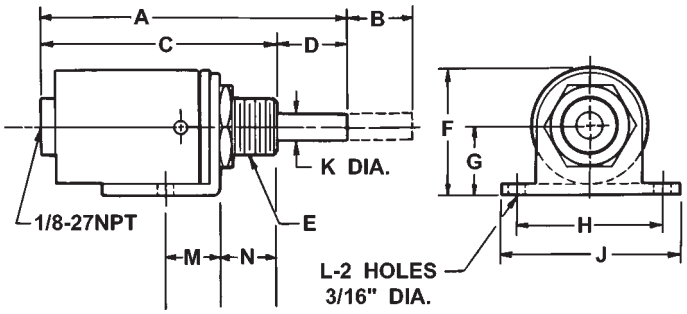
AIR-MITE
DEVICES, INC.

MICRO MODELS – 3/4", 1", 1 1/8", 1 1/4" BORES

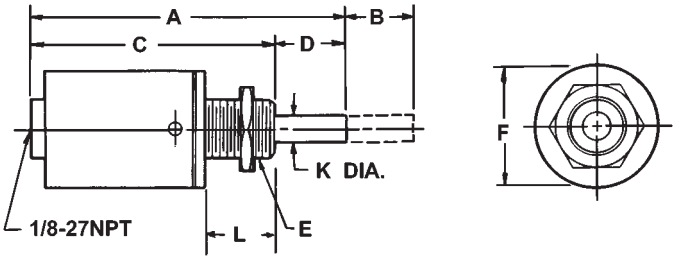
SINGLE AND DOUBLE ACTING

SINGLE ACTING

"P" SERIES
FOOT MOUNT

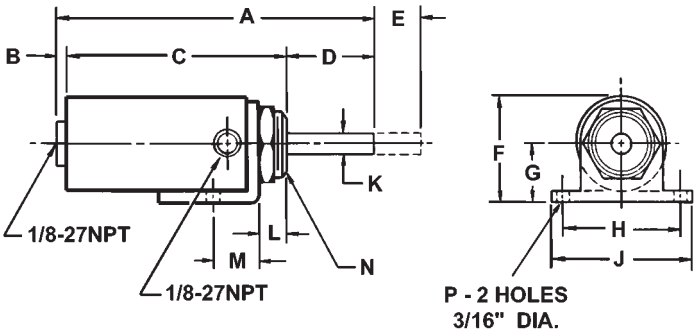


"V" SERIES
NOSE MOUNT

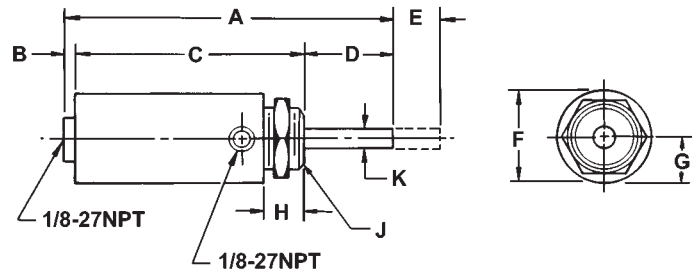


DOUBLE ACTING

"DAP" SERIES
FOOT MOUNT



"DAV" SERIES
NOSE MOUNT



Micro model cylinders are “bantam” cylinders designed specifically for limited space applications. Single and double acting models provide ample power for many applications: clamping, locking, ejection, throttling are but a few. Controlled singly or in groups, all cylinders are repairable and easily repaired or replaced in the field.

