

nVent HOFFMAN stainless steel

Sloped roof wall mount enclosures

Specialised enclosures for protecting
valuable equipment in mining and
other dusty applications



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nVent HOFFMAN stainless steel wall mount SRE enclosures are ideally suited for all mining applications.

Robust design

- High impact resistance rating of IK10 - the highest possible
- IP66 ingress protection
- 38° sloped roof (the angle of repose for coal)
- High resistance to vandalism
- Folded and seam welded body
- Stainless steel concealed hinges with captive pin
- Marine grade 316L stainless steel for maximum corrosion resistance

Innovative features

- Sloped roof prevents accumulation of liquids, dust and other debris
- Optional depth adjustment kit for mounting flexibility
- Flange top and bottom for easy mounting
- Easy to clean by hosing down in dusty and dirty locations
- White silicone gasket is UV and chemical resistant with almost zero water absorption
- Mounting plate supplied marked at 10mm increments for easy component layout
- Multiple earthing studs to simplify wiring and save time
- Four standard sizes to accommodate the majority of common applications
- Available in natural stainless steel and X1 orange finishes

Models shown below are supplied in an X15 orange powder coat finish

Enclosure dimensions (mm)								
Front H	W	D	Weight (kg)	Mounting plate height (mm)	Mounting plate width (mm)	Max. usable depth (mm)	Number of door locks	Catalogue no.
300	200	150	5	270	150	132	1	SRE0302015316X15
400	300	210	8	370	250	192	1	SRE0403021316X15
400	600	260	24	370	550	242	1	SRE0406026316X15
600	400	260	24	570	350	242	2	SRE0604026316X15
600	600	300	28	570	550	282	2	SRE0606030316X15
800	600	300	31	770	550	282	2	SRE0806030316X15
800	800	300	40	770	750	282	2	SRE0808030316X15
1000	800	300	55	970	750	282	1*	SRE1008030316X15

*1000 mm high enclosures and above have espagnolette three point locking or 3 locks

Ordering information - Enclosures

Enclosure dimensions (mm)								
Front H	W	D	Weight (kg)	Mounting plate height (mm)	Mounting plate width (mm)	Max. usable depth (mm)	Number of door locks	Catalogue no.
300	200	150	5	270	150	132	1	SRE0302015316
400	300	210	8	370	250	192	1	SRE0403021316
400	400	210	12	370	350	192	1	SRE0404021316
400	600	260	24	370	550	242	1	SRE0406026316
600	400	260	24	570	550	282	2	SRE0604026316
600	600	210	26	570	550	192	2	SRE0606021316
600	600	300	28	570	550	282	2	SRE0606030316
800	600	300	31	770	550	282	2	SRE0806030316
800	800	300	40	770	750	282	2	SRE0808030316
1000	600	400	48	970	550	382	1*	SRE1006040316
1000	800	300	55	970	750	282	1*	SRE1008030316

*1000 mm high enclosures and above have espagnolette three point locking or 3 locks

