

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 combines minimal air 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 effected by the after-coolers means 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:

- special, highly efficient separation by cyclone
- maximum maintenance
- totally rustproof material
- the assembly of the connection flanges is easy

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

Water-cooled HD after-coolers

Atlas Copco HD water-cooled after-coolers are designed to combine a high level of cooling with economic water consumption. The air leaving the compressor is cooled in a bundle of stainless steel tubes, with the cooling water and the compressed air flowing in opposite directions. A water separator is provided with the cooler as standard.

The cooling tubes are nested inside to create turbulence for more rapid cooling of the compressed air. To improve the cooling effect, the water is deflected by baffles.



Air-cooled TD after-coolers

Atlas Copco TD air-cooled after-coolers have an aluminium block cooling element. An electrically driven fan, situated at a distance 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 TD-SD coolers. The TD DB 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 separators provided by Atlas Copco have single or partly reliable automatic drain devices prevent condensed water from building up in the cooler. The water separators are delivered as standard with the after-coolers. They can also be installed in any point of your air net.

Made entirely of totally rustproof material, these general purpose separators feature very efficient separation by cyclone. Maintenance free with no moving parts, they have an automatic and manual drain.



Type	Capacity range		Maximum working pressure		Connection	Dimensions						Weight		
	lit	cfm	bar	psi		height	width	width	length	width	height	kg	lbs	
WSD 10	100	141.02	10	150	G 1/2"	100	100	100	100	100	11	24	1.1	2.4
WSD 15	150	211.53	10	150	G 1/2"	100	150	100	100	100	11	24	1.1	2.4
WSD 20	200	282.04	10	150	G 1/2"	100	200	100	100	100	11	24	1.1	2.4
WSD 30	300	423.06	10	150	G 1/2"	100	300	100	100	100	11	24	1.1	2.4

*WSD 10 not to be installed up to this diameter

WD automatic condensate drains

The WD DR drain valve provides completely automatic drainage of the condensate which collects at the bottom of the air receiver. The patented Atlas Copco design eliminates troublesome mechanical linkages.

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



Type	Maximum working pressure		Max. capacity	Connection	Dimensions						Weight			
	bar	psi			height	width	width	length	width	height	kg	lbs		
WD 10	10	150	100	G 1/2"	100	100	100	100	100	100	11	24	1.1	2.4

EWD electronic condensate drains

The exact net pressure

The range of EWD electronically controlled condensate drains is synchronous with each, dependent and economical condensate management.

The intelligent drain function monitors condensate build-up with liquid level sensors and empties the condensate only when necessary, thus avoiding wastage of compressed air and giving considerable energy savings.

The EWD shock device offers security and confidence, enabling you to solve all condensate discharge problems even with heavily contaminated systems.

A wide range of different EWD drains is available for air contaminated condensate and also may be provided with additional load coating for use with oil-free and aggressive condensate.



Type	Max. compressor capacity 1		Max. net capacity 2		Max. pressure		Dimensions						Weight	
	lit	cfm	lit	cfm	bar	psi	height	width	width	length	width	height	kg	lbs
EWD 10	100	141.02	100	141.02	10	150	100	100	100	100	100	100	11	24
EWD 15	150	211.53	150	211.53	10	150	100	150	100	100	100	100	11	24
EWD 20	200	282.04	200	282.04	10	150	100	200	100	100	100	100	11	24
EWD 30	300	423.06	300	423.06	10	150	100	300	100	100	100	100	11	24
EWD 40	400	564.08	400	564.08	10	150	100	400	100	100	100	100	11	24
EWD 50	500	705.10	500	705.10	10	150	100	500	100	100	100	100	11	24
EWD 60	600	846.12	600	846.12	10	150	100	600	100	100	100	100	11	24
EWD 80	800	1128.16	800	1128.16	10	150	100	800	100	100	100	100	11	24

1: in full compressor condition
 2: partial compressor load (0.125 MPa)
 - atmospheric TD 10

