AIR-MITE
DEVICES, INC.

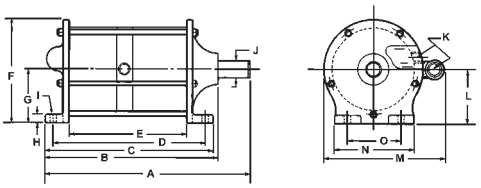
CLASSIC DESIGN

TANDEM & TRIPLEX CYLINDERS
SINGLE OR DOUBLE ROD END

FOOT MOUNT
SINGLE OR DOUBLE ROD END

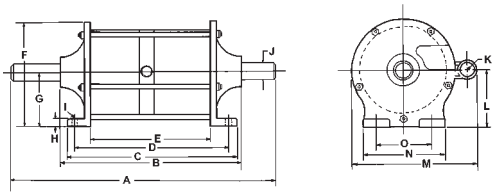
DAP550

DAP550



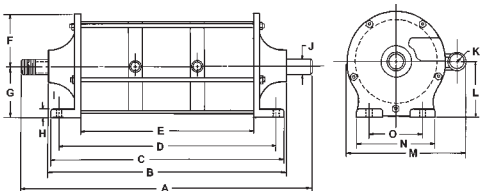
DAP550DR

DAP550DR



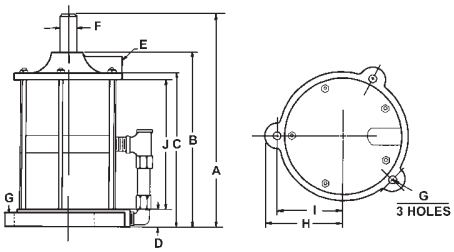
Note: 550 Models Shown

DAP580DR



REAR FLANGE MOUNT

DAV550

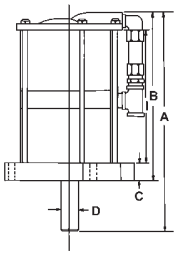


DAV550

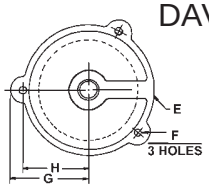
DAVF550

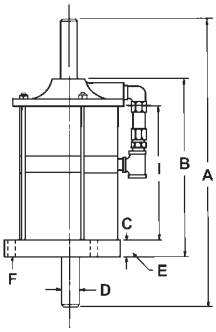
DAVF550DR

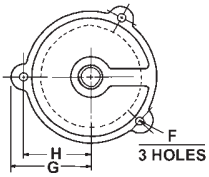
FRONT FLANGE MOUNT
SINGLE OR DOUBLE
ROD END



DAVF 550







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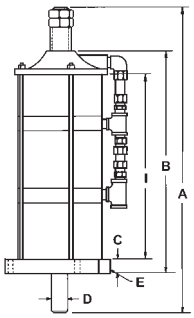

DAVF580DR

Please see page 42 in this catalog for full information on anti tie-down controls.

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Cylinder Rod End Options - See chart on back cover.

AIR-MITE Tandem & Triplex Cylinders consist of two or three separate bore areas mounted in-line with pistons connected on a common piston rod or rods. They are available in either single or double end models. The main advantage of these cylinders is the multiplication of force they can deliver without needing larger bores or higher operating pressure.

All tandem and triplex foot mounted cylinders provide the cylinder component used on all AIR-MITE presses. All tandem and triplex cylinders shown at left can provide deliverable force in either the extend or retract position. Advise factory when ordering. Unless specified when ordering, cylinders will provide force in the extend position.

Note: Consult factory for strokes of less than 2" and longer than 6".

