

# Vortex Cooler, BP



This Vortex cooler, BP 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.

## FEATURES

**Description:** Compact, reliable and low cost way to cool and purge 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 below 45%, no moisture condenses inside the enclosure (the enclosure must be sealed). Most TYPE 4 and 4X units include 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 4X in stainless steel.

**Protection:** Depending on type, up to IP66 | TYPE 4X.

**Pack quantity:** Vortex cooler with mounting accessories.

This reliable solution reduces the customer's labour cost due to the ease of installation

It is recommended to install a thermostat, BPT, as well as an air distribution kit, BPA

**Pack quantity:** Vortex cooler with mounting accessories

## SPECIFICATIONS

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**Finish:** Brushed

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Catalog Number	E-Number	Height	Width	Depth	Material	Nominal Capacity Watts
BP4615SS	2502381	185mm	63mm	63mm	Stainless Steel	293W
BP4030	2502376	203mm	38mm	52mm	Stainless Steel	586W
BP4040	2502377	203mm	38mm	52mm	Stainless Steel	820W
BP4015	2502375	203mm	38mm	52mm	Stainless Steel	293W
BP4615	2502380	185mm	63mm	63mm	Stainless Steel	293W
BP4630	2502382	185mm	44mm	44mm	Stainless Steel	586W
BP4630SS	2502383	185mm	63mm	63mm	Stainless Steel	586W
BP4640SS	2502385	185mm	63mm	63mm	Stainless Steel	820W
BP4640	2502384	185mm	63mm	63mm	Stainless Steel	820W
BP4608	2502378	126mm	44mm	44mm	Stainless Steel	162W
BP4608SS	2502379	126mm	63mm	63mm	Stainless Steel	162W
BP4008	2502374	131mm	32mm	38mm	Stainless Steel	162W

## ADDITIONAL PRODUCT DETAILS

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

Silencer is not included with items BP4008, BP4015, BP4030, BP4040 BP4608, BP4608SS.

Low pressure relief valve is not included with item BP4008, BP4015, BP4030, BP4040.

## WARNING

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nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



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