Models shown below are supplied in an X15 orange powder coat finish

Enclosure dimensions (mm)										
Inner doors*	Glazed doors*	Modular chassis*	Interior mounting profiles*	Depth adjustment*	Document holder*	Door switch*	Enclosure lights*	Filter fans / filter grilles*	Pressure compensation /drainage devices*	Catalogue no.
ADI04030R5 ADIS04030		-	-	AMTExxxx	-	-	-	E21407SS, GSV10002xx / GSF10	28402001 DD084 DA28404000	SRE0302015316
	ADC504030316	AC04030R5	MMDP040 DIP210	AMTExxxx AMG210	DRB0303R5 DRA4	ADSW01	LED0254xxxx TL40014W	E214xxSS, GSVxx / GSFxx / EFCSxxxx	28402001 DA28455 DD084 DA28404000	SRE0403021316 SRE0404021316 SRE0406026316
	ADI06040R5	AC06040R5	MMDP060 DIP260 CLPK400 CLPK600 CLPF400 CLPF600	AMTExxxx, AMG260	DRB0303R5 DRA4	ADSW01	LED0254xxxx TL40014 TLCL87035	E214xxSS, GSVxx / GSFxx / EFCSxxxx	28402001 DA28455 DD084	SRE0604026316
ADI08060R5	ADC508060316	AC08060R5	MMDP080 DIP300 CLPK600 CLPK800 CLPF600 CLPF800	AMTExxxx, AMG300	DRB600R5 DRB0303R5 DRA4	ADSW01	LED0254xxxx TL40014W TLCL87035	E214xxSS, GSVxx / GSFxx / EFCSxxxx	28402001 DA28455 DD084	SRE0806030316 SRE0606021316 SRE0606030316
	-	-	-	AMTExxxx	-	-	-	E21407SS GSV10002xx / GSF10	28402001 DD084	SRE0302015316X15
	ADI04030R5 ADIS04030	ADC504030316	-	MMDP040 DIP210 CLPK400 CLPK600 CLPF400 CLPF600	AMTExxxx AMG210	DRB0303R5 DRA4	ADSW01	LED0254xxxx TL40014W	28402001 DA28455 DD084	SRE0403021316X15 SRE0808030316 SRE1006040316 SRE1008030316
ADI06040R5	ADC506040316	AC06040R5	MMDP060 DIP260 CLPK400 CLPK600 CLPF400 CLPF600	AMTExxxx, AMG260	DRB0303R5 DRA4	ADSW01	LED0254xxxx TL40014W TLCL87035	E214xxSS, GSVxx / GSFxx / EFCSxxxx	28402001 DA28455 DD084	SRE0604026316X15
ADI08060R5	ADC508060316	AC08060R5	MMDP080 DIP300 CLPK600 CLPK800 CLPF600 CLPF800	AMTExxxx, AMG300	DRB600R5 DRB0303R5 DRA4	ADSW01	LED0254xxxx TL40014W TLCL87035	E214xxSS, GSVxx / GSFxx / EFCSxxxx	28402001 DA28455 DD084	SRE0806030316X15 SRE0808030316X15 SRE1008030316X15

Accessories for nVent HOFFMAN stainless steel SRE wall mount enclosures

There are many accessories available for nVent HOFFMAN stainless steel wall mount enclosures which are discussed in detail below. Due to the large number, the accessories have been grouped into the following categories:



Internal

- This includes inner doors, door stops, door hinges, glazed doors, mounting profiles and document holders



19" rack mounting

- Covers the range of 19" rack mount options, including brackets and profiles



Lighting

- Covers enclosure LED lighting options



Climate control

- This includes filter fans and grilles, fan hoods and pressure compensation devices

Internal accessories

This section includes all internal mounting accessories such as inner doors, mounting profiles, separation plates and brackets EXCEPT 19" rack equipment (separate section).



Inner doors for wall mount enclosures, ADIxxxxR5, ADISxxxx

ADI inner doors provide a hinged mounting surface for equipment such as displays, indicators or switches behind a standard or glazed front door, while covering other components and preventing unauthorised access. A usable mounting space of 35 mm is available between the doors when the inner door is in the forwardmost position.

Description Can be adjusted in depth with the AMG Depth Adjustment Kit. The inner door is equipped with one (H<700mm) or two (H700mm and higher ADI, H800mm and higher ADIS) double-bit 3 mm locks. ADI/ADIS inner doors are compatible with both mild steel and stainless steel enclosures and provide an IP2X protection rating. Supplied with two vertical profiles, top and bottom profiles and mounting accessories.

Note: machining is required to install the inner door

Ordering information		Mild steel powder coated inner doors
	ADI04030R5	Inner door, H400 x W300mm
	ADI06040R5	Inner door, H600 x W400mm
	ADI08060R5	Inner door, H800 x W600mm
Material	ADI: mild steel 1.5mm, 2mm top and bottom profiles, RAL 7035 structured powder coating ADIS: AISI 304 stainless steel 1.5mm door, 2mm top and bottom profiles 400 pre-grained finish	

Door stop, ADO202

Description ADO door stop can be easily mounted on site and prevents the door from closing unexpectedly, thus increasing operator safety. Available in both zinc plated and stainless steel variants, the ADO is supplied with mounting accessories.