Shown are standard strokes - Additional length as required

Model No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
DAP350	3	2	14.1	11 1/4	9 3/4	9 1/4	8 7/16	6 15/16	4 1/16	2 1/16	7/16	1/4	1/2	1/4	2 1/2	5	3 1/8	2 3/8
DAP450	4	2	24.1	12 3/4	11 1/4	10 11/16	9 13/16	7 11/16	5 7/16	2 3/4	1/2	27/64	3/4	3/8	3 5/16	6 7/16	4 7/8	3 3/8
DAP550	5	2	38.1	13	11	10 5/8	9 11/16	7 5/8	6 1/2	3 5/16	9/16	27/64	1	1/2	4	7 11/16	5	3 3/8

Model No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
DAP350DR	3	2	14.1	15 1/4	10 1/4	9 5/16	8 1/2	7	4 1/16	2 1/16	7/16	1/4	1/2	1/4	2 1/2	5	3 1/8	2 3/8
DAP450DR	4	2	24.1	17 1/8	12	10 11/16	9 13/16	7 11/16	5 7/16	2 3/4	1/2	27/64	3/4	3/8	3 5/16	6 7/16	4 7/8	3 3/8
DAP550DR	5	2	38.1	17 1/4	11 3/8	10 5/8	9 11/16	7 5/8	6 1/2	3 5/16	9/16	27/64	1	1/2	4	7 11/16	5	3 3/8
DAP580DR	5	2	58.1	22	16 1/8	15 7/8	14 1/2	12 3/8	6 1/2	3 5/16	9/16	27/64	1	1/2	4	7 11/16	5	3 3/8

*Figures are theoretical. See chart on back cover.

Note: All tandem and triplex cylinders are assembled with side piping or manifolding. If no piping is required, advise factory when ordering. See price list for correct pricing.

Shown are standard strokes - Additional length as required

Model No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	I	J
DAV350	3	2	14.1	10 11/16	9 3/16	7 13/16	5/8	1/4	1/2	5/16	2 9/32	2 5/8	6 7/8
DAV450	4	2	24.1	12 1/8	10 1/2	8 5/8	1	3/8	3/4	3/8	3 1/2	3 1/16	7 1/4
DAV550	5	2	38.1	12 5/8	10 1/16	9 1/16	1 1/8	1/2	1	3/8	4	3 1/2	7 9/16
DAV580	5	2	58.1	17 9/16	15 1/16	14 1/16	1 1/8	1/2	1	13/32	4	3 1/2	12 11/16

*Figures are theoretical. See chart on back cover.

The DAV Series-Rear Flange Mount—of tandem and triplex cylinders is for applications requiring double or triple the force of conventional cylinders and still maintaining the same flange size. Standard models generate force in the extend position. Specify when ordering if force is required in the retract position. For strokes less than 2" or longer than 6" please consult factory.

Shown are standard strokes - Additional length as required

Model No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	I
DAVF350	3	2	14.1	10 7/16	8 7/8	1	1/2	1/4	5/16	2 7/8	2 7/16	7
DAVF450	4	2	24.1	12	9 7/8	1 1/8	3/4	3/8	3/8	3 1/2	3	7 9/16
DAVF550	5	2	38.1	13 1/8	10 7/8	1 3/8	1	1/2	3/8	4	3 1/2	7 11/16
DAVF580	5	2	58.1	17 7/8	15 1/4	1 3/8	1	1/2	13/32	4	3 1/2	12 7/16

*Figures are theoretical. See chart on back cover.

Model No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	I
DAVF350DR	3	2	14.1	14 5/8	11 1/8	1	1/2	1/4	5/16	2 7/8	2 7/16	7
DAVF450DR	4	2	24.1	16 1/4	10 3/4	1 1/8	3/4	3/8	3/8	3 1/2	3	7 9/16
DAVF550DR	5	2	38.1	17 1/4	10 3/8	1 3/8	1	1/2	3/8	4	3 1/2	7 5/8
DAVF580DR	5	2	58.1	22	15 5/8	1 3/8	1	1/2	3/8	4	3 1/2	12 7/8

*Figures are theoretical. See chart on back cover.

The DAVF Series-Front Flange Mount—of tandem and triplex cylinders is for applications requiring double or triple the force of conventional cylinders. Available in both single or double rod (DR) end models. Standard models generate force in the extend position. Specify when ordering if force is required in the retract position. For strokes less than 2" or longer than 6" please consult factory.

PLEASE NOTE: Air cylinders and air presses are required to be used with guards or anti tie-down controls as per OSHA regulations. This applies to all cylinders shown on pages 6, 7, 8, 9, 10, 11, 12, 13.

Please see page 42 in this catalog for full information on anti tie-down controls.