Stock No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	J	K	L	M	N
P-75-1/2	3/4	1/2	.44	2 3/4	1/2	2	3/4	1/2 -20	1 3/32	11/16	1 1/4	1 5/8	1/4	3/16	39/64	1/4
P-75-1	3/4	1	.44	3 1/4	1	2 1/2	3/4	1/2 -20	1 3/32	11/16	1 1/4	1 5/8	1/4	3/16	39/64	1/4
P-75-2	3/4	2	.44	4 61/64	2	4 13/64	3/4	1/2 -20	1 3/32	11/16	1 1/4	1 5/8	1/4	3/16	39/64	1/4
P-75-3	3/4	3	.44	5 61/64	3	5 13/64	3/4	1/2 -20	1 3/32	11/16	1 1/4	1 5/8	1/4	3/16	39/64	1/4
P-100	1	5/8	.75	2 11/16	5/8	2 3/16	1/2	5/8 -18	1 3/8	13/16	1 5/8	2	5/16	3/16	9/16	1/2
P-100-1	1	1	.75	3 9/16	1	2 9/16	3/4	5/8 -18	1 3/8	13/16	1 5/8	2	5/16	3/16	9/16	1/2
P-100-2	1	2	.75	5 1/2	2	4 1/2	1	5/8 -18	1 3/8	13/16	1 5/8	2	5/16	3/16	9/16	1/2
P-100-3	1	3	.75	6 1/2	3	5 1/2	1	5/8 -18	1 3/8	13/16	1 5/8	2	5/16	3/16	9/16	1/2
P-110-1	1 1/8	1	1.00	3 5/16	1	2 1/2	3/4	5/8 -18	1 15/32	13/16	1 5/8	2	5/16	3/16	9/16	1/2
P-110-2	1 1/8	2	1.00	5 13/16	2	4 3/8	1	5/8 -18	1 15/32	13/16	1 5/8	2	5/16	3/16	9/16	1/2
P-110-3	1 1/8	3	1.00	6 13/16	3	5 3/8	1	5/8 -18	1 15/32	13/16	1 5/8	2	5/16	3/16	9/16	1/2
P-1251/2	1 1/4	1/2	1.225	3 1/16	1/2	2	1	7/8 -14	1 5/8	27/32	1 5/8	2	3/8	3/16	5/8	1/2
P-125-1	1 1/4	1	1.225	3 1/2	1	2 1/2	1	7/8 -14	1 5/8	27/32	1 5/8	2	3/8	3/16	5/8	1/2

Stock No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	K	L
V-75-1/2	3/4	1/2	.44	2 3/4	1/2	2	3/4	1/2 -20	7/8	1/4	3/8
V-75-1	3/4	1	.44	3 1/4	1	2 1/2	3/4	1/2 -20	7/8	1/4	3/8
V-75-2	3/4	2	.44	4 61/64	2	4 13/64	3/4	1/2 -20	7/8	1/4	3/8
V-75-3	3/4	3	.44	5 61/64	3	5 13/64	3/4	1/2 -20	7/8	1/4	3/8
V-100	1	5/8	.75	2 11/16	5/8	2 3/16	1/2	5/8 -18	1 1/4	5/16	5/8
V-100AC	1	5/8	.75	2 1/4	5/8	1 29/32	3/8	5/8 -18	1 1/4	5/16	3/8
V-100-1	1	1	.75	3 9/32	1	29/16	3/4	5/8 -18	1 1/4	5/16	5/8
V-100-2	1	2	.75	5 1/2	2	4 1/2	1	5/8 -18	1 1/4	5/16	5/8
V-100-3	1	3	.75	6 1/2	3	5 1/2	1	5/8 -18	1 1/4	5/16	5/8
V-110-1	1 1/8	1	1.00	3 5/16	1	2 1/2	3/4	5/8 -18	1 5/16	5/16	5/8
V-110-2	1 1/8	2	1.00	5 13/32	2	4 3/8	1	5/8 -18	1 5/16	5/16	5/8
V-110-3	1 1/8	3	1.00	6 13/32	3	5 3/8	1	5/8 -18	1 5/16	5/16	5/8
V-125-1/2	1 1/4	1/2	1.225	3 1/16	1/2	2	1	7/8 -14	1 1/2	3/8	5/8
V-125-1	1 1/4	1	1.225	3 1/2	1	2 1/2	1	7/8 -14	1 1/2	3/8	5/8

*Figures are theoretical. See chart on back cover.

SPECIFICATIONS

V75, V100, V110, DAV75, DAV100 - Brass Series

Cylinder Body/Tube Brass
Cylinder Rods Zinc plated steel Stainless optional
Piston seals Buna N V-packs standard Viton optional
Cylinder End Caps Brass
Operating Pressures 0-150 psi Air
0-350 psi Hydraulic
Stroke lengths V75=1 thru 3" V100=1/2 thru 3" V110=1 thru 3" DAV75= 1/2 thru 4" DAV100=1 thru 6"
Spring force Rate per inch: V100AC=7#, V100, V110-1=3.5#; V100 & V110-2, -3=2#

ROD END – OPTIONS

Type 1 Plain rod end
Type 2 External thread-see chart on back cover
Type 3 Shoulder and external thread
Type 4 Internal thread
Type 5 Cut off or flush shafts