Note – ADO door stops cannot be used on enclosures with a width of less than 300mm.

Ordering information	ADO202	Door stop in zinc plated steel, supplied with mounting accessories
	ADO202S	Door stop in stainless steel, supplied with mounting accessories
Material	ADI: mild steel 1.5mm, 2mm top and bottom profiles, RAL 7035 structured powder coating ADIS: AISI 304 stainless steel 1.5mm door, 2mm top and bottom profiles 400 pre-grained finish	





Glazed doors for wall mount enclosures, ADCSxxxx

Description	<p>ADCS glazed doors provide a hinged mounting surface for equipment such as displays, indicators or switches behind a standard or glazed front door, while covering other components and preventing unauthorised access. A mounting space of 80mm is available between the doors when the inner door is in the most forward position. Can be adjusted in depth by steps of 25mm.</p>	
Ordering information	<p>ADCS04030316 ADCS06040316 ADCS08060316</p>	<p>Glazed door, H400 x W300mm Glazed door, H600 x W400mm Glazed door, H800 x W600mm</p> <p>Note: other sizes are available on request, however a longer lead-time and minimum order quantity may apply. Please contact NHP with your query.</p>
Material	<p>1.5mm 316L stainless with 400 pre-grained finish</p>	



Modular chassis, ACxxxx

Description	AC modular chassis allows DIN rail components to be mounted quickly and easily. Maximum component height is 68mm and row spacing is 125mm. If required, the standard door can be replaced with a glazed door. The usable depth between the front cover and external door is 35mm. Supplied as a kit with slotted front panel, two vertical profiles, top and bottom blank panels, one DIN rail per row and mounting accessories. Machining is required to install the AC modular chassis.	
Ordering information	ACO4030R5	Modular chassis, H400 x W300mm
	ACO6040R5	Modular chassis, H600 x W400mm
	ACO8060R5	Modular chassis, H800 x W600mm
Material	DIN rails made of 1.2mm galvanised steel, vertical profiles and strong cover made of 1.5mm mild steel, RAL 7035 structured powder coat finish	



Door mounting profiles, MMDPxxxx

Description	MMDP mounting profiles provide additional stiffness to the enclosure door and allow electrical components and other accessories to be mounted easily on the door. MMDP are supplied as a pair with mounting accessories.	
Ordering information	MMDP040	Door mounting profiles, H400mm, set of 2
	MMDP060	Door mounting profiles, H600mm, set of 2
	MMDP080	Door mounting profiles, H800mm, set of 2
Material	1.2mm galvanised steel	



Depth interior profiles, DIPxxx

Description

The DIP (depth interior profile system) is a 40mm wide and 25mm high mounting profile which can be mounted on the enclosure depth. It can also be used in conjunction with CLPF profiles, providing flexibility for the mounting of accessories, components and other equipment such as enclosure lights. Two rows of hole patterns for cage nut fixing and self-tapping screws are provided. Supplied as a set of 4 with mounting accessories.

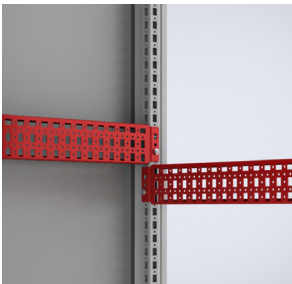
Note: DIP depth interior profiles cannot be used in conjunction with the AMG depth adjustment kit

Ordering information

DIP210	Depth interior profile 210mm, 150N max loading, set of 4
DIP260	Depth interior profile 260mm, 150N max loading, set of 4
DIP300	Depth interior profile 300mm, 150N max loading, set of 4

Material

Zinc plated steel



Click-in mounting profiles, CLPKxxx

Description

CLPK click-in mounting profiles allow additional accessories and equipment to be easily mounted where needed. This 75mm wide profile has three sets of holes, one of which is turned 90°, allowing the CLPK to be mounted in both horizontal and vertical directions. Supplied as a set of 4 with mounting accessories.

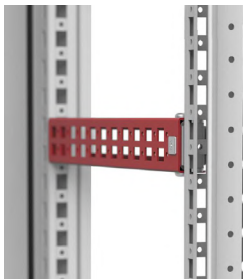
Note: CLPK profiles require DIP profiles to be installed first and are not suited to smaller ASR sizes. Please observe maximum loading of the DIP.