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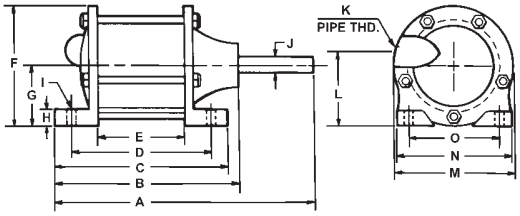
AIR-MITE
DEVICES, INC.

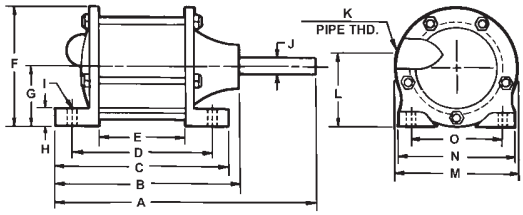
CLASSIC DESIGN FOOT MOUNT MODELS
SINGLE OR DOUBLE ROD END

FOOT MOUNT

"P" SERIES
SPRING RETURN

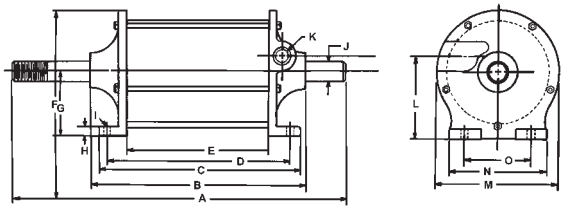


"DAP" SERIES
DOUBLE ACTING

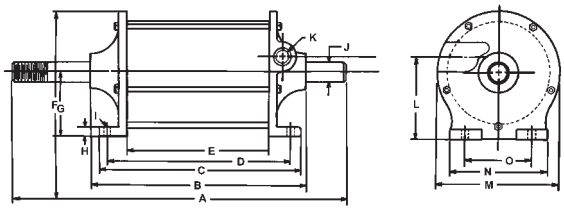


FOOT MOUNT
DOUBLE ROD END

"PDR" SERIES
SPRING RETURN



"DAPDR" SERIES
DOUBLE ACTING



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SPECIFICATIONS – CLASSIC DESIGN SERIES CYLINDERS

- Cast Impregnated Aluminum End Caps
- Oilite Bearings
- Extra Long Life Lip Seals – Buna N for smooth breakaway
- Hard Coated Aluminum Tube – Pre-lubed surface for extended cycle life
- Piston Rods – Ground & polished steel
- Tie Rod Construction – 5 Tie Rods for maximum rigidity & stretch on longer stroke models
- Operating Pressures: 25-120 psi air
- Cylinder Stroke Lengths – Spring return – up to 4" Double Acting – as required

ROD END – OPTIONS

Type 1 Blank-standard
Type 2 Full thread-male (UNF)
Type 3 Reduced diameter male thread (UNF)
Type 4 Female UNF thread
Type 5 Per customer requirement
WF Wrench Flats available for all cylinders
*See chart on back cover

Rod Clevis - For all classic cylinders

Cyl Model	Clevis	
150	145A	3/8-24 UNF
225, 300	245 A	1/2-20 UNF
400	345A	3/4-16 UNF
500	445	1"-14 UNF

Shown are standard strokes for immediate shipment - Additional as required

Stock No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
P150	1 1/2	1 1/2	1.76	5 5/16	4 3/16	4	3 3/8	2 3/16	2 5/16	1 3/16	5/16	3/16	3/8	1/8	1 1/2	2 5/16	2 1/4	1 5/8
P225	2 1/4	1 1/2	3.98	6 3/8	4 13/16	4 9/16	3 3/4	2 3/16	3 3/8	1 11/16	7/16	1/4	1/2	1/4	2 3/16	3 3/8	3 3/16	2 3/8
P300	3	1 1/2	7.07	6 3/8	5	4 5/8	3 3/4	2 5/16	4 3/16	2 1/16	1/2	1/4	1/2	1/4	2 17/32	4 1/8	3 1/8	2 3/8
P400	4	2	12.56	8 1/8	6 5/8	6	5 1/8	3	5 1/2	2 11/16	1/2	3/8	3/4	3/8	3 5/16	5 3/8	4 7/8	3 3/8
P500	5	2	19.63	8	6 3/8	6	5 1/8	3	6 1/2	3 5/16	1/2	3/8	1	1/2	4	6 3/8	5	3 3/8

*Figures are theoretical. See chart on back cover.

