

## SYSPEND VHDS-MOTION ARM, TYPE 4X



## INDUSTRY STANDARDS

Maintains NEMA Type 4, 4X and 12 and IEC IP 66 enclosure ratings when properly installed per Hoffman instructions.

## APPLICATION

Heavy-duty, stainless steel vertical motion pendant arm provides corrosion resistance and suspends process and control equipment for easy cleaning. Operators in NEMA Type 4X environments can effortlessly lift, lower and reposition HMI enclosures using the pendant arm's field-adjustable counterbalance.

## FEATURES

- Corrosion resistant stainless steel housing with provisions for water drainage from arm

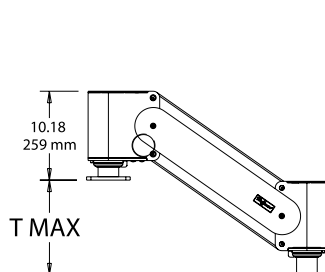
- 26-in. arm supports loads of 45-125 lb. with 13-in. of vertical height adjustment
- 36-in. arm supports loads of 25-75 lb. with 20-in. of vertical height adjustment
- Field-adjustable gas spring counterbalance allows the user to adjust lifting force by turning an adjustment mechanism under the arm
- Angle of gas springs is adjustable (not the pressure); allows lifting force to be increased or decreased at any time for changes in load
- Tension adjustment at front of the arm provides additional fine-tuning of lifting force
- No locking enclosure handle required; enclosure stays in place when repositioned
- Easily interfaces with Hoffman HMI enclosures using a 60-x-60-mm enclosure mounting pattern (enclosure must be ordered separately; not for use with CS480 enclosures)
- 1.25-in. internal cable pathway maintains Type 4, 4X 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 330 degrees with swivel stops available in 30-degree increments
- Standard models are available with machine-top mounting (wall-mount and post-mount adapters sold separately)
- Optional floorpost available

## SPECIFICATIONS

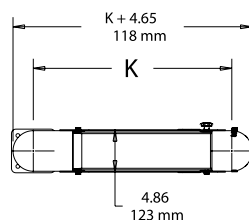
- Type 304 stainless steel construction
- Gas spring counterbalance

## BULLETIN: DBB.VM3

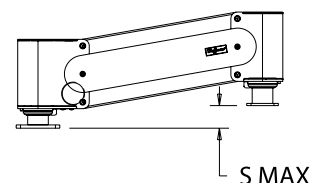
Catalog Number	AxBxC in./mm	Description	Wall-Mount Adapter	Post-Mount Adapter	Load Capacity (lb.)	Load Capacity (kg)	Arm Weight (lb.)	Arm Weight (kg)	K in./mm	S in./mm	T in./mm
VHDS26	10.18 x 30.65 x 4.86 259 x 779 x 123	VHDS-Motion Arm, 26-in. Machine-Top Mount	VHDSWALL	VHDSPOST	45-125	20-57	54	25	26.00 660	3.00 76	10.00 254
VHDS36	10.18 x 40.65 x 4.86 259 x 1033 x 123	VHDS-Motion Arm, 36-in. Machine-Top Mount	VHDSWALL	VHDSPOST	25-75	11-37	60	27	36.00 914	4.00 102	16.00 406



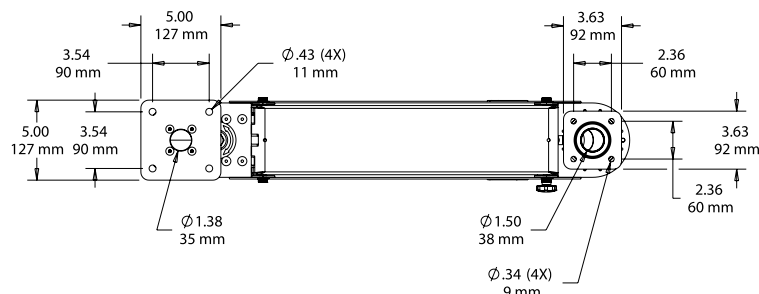
## DOWNWARD TRAVEL



TOP VIEW



UPWARD TRAVEL



BOTTOM VIEW

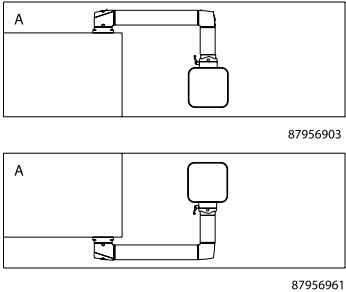
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SYSPEND 180-MAX SUSPENSION SYSTEM CONFIGURATIONS



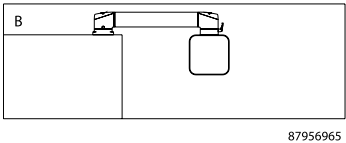
Note to Specifier:  
Select suspension system sizing using the SYSPEND 180-MAX load capacity chart.

- 1. Tube catalog numbers are not included in configuration tables.
- 2. The catalog numbers for both RAL 9005 black and RAL 7035 light gray are given. Please select one catalog number per line, making sure to keep the color choice consistent throughout the system for a cohesive appearance.
- 3. There are multiple configurations possible with many of the options shown. Components can be inverted. For illustration purposes, configuration A shows how components can be inverted.