Ordering information

CLPK400	click-in profile W/D 400mm, set of 4
CLPK600	click-in profile W/D 600mm, set of 4
CLPK800	click-in profile W/D 800mm, set of 4

Material

1.5mm zinc plated steel



Mounting profiles, Snapline CLPFxxx

Description

The CLPF profile system is a 40mm wide and 25mm high mounting profile which can be mounted in all directions when used together with the DIP accessory, providing full flexibility for the mounting of accessories, components and other equipment. Two rows of hole patterns for cage nut fixing and self-tapping screws are provided. The CLPF is a Snapline accessory and can be quickly and easily installed without any tools. All CLPF profiles are supplied as a set of 4. CLPK profiles require DIP profiles to be installed first.

Please observe maximum loading of the DIP.

Ordering information

CLPF300	Snapline mounting profile W/D 300mm, set of 4
CLPF400	Snapline mounting profile W/D 400mm, set of 4
CLPF600	Snapline mounting profile W/D 600mm, set of 4

Material

Zinc plated steel



Depth adjustment kit, AMGxxx

Description

AMG depth adjustment kits allow the mounting plate, 19" profiles or an inner door to be mounted at various depths within the enclosure from 35 to 65mm from the door. AMG is supplied as two pairs with mounting accessories. Machining is required.

Note: the AMG depth adjustment kit cannot be used in conjunction with DIP depth interior profiles

Ordering information

AMG210	depth adjustment kit D210mm
AMG260	depth adjustment kit D260mm
AMG300	depth adjustment kit D300m

Material

2mm galvanised steel



Depth adjustment bolts, AMTExxx

Description

AMTE depth adjustment (spacer) bolts are an economical solution to mount the mounting plate at various depths within the enclosure, adjustment steps from 10mm to 100mm. The spacer bolts are supplied in packs of 20 or 50, depending on size.

Ordering information

AMTE8010	Spacer bolts m8, 10mm, qty 50
AMTE8020	Spacer bolts m8, 20mm, qty 50
AMTE8030	Spacer bolts m8, 30mm, qty 50
AMTE8040	Spacer bolts m8, 40mm, qty 20
AMTE8050	Spacer bolts m8, 50mm, qty 20
AMTE8055	Spacer bolts m8, 55mm, qty 20
AMTE8100	Spacer bolts m8, 100mm, qty 20

Material

Zinc plated steel



Document holders DRA4, DRBxxxR5

Description

Document holders can be mounted in the enclosure to ensure that the required documents are readily available.

The DRA4 document pocket, with a usable depth of 30mm suits documents up to A4 in size and is made from polymer and attaches easily with double sided tape.

The DRBxxxR5 range of document pockets, with a usable depth of 68mm, is designed for mounting to the enclosure door frame. It is made from powder coated mild steel and is available in several sizes to suit various width enclosure doors.

Ordering information

DRA4	Self-adhesive document pocket A4
DRB03030R5	Universal document pocket 300mm wide
DRB600R5	Document pocket for w600mm doors

Material

DRA4	thermoplastic, RAL 7035
DRBxxxxR5	2mm zinc plated steel with RAL 7035 structured powder coating

An aerial photograph of a large open-pit mine. The mine is characterized by deep, terraced levels of reddish-brown earth and rock. Several winding dirt roads are visible, cutting through the different levels of the mine. The overall scene is one of intense industrial activity and significant land excavation.

Mining and other dusty applications

Protecting valuable equipment

Enclosure lighting

This section provides a high-level overview of the enclosure lighting options available.



Door switch ADSW01

Description

ADSW01 door switches allow lights or other electrical devices to turn on or off automatically when the enclosure door is opened. They include a NO (normally open) and one NC (normally closed), volt-free contact. Designed to be mounted directly to the enclosure frame. The mounting locations ensure that the switch is always positioned for correct operation once installed.