Dimensions given are for 1 Stroke

Stock No.	Bore	Power* Factor	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
DAP150	1 1/2	1.76	5 1/4	4 1/16	3 13/16	3 1/4	2	2 5/16	1 3/16	5/16	3/16	3/8	1/8	1 7/16	2 5/16	2 1/4	1 5/8
DAP225	2 1/4	3.98	6 3/8	4 3/4	4 3/8	3 3/4	2 3/32	3 3/8	1 3/4	7/16	1/4	1/2	1/4	2 3/16	3 1/4	3 3/16	2 3/8
DAP300	3	7.07	6 7/16	4 15/16	4 9/16	3 7/8	2 1/4	4 3/16	2 1/16	1/2	1/4	1/2	1/4	2 17/32	4 3/16	3 3/16	2 3/8
DAP400	4	12.56	7 3/4	6 1/8	5 1/2	4 5/8	2 1/2	5 1/2	2 11/16	1/2	3/8	3/4	3/8	3 1/4	5 1/2	5	3 3/8
DAP500	5	19.63	7 3/4	6	5 9/16	4 5/8	2 1/2	6 1/2	3 5/16	1/2	3/8	1	1/2	3 31/32	6 3/8	5	3 3/8

*Figures are theoretical. See chart on back cover.

The P and DAP double rod end series provide two features not found on our single rod end models. First, the ability to micro adjust the stroke length. Second, a greater bearing surface to minimize deflection of the piston rod on the workpiece. These models are the cylinder component of our air presses as well as sold separately as foot mounted cylinders. They offer long life and high cycling at affordable prices.

Double rod end models are especially useful for applications with exceptionally long strokes where deflection is a problem.

Shown are standard strokes - Additional strokes as required

Stock No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
P150DR	1 1/2	1 1/2	1.76	8 3/16	4 9/16	4 1/8	3 1/2	2 1/4	2 5/16	1 3/16	5/16	3/16	3/8	1/8	1 7/16	2 5/16	2 1/4	1 5/8
P225DR	2 1/4	1 1/2	3.98	9 13/16	5 5/16	4 5/8	3 3/4	2 3/16	3 3/8	1 11/16	7/16	1/4	1/2	1/4	2 1/4	3 3/8	3 3/16	2 3/8
P300DR	3	1 1/2	7.07	10	5 1/2	4 9/16	3 3/4	2 1/4	4 3/16	2 1/16	5/16	1/4	1/2	1/4	2 1/2	4 1/8	3 1/8	2 3/8
P400DR	4	2	12.56	12 3/8	7 1/4	6 1/16	5 1/8	3	5 1/2	2 11/16	1/2	3/8	3/4	3/8	3 1/4	5 3/8	4 7/8	3 3/8
P500DR	5	2	19.63	12	6 13/16	6 1/16	5 1/8	3 1/16	6 1/2	3 5/16	1/2	3/8	1	1/2	4	6 3/8	5	3 3/8

*Figures are theoretical. See chart on back cover.

Dimensions given are for 1 Stroke - Additional strokes as required

Stock No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
DAP150DR	1 1/2	1	1.76	8 1/2	4 1/2	4	3 3/8	2 1/8	2 5/16	1 3/16	5/16	3/16	3/8	1/8	1 7/16	2 5/16	2 1/4	1 5/8
DAP225DR	2 1/4	1	3.98	9 7/16	6 5/16	4 11/16	3 3/4	2 3/16	3 3/8	1 3/4	7/16	1/4	1/2	1/4	2 1/8	3 3/8	3 3/16	2 3/8
DAP300DR	3	1	7.07	9 1/2	6 1/2	4 9/16	3 3/4	2 3/16	4 3/16	2 1/16	1/2	3/8	1/2	1/4	2 1/2	4 3/16	3 3/16	2 3/8
DAP400DR	4	1	12.56	10 7/8	6 3/4	5 9/16	4 5/8	2 1/2	5 1/2	2 11/16	1/2	3/8	3/4	3/8	3 1/4	5 1/2	5	3 3/8
DAP500DR	5	1	19.63	10 5/8	6 5/8	5 9/16	4 5/8	2 9/16	6 1/2	3 5/16	1/2	3/8	1	1/2	4	6 3/8	5	3 3/8

*Figures are theoretical. See chart on back cover.

