



Cooling units

Rollepaal has a complete range of vacuum and spray cooling equipment for pipe diameters from 10 to 1600mm (0.4" to 64"). The controlled environment of the cooling units increases accuracy in the production process.



Rollepaal

Pipe Extrusion Technology



Cooling units

Rollepaal Vacuum Cooling

Our vacuum cooling tanks meet our customers' highest standards. Whether this concerns improving outputs where cooling length is restricted or critical applications requiring absolute control over vacuum and water temperature, Rollepaal vacuum cooling tanks offer the best performance available. The tanks are manufactured to the highest quality and are designed to be easy to operate, easy to install and easy to maintain. This makes these the favourite choice for both operators and plant managers worldwide.

With cooling tanks that are equipped as standard to meet any challenge, Rollepaal also offers various options to reduce energy consumption, include redundancy and/or incorporate specialised cooling equipment. Upon request the tanks can be customised to fit into any production environment.

Product range

RSV Rollepaal vacuum cooling units

	Min. Ø (mm)	Min. Ø (inch)	Max. Ø (mm)	Max. Ø (inch)	Vacuum chambers
4	16	0.63	125	5	1 or 2
8	50	2	250	10	1 or 2
16	110	4	410	16	1 or 2
20	160	6	520	20	1 or 2
24	250	10	630	24	1 or 2
30	400	16	800	32	1 or 2
40	560	18	1000	40	1 or 2
48	800	24	1200	48	1 or 2
64	800	32	1600	64	1 or 2

RDV Rollepaal dual vacuum cooling units

	Min. Ø (mm)	Min. Ø (inch)	Max. Ø (mm)	Max. Ø (inch)	Vacuum chambers
4	10	0.4	63	2.5	1
8	24	1	125	5	1 or 2
16	50	2	250	10	1 or 2

Rollepaal Spray Cooling

Stationed behind the vacuum cooling section, the spraying bath cools the pipe further by spraying water on the pipe under atmospheric conditions. Fresh water is supplied to maintain the set temperature level. The water level is kept constant with an overflow outlet.

The spray cooling is intended for use in the daily production environment. The spray cooling chamber is a welded shell, made of V2A stainless steel.

There are multiple aluminium covers with a rubber seal insert on the top. The spray nozzles are fixed alongside the tank. The seals at product feed-in and outlet points adapt to the pipe diameter. Pipes are supported on rollers or disks (depending on the application). The sprayer cooler is supported on a robust welded frame. The height can be adjusted by turning two screws on each console.

RSC Rollepaal atmospheric cooling units

	Min. Ø (mm)	Min. Ø (inch)	Max. Ø (mm)	Max. Ø (inch)	Vacuum chambers
4	16	0.63	125	5	
8	50	2	250	10	
16	110	4	410	16	
20	160	6	520	20	
24	250	10	630	24	
30	400	16	800	32	
40	560	18	1000	40	
48	800	24	1200	48	
64	800	32	1600	64	

RDC Rollepaal dual atmospheric cooling units

	Min. Ø (mm)	Min. Ø (inch)	Max. Ø (mm)	Max. Ø (inch)	Vacuum chambers
4	10	0.4	63	2.5	1
8	16	0.63	125	5	1 or 2
16	50	2	250	10	1 or 2

Features and benefits

- Standard long-lasting air controlled valves, suitable for contaminated water
- New water level control, not sensitive for contaminated water
- Rigid and sturdy stainless steel construction
- Cost savings thanks to quick tool change design
- Stable vacuum and efficient cooling
Highly efficient electric motors
Stable water temperature control
- Quick start up as seals maintain vacuum even with non-standard shaped pipe