Note: machining is required to install the ADSW01

Ordering information

ADSW01	Door switch 3A / 240V, supplied with mounting accessories
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Material

Polymer body



Enclosure lights, LED0254xxxx

Description

LED 025 enclosure lights, manufactured by Stego, are suitable for all enclosures. They are available in 100-240V AC and 24-48V DC versions in both screw mount and magnet mount. With 400 lumens, 120° illumination angle and daylight white (6000K) colour, they provide good illumination inside the enclosure.

Please contact NHP for additional information and other options.

Ordering information

LED02540001	LED 025 lamp 5W/400Lm 100-240V AC, screw mount, ON/OFF switch, supplied with connector
LED02540101	LED 025 lamp 5W 24-48V DC, screw mount, motion detector, supplied with connector

Material

Transparent plastic housing

Climate control

This section provides a high-level overview of the climate control options available. Please refer to the Climate Control Selection Guide or contact NHP for more details.

Fan covers, EFCSxxxx



Description

EFCS fan covers feature a sloped roof and prevent rain and water in hose-down applications hitting the filter fan or filter grille. Supplied with mounting accessories. Made from 316 grade stainless steel, are compatible with both mild and stainless steel enclosures and should always be used where the enclosure is likely to be exposed to rain or hose-down cleaning. The EFCS is available in three sizes to suit different sizes of the GSV filter fans and GSF filter grilles.

Note: EFCS is not suitable for the SRE0302015316 due to depth

Ordering information

EFCS20316	Fan cover h275 x w175 x d100mm, suits gsv1000, gsf10 sizes
EFCS2530316	Fan cover h375 x w275 x d100mm, suits gsv1500, gsf2000, gsv2500, gsf15, gsf20 and gsf25 sizes

Material

1.5mm 316 grade stainless steel

Filter fans GSVxxxx and filter grilles GSFxx



Description

Kryos3 GSV filter fans and GSF filter grilles, manufactured by Cosmotec, are easy to install with clip-on mounting. GSV filter fans have efficient filter mats, screwless terminals, long life ball bearing fans and have a reversible fan motor for air in or air out. Available in a range of sizes and air flows, they are suitable for all floor standing enclosures and have IP54 protection. They can be used both indoors and outdoors, however a suitable EFCS fan cover should be installed in locations where inclement weather, or hose-down cleaning may occur.

Replacement filter mats are available.

For more information on the GSV/GSF range, please refer to the Climate Control Selection Guide and Price List Catalogue.

Ordering information

GSV1000211	Filter fan h119 x w119 x d58mm 24v dc 35m3/hr
GSV1000220	Filter fan h119 x w119 x d58mm 230v ac 35m3/hr
GSV1500211	Filter fan h152 x w152 x d75mm 24v dc 67m3/hr
GSV1500220	Filter fan h152 x w152 x d75mm 230v ac 67m3/hr
GSV2000211	Filter fan h204 x w204 x d98mm 24v dc 108m3/hr
GSV2000220	Filter fan h204 x w204 x d98mm 230v ac 108m3/hr
GSV2500211	Filter fan h250 x w250 x d118mm 24v dc 190m3/hr
GSV2500220	Filter fan h250 x w250 x d118mm 230v ac 190m3/hr
GSV2501220	Filter fan h250 x w250 x d99mm 230v ac 270m3/hr

Material

1.5mm 316 grade stainless steel



Filter fans GSVxxxx and filter grilles GSFxx

Ordering information	Filter grilles	
	GSF10	Filter grille H119 x W119 x D29mm GSF15
		Filter grille H152 x W152 x D33mm GSF20
	GSF25	Filter grille H204 x W204 x D34mm Filter grille H250 x W250 x D48mm
Ordering information	Replacement filter mats	
	AVAFAGS10	Replacement filter mat IP54 suits GSV1000, GSF10, pack of 10
	AVAFAGS15	Replacement filter mat IP54 suits GSV1500, GSF15, pack of 10
	AVAFAGS20	Replacement filter mat IP54 suits GSV2000, GSF20, pack of 10
	AVAFAGS25	Replacement filter mat IP54 suits GSV2500, GSF25, pack of 10
Material	Filter fan and filter grille body, ABS filter mat, synthetic fibre	