Please see page 42 in this catalog for full information on anti tie-down controls.

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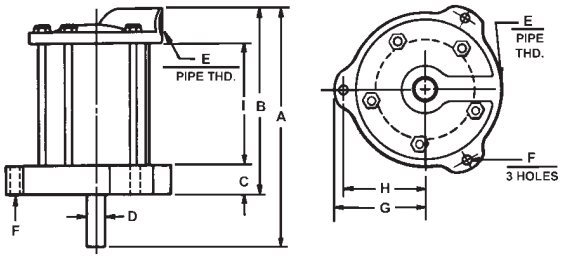
AIR-MITE
DEVICES, INC.

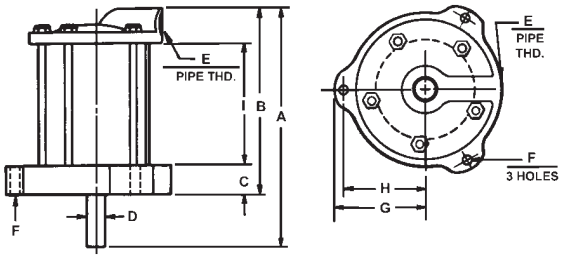
CLASSIC DESIGN FRONT FLANGE MOUNT
SINGLE & DOUBLE ROD END

FRONT FLANGE MOUNT

"VF" SERIES
SPRING RETURN

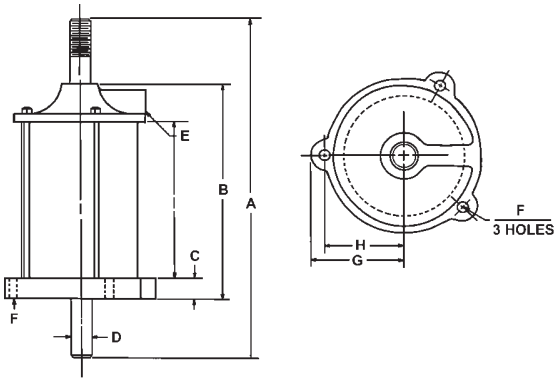


"DAVF" SERIES
DOUBLE ACTING

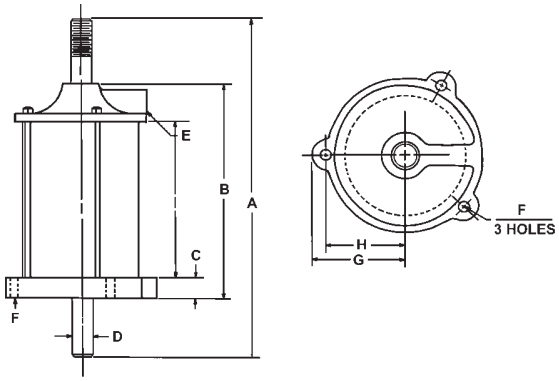


FRONT FLANGE MOUNT
DOUBLE ROD END MODELS

"VFDR" SERIES
SPRING RETURN



"DAVFDR" SERIES
DOUBLE ACTING



For rod end selection, see page 9.

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Cylinder Rod End Options - See chart on back cover.

Model No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H
VF150	1 1/2	1 1/2	1.76	5 1/4	4 1/4	1/2	3/8	1/8	3/16	1 11/16	1 7/16
VF225	2 1/4	1 1/2	3.98	6 1/8	4 3/4	1/2	1/2	1/4	1/4	2 1/4	2
VF300	3	1 1/2	7.07	6 3/8	5 1/8	5/8	1/2	1/4	5/16	2 3/4	2 7/16
VF400	4	2	12.56	8 1/4	6 1/2	1 1/16	3/4	3/8	3/8	3 1/2	3
VF500	5	2	19.63	7 3/4	6 1/4	1 1/8	1	1/2	3/8	4	3 1/2

*Figures are theoretical. See chart on back cover.

