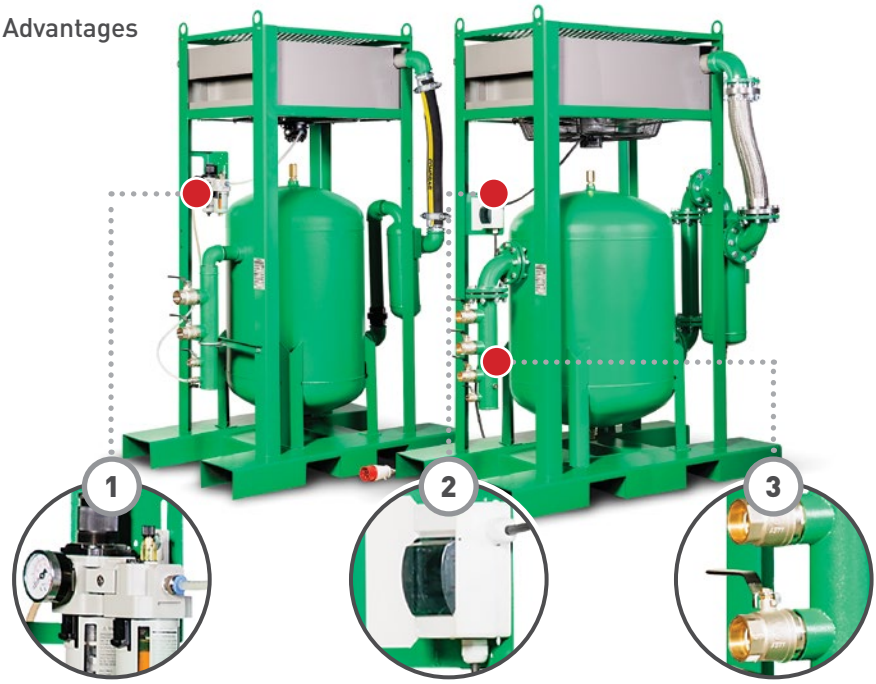
Portable suction blast tool **MEX-P / MEX-E**

Moisture extraction systems MEX remove condensate and oil from the air stream during abrasive blast cleaning. Condensate and oils in the abrasive blast cleaning system lead to the caking of abrasive material and potential blocking of the metering valves, hoses and nozzles. Dry and cleaned compressed air prevents caking of abrasive material, increases performance and reduces maintenance costs. Moisture extraction systems MEX are an efficient means of removing up to 95% of condensate and oil which are commonly present in compressed air. Dry air prevents moist abrasive material, which would lead to increased wear, downtime and extra servicing.

Advantages



1. The MEX-P aftercooler.

Is fitted with a pressure controller for controlling the air flow of the fan, and a filter and a lubricator to ensure the long service life of the pneuamtic drive.

2. The MEX-E aftercooler.

Is fitted with a contactor starter with dampproof and dust-proof casing.

3. Moisture Extraction Systems.

Are equipped with both cyclone and coalescing separators capable of elimi-nating up to 95% of condensed moisture from compressed air.

Functional characteristics

Durable full welded construction

Pneumatic or electric drive

Distributing header to three or four ball valves

Efficient cyclone separator

Designed for operation

With any brand of portable and stationary screw compressor unit. Compressed air flowing from a diesel compressor has a high temperature of approximately 90°C. At such a temperature, compressed air contains a large amount of moisture in the form of steam vapour. If an aftercooler and cyclone condensate separator are not used, compressed air can add up to 21.5 litres of water per hour into the system with a compressor operating at 5.7 m³/min capacity and a pressure of 7 bar. Moisture extraction systems MEX cool compressed air to a temperature 3° C - 10° C higher than the ambient temperature. Once the air is cooled, vapour moisture condenses and up to 95% of condensed moisture may be eliminated from the system.

Technical data

Max. working pressure, bar:	12
Capacity, m³/min:	20 / 30
Voltage, V / Ph / Hz:	400 / 3 / 50
Power, kW:	0,135 / 0,82
Pressure of air motor min/max, bar:	2 / 6
Consumption of compressed air with min/max pressure of air motor, m³/min:	0,6 / 1,4

Order code	Model	Description
14380001	MEX-P-1	Moisture extraction system, capacity 20 m³/min, pneumatic drive
14380002	MEX-P-2	Moisture extraction system, capacity 30 m³/min, pneumatic drive
14380011	MEX-E-1	Moisture extraction system, capacity 20 m³/min, electric drive
14380012	MEX-E-2	Moisture extraction system, capacity 30 m³/min, electric drive

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