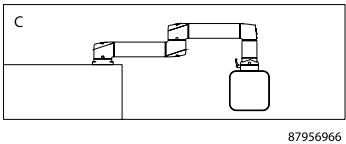
**A**

Description	Qty.	Catalog Number
Set-up Joint	1	S1MSJ S1MSJG
Elbow	1	S1ME S1MEG
Flange Coupling	1	S1MFC S1MFCG



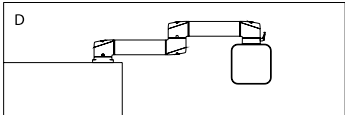
**B**

Description	Qty.	Catalog Number
Set-up Joint	1	S1MSJ S1MSJG
Flange Elbow Coupling	1	S1MFEC S1MFECG



**C**

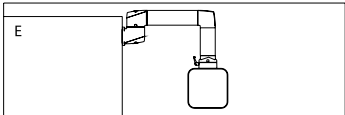
Description	Qty.	Catalog Number
Set-up Joint	1	S1MSJ S1MSJG
Intermediate Joint	1	S1MIJ S1MIJG
Elbow	1	S1ME S1MEG
Flange Coupling	1	S1MFC S1MFCG



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D

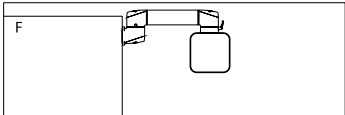
Description	Qty.	Catalog Number
Set-up Joint	1	S1MSJ S1MSJG
Intermediate Joint	1	S1MIJ S1MIJG
Flange Elbow Coupling	1	S1MFEC S1MFECG



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E

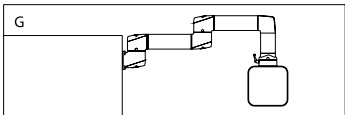
Description	Qty.	Catalog Number
Horizontal Wall Joint	1	S1MWJH S1MWJHG
Elbow	1	S1ME S1MEG
Flange Coupling	1	S1MFC S1MFECG



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F

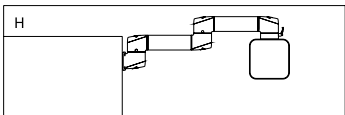
Description	Qty.	Catalog Number
Horizontal Wall Joint	1	S1MWJH S1MWJHG
Flange Elbow Coupling	1	S1MFEC S1MFECG



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G

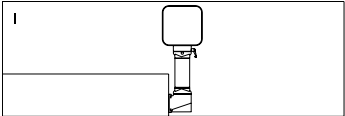
Description	Qty.	Catalog Number
Horizontal Wall Joint	1	S1MWJH S1MWJHG
Intermediate Joint	1	S1MIJ S1MIJG
Elbow	1	S1ME S1MEG
Flange Coupling	1	S1MFC S1MFECG



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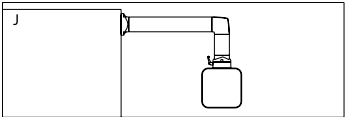
H

Description	Qty.	Catalog Number
Horizontal Wall Joint	1	S1MWJH S1MWJHG
Intermediate Joint	1	S1MIJ S1MIJG
Flange Elbow Coupling	1	S1MFEC S1MFECG



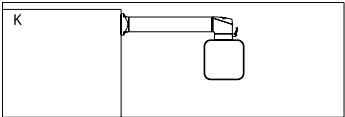
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Description	Qty.	Catalog Number
Vertical Wall Joint	1	S1MVWJ S1MVWJG
Flange Coupling	1	S1MFC S1MFCG



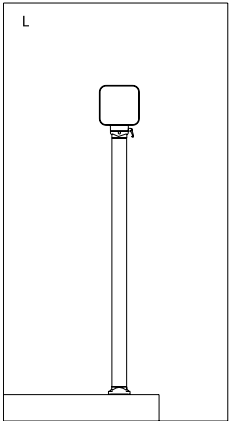
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Description	Qty.	Catalog Number
Wall Flange	1	S1MWF S1MWFG
Elbow	1	S1ME S1MEG
Flange Coupling	1	S1MFC S1MFCG



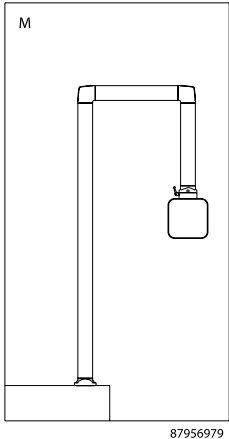
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Description	Qty.	Catalog Number
Wall Flange	1	S1MWF S1MWFG
Flange Elbow Coupling	1	S1MFEC S1MFECG



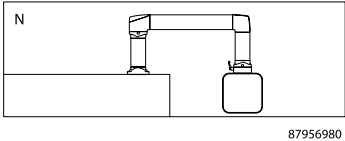
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Description	Qty.	Catalog Number
Wall Flange	1	S1MWF S1MWFG
Flange Coupling	1	S1MFC S1MFCG



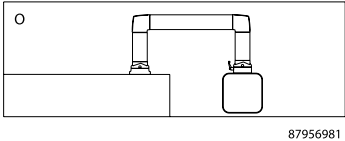
M

Description	Qty.	Catalog Number
Wall Flange	1	S1MWF S1MWFG
Elbow	2	S1ME S1MEG
Flange Coupling	1	S1MFC S1MFCG



N

Description	Qty.	Catalog Number
Wall Flange	1	S1MWF S1MWFG
Rotatable Elbow	1	S1MER S1MERG
Elbow	1	S1ME S1MEG
Flange Coupling	1	S1MFC S1MFCG



O

Description	Qty.	Catalog Number
Rotary Base	1	S1MTBB S1MTBBG
Elbow	2	S1ME S1MEG
Flange Coupling	1	S1MFC S1MFCG