Pressure compensation devices, DA284xx

Description	DA284 pressure compensation devices, manufactured by Stego, are easy to install and provide effective pressure equalisation between the inside and outside of the enclosure.	
	The one-way membrane allows moisture to escape while preventing the ingress of liquid, dirt and debris. AS3000:2018 clause 1.7.2 states that "a breathing/pressure equalization valve shall be installed to assist with changes in humidity and drainage of moisture". Therefore, to comply with the new AS3000:2018 standards, pressure compensation devices must be fitted to all enclosures where condensation is likely to occur - in practice, all enclosures installed outdoors.	
	Pressure compensation devices should always be installed in pairs on opposite sides of the enclosure. The Stego DA284 is available in stainless steel and has an ingress protection rating of IP66 according to EN 60259 and IP69K according to EN 400050-9.	
	Ordering information	
	28402001	Pressure compensation device, aisi 303 grade stainless steel, m12 ip66/x9k (qty 1)
	DA28455	Pressure compensation device, aisi 303 grade stainless steel, m40 ip66/x9k (qty 1)
	DA28404000	Pressure compensation device, nickel-plated aluminium, m12, ip67 (qty 1)
Material	303 or 316L grade stainless steel, or nickel-plated aluminium, model dependent	



Drainage device, DD084

Description	DD084 drainage devices, manufactured by Stego, are easy to install and provide effective drainage of any condensation at the bottom of the enclosure. The one-way membrane allows up to 200ml/h of liquid to escape while preventing the ingress of liquid, dirt and debris.	
Ordering information	DD084	Drainage device, plastic, m50 ip66/x9k (qty 1)
Material	Grey UV resistant plastic (UL746C), NBR sealing gasket	

Key benefits

The nVent HOFFMAN SRE range offers several key benefits

- Available in a four standard sizes ex-stock, minimising delivery time
- Available in natural brushed stainless steel finish and in X15 orange powder coat finish
- The silicone gasket has virtually zero water absorption and when compared to a traditional polyurethane gasket, has better UV and chemical resistance and a wider temperature range
- Earthing studs provided on enclosure body and door, thus simplifying the wiring and reducing wiring time
- The SRE range is built on the same platform as the existing nVent HOFFMAN mild steel and stainless steel enclosures, ensuring compatibility with existing accessories such as inner doors and depth adjustment kits
- The supplied mounting plate is pre-marked at 10mm increments, making it easier to align, mount and remove components
- Easy depth adjustment provides the flexibility to suit different depth components
- An integrated rain hood with 20mm overhang provides additional protection to the internal components
- The hinges are designed for easy removal and reversible for right or left hand opening
- The 38° sloped roof design is self draining, preventing the accumulation of dust or debris

Integrated wall brackets

- Mounting flange top and bottom
- No drilling required
- Faster installation
- Mounting holes outside ingress protected area



Integrated wall brackets



Locks

- Range of locking options
- Refer to the table on page 3

Applications

The nVent HOFFMAN SRE range has been designed with cleanliness and ingress protection in mind and provides high resistance to corrosion. The innovative design of the sloped roof facilitates easy cleaning and ensures that debris and potentially hazardous dust cannot accumulate - critical for mining applications. Intended for dusty environments, the SRE range is ideally suited to applications in the following industries and environments:

- Mining
- Water and wastewater treatment plants
- Marine environments
- Renewable energy
- Heavy industry
- Other dusty environments such as quarries and cement plants

38 degree sloped roof

- Angle of repose of coal
- Easy to hose clean
- Integrated rain hood

Welded hinge design

- Single long pin
- Opens 130°
- Easy to remove
- Reversible (left hand open)



Silicone gasket and special locking

- High UV and chemical resistance
- Low water absorption
- Longer life
- Special locking tongue to ensure smooth seal compression



Mounting plate

- Supplied with enclosure
- Pre-marked at 10mm intervals
- Galvanised steel 2mm thick



Multiple earthing studs

- In the door
- In the enclosure
- Simplifies wiring



Depth adjustment kit

- Optional accessory
- Easy to fit and adjust
- Flexibility for various depth components



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16BCH 03/25