![nVent HOFFMAN logo]

SYSPEND VL-MOTION ARM, TYPE 4

INDUSTRY STANDARDS

Maintains NEMA Type 4 and 12 and IEC IP66 enclosure rating when properly installed per Hoffman instructions.

APPLICATION

Vertical motion pendant arm effortlessly lifts, lowers and repositions HMI enclosures in NEMA Type 4 and 12 environments. Gas spring counterbalance can be adjusted for loads of 30-100 lb. Release handle and locking mechanism are ideal for applications where machine vibration is a concern.

FEATURES

• Field-adjustable gas-spring counterbalance supports loads of 30-100 lbs.
• Gas springs are set to maximum pressure (100 lb. load) and lifting force can be reduced through a sealed access cap in the top of the arm *(Lifting force cannot be increased once spring pressure is reduced.)*
• Provides 13 in. of vertical height adjustment

• Release handle (included with arm) automatically locks arm in place when repositioned vertically (release handle is required to operate the arm)
• Easily interfaces with Hoffman HMI enclosures using a 60-x-60-mm enclosure mounting pattern (enclosure must be ordered separately)
• 1.4-in. internal cable pathway maintains NEMA Type 4 and 12 enclosure rating and protects wires and cables
• Gasketed mounting surfaces at both ends of arm maintain seal integrity
• Enclosure and arm can be swiveled 320 degrees
• Wall-mount, machine-top-mount and post-top-mount options available
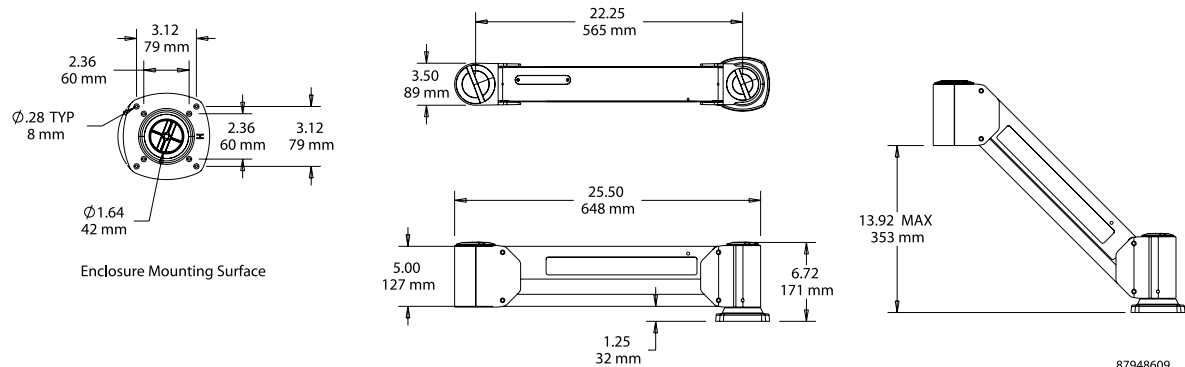• Optional floorpost available

SPECIFICATIONS

• Aluminum construction
• RAL 7035 light-gray finish
• Gas spring counterbalance

BULLETIN: VM4

Standard Product

Catalog Number	AxBxC in./mm	Description[a]	Wall-Mount Adapter	Post-Top-Mount Adapter	Machine-Top-Mount Adapter	Load Capacity (lbs.)	Load Capacity (kg)	Arm Weight (lb.)	Arm Weight (kg)
VL22	6.72 x 25.50 x 3.50 171 x 648 x 89	VL-Motion Arm, 22-in.	VLWALL	VLPOST	VLMACHINE	30-100	14-45	20.0	9.07

[a]Mounting adapter required. Order separately.
Release handle included with arm.

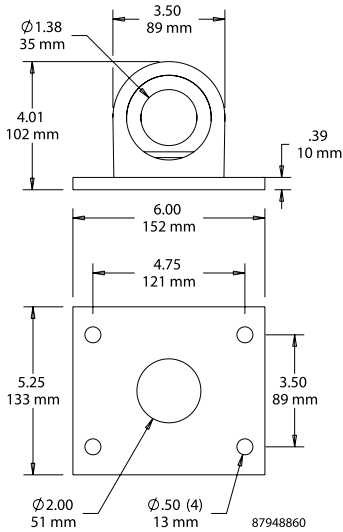Enclosure Mounting Surface

WALL-MOUNT ADAPTER

Order separately to install the SYSPEND VL-Motion Arm on a wall or vertical surface.
• RAL 7035 light-gray polyester powder paint finish
• Includes hardware to mount the adapter to the arm
• Hardware for mounting to the wall is not included

BULLETIN: VM4

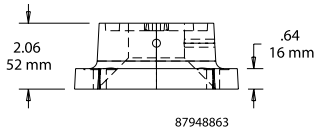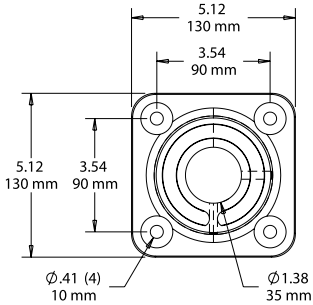| Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
VLWALL	5.25 x 6.00 x 4.01 133 x 152 x 102	VL-Motion Arm Wall-Mount Adapter	8.0	3.63