VF & DAVF Front Flange Models provide a piston rod that extends through the mounting surface permitting the cylinder to be mounted behind or under the surface and free of the work area.

Given dimensions include 1 of stroke advise length of stroke required.

Model No.	Bore	Power* Factor	A	B	C	D	E	F	G	H	I
DAV F150	1 1/2	1.76	5 1/8	4 1/16	7/8	3/8	1/8	3/16	1 3/4	1 7/16	
DAV F225	2 1/4	3.98	6 1/16	4 1/8	7/8	1/2	1/4	1/4	2 3/8	2	
DAV F300	3	7.07	5 11/16	4 3/16	1	1/2	1/4	5/16	2 7/8	2 7/16	2 9/32
DAV F400	4	12.56	7	4 15/16	11/16	3/4	3/8	3/8	3 1/2	3	2 9/16
DAV F500	5	19.63	7 1/8	5 1/8	11/8	1	1/2	3/8	4	3 1/2	2 9/16

*Figures are theoretical. See chart on back cover.

Longer strokes available consult factory

Model No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	I
VF150DR	1 1/2	1 1/2	1.76	8 1/4	4 11/16	3/8	3/8	1/8	3/16	1 11/16	1 7/16	3 1/16
VF225DR	2 1/4	1 1/2	3.98	9 13/16	5 7/16	1/2	1/2	1/4	1/4	2 1/4	2	3 3/8
VF300DR	3	1 1/2	7.07	10 3/16	5 11/16	5/8	1/2	1/4	5/16	2 7/8	2 7/16	3 7/16
VF400DR	4	2	12.56	12 3/8	7 3/8	1 1/8	3/4	3/8	3/8	3 1/2	3	4 3/16
VF500DR	5	2	19.63	11 3/8	6 3/8	1 3/8	1	1/2	3/8	4	3 1/2	3 5/8

*Figures are theoretical. See chart on back cover.

The VF and DAVF Classic Series DR cylinders provide a double rod bearing surface for increased stability and less deflection. A rod nut is supplied on one rod to aid in variable stroke adjustment. This affords the user a multi stroke capability with just one cylinder.

Dimensions given for 1 stroke

Longer strokes available consult factory

Model No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	I
DAVF150DR	1 1/2	1	1.76	8 1/8	4 1/8	3/4	3/8	1/8	3/16	1 3/4	1 7/16	2 3/16
DAVF225DR	2 1/4	1	3.98	2 13/16	4 9/16	7/8	1/2	1/4	5/16	2 3/8	2	2 1/8
DAVF300DR	3	1	7.07	9 1/16	4 15/16	1	1/2	1/4	5/16	2 7/8	2 7/16	2 1/4
DAVF400DR	4	1	12.56	10 1/8	5 13/16	1 1/8	3/4	3/8	3/8	3 1/2	3	2 9/16
DAVF500DR	5	1	19.63	12 9/16	5 3/4	1 3/8	1	1/2	3/8	4	3 1/2	3 1/16

*Figures are theoretical. See chart on back cover.

PLEASE NOTE: Air cylinders and air presses are required to be used with guards or anti tie-down controls as per OSHA regulations. This applies to all cylinders shown on pages 6, 7, 8, 9, 10, 11, 12, 13.

Please see page 42 in this catalog for full information on anti tie-down controls.

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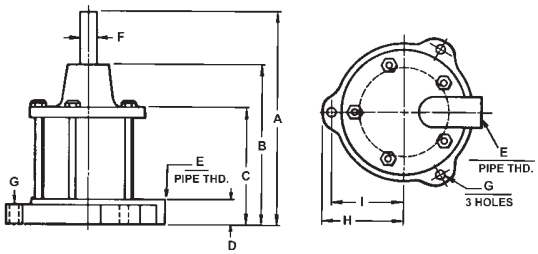
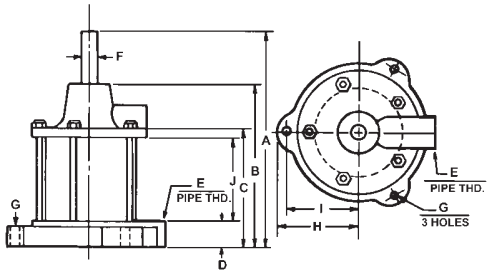
AIR-MITE
DEVICES, INC.

