

A range of effective after-coolers and water separators to match your compressor

Atlas Copco offers a range of after-coolers and water separators, which combine internal or pressure drop with high cooling efficiency and low energy consumption.

After-coolers are supplied complete with all necessary parts. They are compact, simple to install and easy to dismantle for cleaning. The negligible pressure drop allows the after-coolers to require virtually no loss of power to compressed air-driven tools, machines and pneumatic devices. Thus no extra demand is placed on the compressor and no additional energy or maintenance costs are incurred.

In addition, the Atlas Copco solution provides a number of important advantages:

- ① special, highly efficient exchanger by cyclone
- ② minimum maintenance
- ③ totally rustproof materials
- ④ the assembly of the connection flanges is easy

Atlas Copco after-coolers, whether cooled by air or water, are reliable, require minimal maintenance and provide trouble-free protection against the costly effects of water in your systems. Both types of after-cooler deliver air into the air-end at a temperature suitable for most types of air drivers.

Water-cooled HD after-coolers

Atlas Copco HD water-cooled after-coolers are designed to combine a high level of cooling with excellent water conservation. By air leaving the compressor recirculates in a handle of stainless steel tubes, with the cooling water and the compressor oil flowing in opposite directions. A water separator is provided with the cooler as standard.

The cooling tubes are metal made to prevent corrosion for more rapid cooling. If this is not possible, to ensure the cooling effect, the water is deflected by baffles.



Air-cooled TD after-coolers

Atlas Copco TD air-cooled after-coolers have maximum space cooling capacity. An electrically driven fan, shielded by a protector for user safety, forces cooling air between the fins. High cooling efficiency is combined with low energy consumption.

The after-cooler is mounted on a sturdy frame. A water separator is delivered as standard with the TD15000 cooler. The TD 400 is delivered with wall-mounting brackets and incorporates a drain collector with manual drain.



Efficient water separators, automatic and intelligent drainage

WSD water separators

The water separator provided by Atlas Copco has a compact, pocket-like automatic drain (integrated pressure condensed water from building up in the cooler). The water separator is delivered as standard with the after-cooler. They can also be installed in any point of your air net.

More and more of today's professional, heavy-duty pneumatic systems have a very efficient separator by cyclone. Many versions without moving parts, they have an automatic and manual drain.



| Type | Capacity range | | Dimensions (mm) | | Connections | | | | | | Weight | | | |
|--------|----------------|------|-----------------|-----|-------------|-------|-------|-------|-------|-------|--------|-------|-------|----|
| | IN | OUT | INLET | OUT | INLET | INLET | INLET | INLET | INLET | INLET | INLET | INLET | INLET | |
| WSD 2 | 7.0 | 10.0 | 25 | 25 | 11 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| WSD 3 | 10.0 | 15.0 | 35 | 35 | 11 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| WSD 4 | 15.0 | 20.0 | 45 | 45 | 11 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| WSD 5 | 20.0 | 25.0 | 55 | 55 | 11 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| WSD 6 | 25.0 | 30.0 | 65 | 65 | 11 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| WSD 7 | 30.0 | 35.0 | 75 | 75 | 11 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| WSD 8 | 35.0 | 40.0 | 85 | 85 | 11 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| WSD 9 | 40.0 | 45.0 | 95 | 95 | 11 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| WSD 10 | 45.0 | 50.0 | 105 | 105 | 11 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |

① Dimensions for reference only.

WD automatic condensate drains

The WD 30 drain valve provides complete automatic drainage of the condensate which collects at the bottom of the air receiver. The patented Atlas Copco design eliminates trouble some mechanical drainages.

The automatic drain can be installed at the lowest point of a compressed air net, for example at the bottom of a receiver or system separator etc. Maintenance is minimal.



| Type | Maximum working pressure | | Dimensions (mm) | | Connections | | | | | | Weight | | |
|-------|--------------------------|-----|-----------------|-----|-------------|-------|-------|-------|-------|-------|--------|-------|----|
| | INLET | OUT | INLET | OUT | INLET | INLET | INLET | INLET | INLET | INLET | INLET | INLET | |
| WD 30 | 30 | 30 | 50 | 50 | 11 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |

EWD electronic condensate drains

The exact wet pressure

The range of EWD electronic controlled condensate drains is complete with safe, dependable and economical condensate management.

The intelligent drain function removes condensate buildup with fixed level sensors and evacuates the condensate only when necessary. This helps to reduce compressor oil and gives considerable energy savings.

The EWD drain drain offers security and reliability, enabling you to solve all condensate drainage problems even with heavily contaminated systems.

A wide range of EWD drain is available for all common vessel condensates and also may be provided with additional heat coating for use with oil-free and aggressive condensates.



| Type | Max. compressor capacity ¹⁾ | | Max. inlet pressure | | Dimensions | | | | | | Weight | | |
|---------|--|-----|---------------------|-----|------------|-------|-------|-------|-------|-------|--------|-------|-----|
| | IN | OUT | IN | OUT | INLET | INLET | INLET | INLET | INLET | INLET | INLET | INLET | |
| EWD 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| EWD 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| EWD 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| EWD 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| EWD 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| EWD 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| EWD 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| EWD 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| EWD 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| EWD 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| EWD 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| EWD 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| EWD 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| EWD 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| EWD 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| EWD 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| EWD 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| EWD 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| EWD 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

① Air flow in m³/min at 7 bar absolute pressure.

② Subject to all the accessories.

③ With an external control for oil-free condensate.