

## Portable Compressed Air Aftercoolers ACP/ACE



**APPLICATION**  
Abrasive blast cleaning, paint spraying with a pneumatic drive, gunning, and construction and road works using pneumatic tools.

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.

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 pneumatic drive.

The ACE aftercooler



is fitted with a contactor starter with damp-proof and dust-proof casing.

ACP/ACE aftercooler



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

## 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 m<sup>3</sup>/min capacity and a pressure of 7 bar. ACP/ACE aftercoolers of compressed 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.

## Functional characteristics

- portable design
- pneumatic or electric drive
- efficient cyclone separator
- distributing header to three or four ball valves
- pressure controller / filter / lubricator (ACP)
- contactor starter in sealed casing (ACE)
- inflated wheels

Technical data	ACE-1	ACE-2	ACE-3	ACP-1	ACP-2	ACP-3
Maximum working pressure, bar	12					
Capacity, m <sup>3</sup> /min	8	14	20	8	14	20
Voltage, V	380~ /50 Hz			-	-	-
Power, kW	0,3	0,9	0,7	-	-	-
Pressure of air motor min/max, bar	-			2 / 6		
Consumption of compressed air with min/max pressure of air motor, m <sup>3</sup> /min	-			0,6 / 1,4		
Thread connection, inlet	1½"	2"	3"	1½"	2"	3"
Thread connection, outlet	1x¾" 1x1" 1x1¼"	1x¾" 1x1¼" 1x1½"	1x¾" 1x1¼" 2x1½"	1x¾" 1x1" 1x1¼"	1x¾" 1x1¼" 1x1½"	1x¾" 1x1¼" 2x1½"

Order code	Model	Description
14390001	ACP-1	Compressed air aftercooler, capacity 8 m <sup>3</sup> /min, pneumatic drive
14390002	ACP-2	Compressed air aftercooler, capacity 14 m <sup>3</sup> /min, pneumatic drive
14390003	ACP-3	Compressed air aftercooler, capacity 20 m <sup>3</sup> /min, pneumatic drive
14390011	ACE-1	Compressed air aftercooler, capacity 8 m <sup>3</sup> /min, electric drive
14390012	ACE-2	Compressed air aftercooler, capacity 14 m <sup>3</sup> /min, electric drive
14390013	ACE-3	Compressed air aftercooler, capacity 20 m <sup>3</sup> /min, electric drive