CLASSIC DESIGN REAR FLANGE, PULL & CLEVIS MOUNTED MODELS

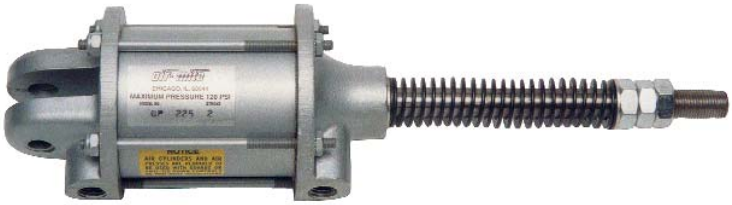
REAR FLANGE MOUNT

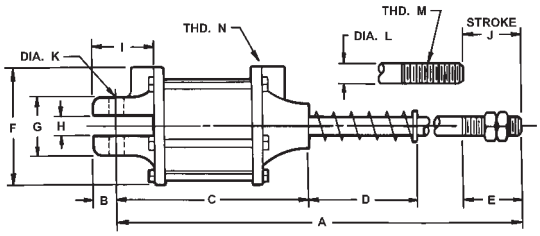


SPRING RETURN “V” SERIES



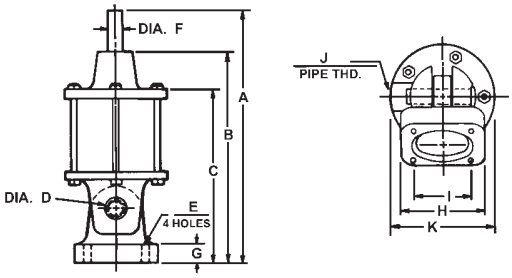
PULL MODELS



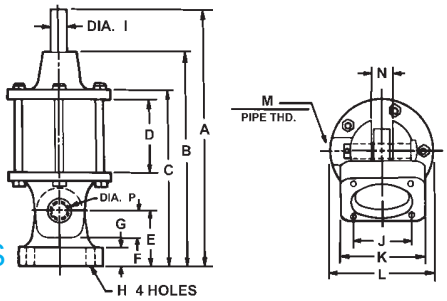


SPRING RETURN “CP” SERIES

CLEVIS MOUNTED MODELS



SPRING RETURN “C” SERIES



DOUBLE ACTING “DAC” SERIES

For rod end selection, see page 9.

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Model No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	I
V150	1 1/2	1 1/2	1.76	5 3/16	4 1/8	3 1/8	9/16	1/8	3/8	3/16	1 3/4	1 7/16
V225	2 1/4	1 1/2	3.98	6	4 9/16	3 3/16	5/8	1/4	1/2	9/32	2 1/4	1 7/8
V300	3	1 1/2	7.07	6 1/8	4 3/4	3 3/8	5/8	1/4	1/2	5/16	2 7/8	2 1/4
V400	4	2	12.56	7 5/8	6 3/16	4 5/16	1 1/8	3/8	3/4	3/8	3 1/2	3
V500	5	2	19.63	7 5/8	6 1/16	4 1/2	1 7/16	1/2	1	3/8	4	3 1/2

*Figures are theoretical. See chart on back cover.

Rear Flange mounted cylinders are widely used in applications requiring increased holding power. They are mounted with the direction of effort at right angles and away from the mounting surface.

Dimensions given are for 1 Stroke

Model No.	Bore	Power* Factor	A	B	C	D	E	F	G	H	I	J
DAV150	1 1/2	1.76	5 1/4	3 7/8	2 15/16	9/16	1/8	3/8	3/16	1 11/16	1 7/16	2
DAV225	2 1/4	3.98	5 15/16	4 5/16	3 1/16	5/8	1/4	1/2	9/32	2 1/4	1 7/8	2 3/32
DAV300	3	7.07	5 15/16	4 9/16	3 5/16	5/8	1/4	1/2	5/16	2 5/8	2 1/4	2 1/4
DAV400	4	12.56	7 1/8	5 11/16	3 13/16	11/8	3/8	3/4	3/8	3 1/2	3	2 1/2
DAV500	5	19.63	7 1/8	5 3/16	4	1 7/16	1/2	1	3/8	4	3 1/2	2 1/2

*Figures are theoretical. See chart on back cover.