10: suitable for all line conditions

11: with wall connection using for all line conditions

HD water-cooled after-cooler

Type	Nominal flow *		Maximum working pressure		At above cooling water **		Max. cooling capacity		
	l/s	cfm	bar(a)	psi	°C	°F	l/s	cfm	BTU/h
HD 4	87	302	16	232	7	45	1.11	39	3.8
HD 6	127	450	16	232	7	45	1.66	59	5.5
HD 8	167	595	16	232	7	45	2.21	78	7.5
HD 10	207	740	16	232	7	45	2.77	97	9.5
HD 15	307	1095	16	232	7	45	4.15	146	14.0
HD 20	407	1450	16	232	7	45	5.53	195	18.5
HD 25	507	1805	16	232	7	45	6.91	244	23.0
HD 30	607	2160	16	232	7	45	8.29	293	27.5
HD 40	807	2875	16	232	7	45	11.05	391	36.0
HD 50	1007	3590	16	232	7	45	13.81	489	44.5

* HD water-cooled after-cooler

Type	Air inlet / outlet connections Ø		Dimensions						Weight		Working pressure	W of cooling water
	inlet	outlet	Height		Width		Length		kg	lbs		
HD 4	2 1/2"	2 1/2"	100	111	114	11	114	11	38	83	11.0	1.1
HD 6	2 1/2"	2 1/2"	110	121	124	11	124	11	51	112	11.0	1.1
HD 8	2 1/2"	2 1/2"	120	131	134	11	134	11	64	141	11.0	1.1
HD 10	2 1/2"	2 1/2"	130	141	144	11	144	11	77	169	11.0	1.1
HD 15	3 1/4"	3 1/4"	150	161	164	11	164	11	100	220	11.0	1.1
HD 20	3 1/4"	3 1/4"	160	171	174	11	174	11	113	249	11.0	1.1
HD 25	3 1/4"	3 1/4"	170	181	184	11	184	11	126	278	11.0	1.1
HD 30	3 1/4"	3 1/4"	180	191	194	11	194	11	139	307	11.0	1.1
HD 40	4 1/4"	4 1/4"	210	221	224	11	224	11	182	401	11.0	1.1
HD 50	4 1/4"	4 1/4"	220	231	234	11	234	11	205	452	11.0	1.1

TD air-cooled after-cooler

Type	Nominal flow *		Maximum working pressure		At above ** ambient temperature		Max. cooling capacity	
	l/s	cfm	bar(a)	psi	°C	°F	l/s	cfm
TD 4	8	28	16	232	12	54	1.02	35
TD 6	12	42	16	232	12	54	1.53	53
TD 8	16	56	16	232	12	54	2.04	72
TD 10	20	70	16	232	12	54	2.55	90
TD 15	30	105	16	232	12	54	3.82	134
TD 20	40	140	16	232	12	54	5.09	178

* Referenced to absolute pressure of 1 bar and temperature of 20 °C. Compressed air at or 80 °C.

Type	Air inlet / outlet connections Ø		Dimensions						Weight		W of cooling water
	inlet	outlet	Height		Width		Length		kg	lbs	
TD 4	2 1/2"	2 1/2"	100	111	114	11	114	11	38	83	1.1
TD 6	2 1/2"	2 1/2"	110	121	124	11	124	11	51	112	1.1
TD 8	2 1/2"	2 1/2"	120	131	134	11	134	11	64	141	1.1
TD 10	2 1/2"	2 1/2"	130	141	144	11	144	11	77	169	1.1
TD 15	3 1/4"	3 1/4"	150	161	164	11	164	11	100	220	1.1
TD 20	3 1/4"	3 1/4"	160	171	174	11	174	11	113	249	1.1

In order to be First in Mind—First in Choice® for all your compressed air needs, Atlas Copco delivers the products and services that help increase your business' efficiency and profitability.

Atlas Copco's pursuit of innovation never ceases, driven by your need for reliability and efficiency. Always working with you, we are committed to providing you the customized quality air solution that is the driving force behind your business.



Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.

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HD 4-96 & TD 8-650, WSD 25-750 & WD 80/EWD 50-1500