MACHINE-TOP-MOUNT ADAPTER

Order separately to install the SYSPEND VL-Motion Arm on a machine top or horizontal surface.
• RAL 7035 light-gray polyester powder paint finish
• Includes hardware to mount the adapter to the arm
• Hardware for mounting to a horizontal surface is not included

BULLETIN: VM4

Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
VLMACHINE	5.12 x 5.12 x 2.06 130 x 130 x 52	VL-Motion Arm Machine-Top-Mount Adapter	8.0	3.63

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POST-MOUNT ADAPTER

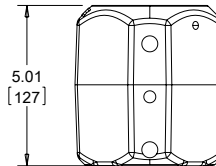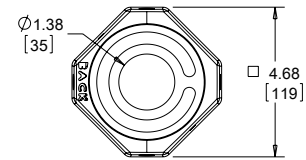| Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
VLPOST	5.01 x 4.68 x 4.68 127 x 119 x 119	VL-Motion Arm Post-Mount Adapter	8.0	3.63

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Order separately to install the SYSPEND VL-Motion Arm on a 3.5-in. OD tube.
• RAL 7035 light-gray polyester powder paint finish
• Includes hardware to mount the adapter to the arm and set screws to attach to a tube

BULLETIN: VM4

FLOORPOST WITH JUNCTION BOX

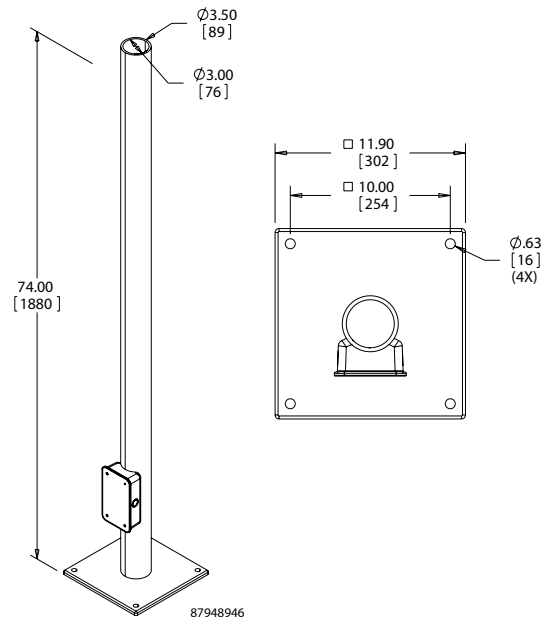| Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
FLOORPOST	11.90 x 11.90 x 74.00 302 x 302 x 1880	Floorpost with Junction Box	65.0	29.48

87948946

Provides method for mounting the SYSPEND VL and VHD Motion Arms when a structural surface is not available.
• Heavy-wall 3.5-in. structural tube welded to a 12 x 12 x 3/8-in.-thick baseplate
• Provides a "rough-in" point and pull box for power and network field wiring
• Includes internal CAT5 coupler and finger-safe power terminals
• Two conduit knock-outs can be opened to either 1/2 in. or 3/4 in.
• Fully gasketed 16 gauge cover panel on junction box can be used for additional conduit attachment
• Tough, molded ABS junction box is contoured to fit the post and is fluted into the post to protect cables
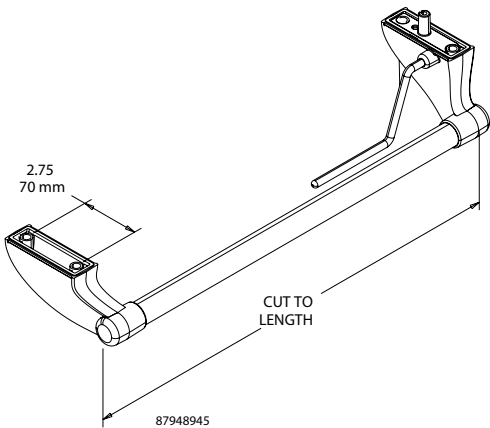
BULLETIN: VM4

REPLACEMENT RELEASE HANDLE

Replacement release handle for use with the SYSPEND VL-Motion Arm. (Handle is included with the VL-Motion Arm.)
Includes handle end supports with 491 mm (19.3 in.) tube that can be easily cut to length to fit the enclosure.

BULLETIN: HB1

Catalog Number	AxBxC in./mm	Description
VLHANDLE	3.88 x 1.38 x 19.30 99 x 35 x 490	Replacement Release Handle for VL-Motion Arm

2.75
70 mm

CUT TO LENGTH

87948945

REPLACEMENT GAS SPRINGS

Includes instructions for field replacement of gas springs for the SYSPEND VL-Motion Arm.

BULLETIN: HB1

Catalog Number	AxB in./mm	Description
VLSPRINGS	2.00 x 15.00 51 x 381	Replacement Gas Springs for VL-Motion Arm

15.00
381 mm

87948948

2.00
51 mm