Stock No.	Bore	Power* Factor	A	B	C	D	E	F	G	H	I	J	K	L	M	N
CP150	1 1/2	1.76	10	5/8	4 5/8	2 11/16	1 1/2	2 3/8	1 3/8	1/2	1 3/4	1 1/2	3/8	3/8	3/8-24	1/8
CP225	2 1/4	3.98	10 3/4	9/16	5	2 3/4	1 1/2	3 1/4	1 5/8	1/2	1 15/16	1 1/2	3/8	1/2	1/2-20	1/4
CP300	3	7.07	10 1/8	15/16	5 3/16	2 3/4	1 1/2	4 1/4	2 1/16	5/8	2 1/4	1 1/2	1/2	1/2	1/2-20	1/4
CP400	4	12.56	12 13/16	13/16	7	3 7/8	1 1/2	5 3/16	1 11/16	3/4	2 1/2	2	5/8	3/4	3/4-16	3/8
CP500	5	19.63	13 1/8	15/16	6 1/2	4 7/8	1 1/2	6 1/4	2 1/8	1	2 11/16	2	3/4	1	1-14	1/2

**Ram extension-optional.
*Longer stroke cylinders available.

MOUNTING BRACKET NOT AVAILABLE FOR CP500

The CP Series features a normally extended piston rod using air to retract the rod. Stroke lengths from 1.5" to 4" are available. Rod clevises are available for all models. Clevis bases are options for all except the CP500 model. CP cylinders should not be used for power press applications.

Stock No.	Bore		Power* Factor	A	B	C	D	E	F	G	H	I	J	K
C150	1 1/2	1 1/2	1.76	7	5 7/8	5	1/2	1/4	3/8	1/2	21/4	1 3/8	1/8	2 3/8
C225	2 1/4	1 1/2	3.98	8 1/4	6 5/8	5 3/8	9/16	1/4	1/2	1/2	2 11/16	1 3/4	1/4	3 1/4
C300	3	1 1/2	7.07	8 1/2	7 1/8	5 7/8	5/8	5/16	1/2	5/8	3 1/4	2 3/8	1/4	4 1/4
C400	4	2	12.56	10 5/8	9	7 1/8	5/8	3/8	3/4	3/4	4 1/4	3 1/4	3/8	5 3/16
C500	5	2	19.63	9 3/4	8 1/16	6 5/8	3/4	-	1	No Base Available			1/2	

*Figures are theoretical. See chart on back cover.
Dimensions on C500 are for O.A.L.

CLEVIS BASE NOT AVAILABLE FOR C500 & DAC500

CLEVIS MOUNTED cylinders are used in applications where the fixture has an "off line" or arc movement. It has a full swing from 20-160 degrees in a plane vertical to the base and will readily supply power the length of the entire arc.

Given dimensions include 1 of stroke advise length of stroke required.

Model No.	Bore	Power* Factor	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
DAC150	1 1/2	1.76	6 7/8	5 9/16	4 5/8	2	1 1/4	5/8	1/2	1/4	3/8	1 3/8	2 1/4	2 3/8	1/8	1/2	3/8
DAC225	2 1/4	3.98	7 11/16	6 1/8	4 7/8	2 3/32	1 5/16	11/16	1/2	1/4	1/2	1 3/4	2 11/16	3 1/4	1/4	1/2	3/8
DAC300	3	7.07	8 1/4	6 7/8	5 7/16	2 1/4	1 3/4	15/16	5/8	5/16	1/2	2 3/8	3 1/4	4 1/4	1/4	5/8	1/2
DAC400	4	12.56	10 1/8	8 1/2	6 5/8	2 1/2	2 1/4	1 1/8	3/4	3/8	3/4	2 1/4	4 5/16	5 1/2	3/8	3/4	5/8
DAC500	5	19.63	9 1/8	7 1/8	6 1/8	2 1/2		1 3/8		3/8	1			6 1/4	1/2	1	3/4

*Figures are theoretical. See chart on back cover.

Please see page 42 in this catalog for full information on anti tie-down controls.

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