

HT

High temperature vortex cooler

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This high temperature Vortex cooler, HT, with a IP 66 protection degree, is easy to install, has no moving parts, and is maintenance free. In addition to cooling, it also reduces the relative humidity within the enclosure it is mounted on. This Vortex cooler is an ideal solution to prevent overheating within the enclosure in environments up to 93°C, for example in a steel mill.

Description: Compact and reliable way to cool enclosures. It produces cold air from compressed air, with no moving parts. The easy mounting, through a standard electrical knockout, makes this solution especially suitable to be installed, even when the enclosures are already in the field. For a continuous Vortex operating, relative humidity inside the enclosure is maintained at approximately 45%, no moisture condenses inside the enclosure (the enclosure must be sealed). Suitable even for ambient temperatures up to 93 °C, the internal components can withstand these high temperatures, and includes a silencer to minimize the noise. The coolers must be installed vertically to maintain the protection degree.

Material: Internal vortex tube manufactured in stainless steel. External cover, BP TYPE 12 in plastic and aluminium, BP TYPE 4 in aluminium, and TYPE 4X in stainless steel.

Protection: Depending on type, up to IP 66 | TYPE 4X.

Pack quantity: Vortex cooler with mounting accessories.

IP 66 | TYPE 4X

CE

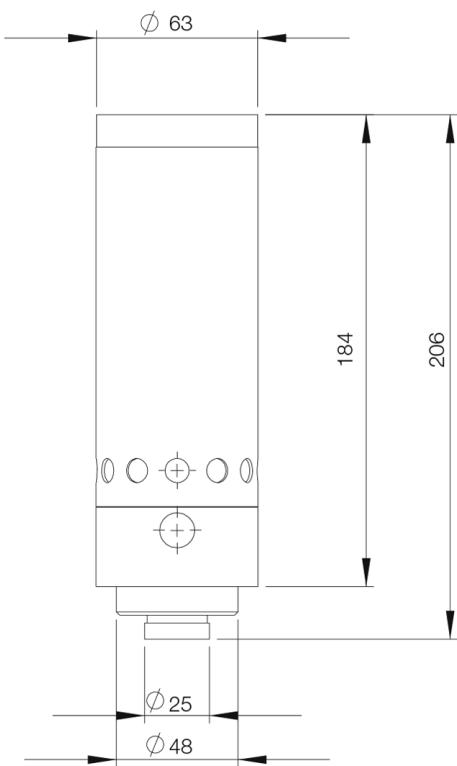
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Front view



IP 66 | TYPE 4, Aluminium

H	Cooling Capacity (W)	Air flow (l/min)	Noise (dB)	Silencer included	Low pressure relief valve	Installation cut-out diam. (mm)	Air inlet	Weight (kg)	Item no.
184	293	425	73	Yes	Yes	48	1/4"	1.20	HT4615
184	586	850	74	Yes	Yes	48	1/4"	0.85	HT4630
184	820	1133	78	Yes	Yes	48	1/4"	1.05	HT4640

IP 66 | TYPE 4X, Stainless steel

H	Cooling Capacity (W)	Air flow (l/min)	Noise (dB)	Silencer included	Low pressure relief valve	Installation cut-out diam. (mm)	Air inlet	Weight (kg)	Item no.
184	293	425	73	Yes	Yes	48	1/4"	1.20	HT4615SS
184	586	850	74	Yes	Yes	48	1/4"	0.85	HT4630SS
184	820	1133	78	Yes	Yes	48	1/4"	2.30	HT4640SS

Cooling capacity is calculated with pressured air being 20 °C and having 7-bar pressure.