Stock No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	J	K	L	M	N	P
DAP75-1/2	3/4	1/2	.44	313/64	5/32	2 29/64	3/4	1/2	1 3/32	11/16	1 1/4	1 5/8	1/4	5/16	39/64	1/2 -20	3/16
DAP75-1	3/4	1	.44	3 23/32	5/32	2 51/64	3/4	1	1 3/32	11/16	1 1/4	1 5/8	1/4	5/16	39/64	1/2 -20	3/16
DAP75-2	3/4	2	.44	4 3/4	5/32	3 51/64	3/4	2	1 3/32	11/16	1 1/4	1 5/8	1/4	5/16	39/64	1/2 -20	3/16
DAP75-3	3/4	3	.44	5 23/32	5/32	4 51/64	3/4	3	1 3/32	11/16	1 1/4	1 5/8	1/4	5/16	39/64	1/2 -20	3/16
DAP75-4	3/4	4	.44	6 23/32	5/32	5 51/64	3/4	4	1 3/32	11/16	1 1/4	1 5/8	1/4	5/16	39/64	1/2 -20	3/16
DAP100-1/2	1	1/2	.75	3 3/16	3/16	2 1/2	1/2	1/2	1 1/4	5/8	1 5/8	2	5/16	3/8	9/16	7/8 -14	3/16
DAP100-1	1	1	.75	4 1/4	1/8	3 1/16	1 1/8	1	1 3/8	3/4	1 5/8	2	5/16	3/8	9/16	7/8 -14	3/16
DAP100-2	1	2	.75	5 3/8	1/8	4 1/16	1 1/8	2	1 3/8	3/4	1 5/8	2	5/16	3/8	9/16	7/8 -14	3/16
DAP100-3	1	3	.75	6 3/8	1/8	5 1/16	1 1/8	3	1 3/8	3/4	1 5/8	2	5/16	3/8	9/16	7/8 -14	3/16
DAP100-4	1	4	.75	7 3/8	1/8	6 1/16	1 1/8	4	1 3/8	3/4	1 5/8	2	5/16	3/8	9/16	7/8 -14	3/16
DAP100-5	1	5	.75	8 3/8	1/8	7 1/16	1 1/8	5	1 3/8	3/4	1 5/8	2	5/16	3/8	9/16	7/8 -14	3/16
DAP100-6	1	6	.75	9 3/8	1/8	8 1/16	1 1/8	6	1 3/8	3/4	1 5/8	2	5/16	3/8	9/16	7/8 -14	3/16
DAP125-1	1 1/4	1	1.22	4 5/8	1/8	3 3/8	1	1	1 21/32	7/8	1 5/8	2	3/8	1/2	5/8	7/8	3/16
DAP125-2	1 1/4	2	1.22	5 5/8	1/8	4 3/8	1	2	1 21/32	7/8	1 5/8	2	3/8	1/2	5/8	7/8	3/16
DAP125-3	1 1/4	3	1.22	6 5/8	1/8	5 3/8	1	3	1 21/32	7/8	1 5/8	2	3/8	1/2	5/8	7/8	3/16

*Figures are theoretical. See chart on back cover.

Stock No.	Bore	Stroke	Power* Factor	A	B	C	D	E	F	G	H	J	K
DAV75-1/2	3/4	1/2	.44	3 13/64	5/32	2 29/64	3/4	1/2	7/8	7/16	7/16	1/2 -20	1/4
DAV75-1	3/4	1	.44	3 45/64	5/32	2 61/64	3/4	1	7/8	7/16	7/16	1/2 -20	1/4
DAV-75-2	3/4	2	.44	4 45/64	5/32	3 61/64	3/4	2	7/8	7/16	7/16	1/2 -20	1/4
DAV75-3	3/4	3	.44	5 45/64	5/32	4 61/64	3/4	3	7/8	7/16	7/16	1/2 -20	1/4
DAV75-4	3/4	4	.44	6 23/32	5/32	5 61/64	3/4	4	7/8	7/16	7/16	1/2 -20	1/4
DAV100-1/2	1	1/2	.75	3 3/16	3/16	2 1/2	1/2	1/2	1 1/4	5/8	1/2	7/8 -14	5/16
DAV100-1	1	1	.75	4 1/4	1/8	3 1/16	1 1/8	1	1 1/4	5/8	1/2	7/8 -14	5/16
DAV100-2	1	2	.75	5 3/8	1/8	4 1/16	1 1/8	2	1 1/4	5/8	1/2	7/8 -14	5/16
DAV100-3	1	3	.75	6 3/8	1/8	5 1/16	1 1/8	3	1 1/4	5/8	1/2	7/8 -14	5/16
DAV100-4	1	4	.75	7 3/8	1/8	6 1/16	1 1/8	4	1 1/4	5/8	1/2	7/8 -14	5/16
DAV100-5	1	5	.75	8 3/8	1/8	7 1/16	1 1/8	5	1 1/4	5/8	1/2	7/8 -14	5/16
DAV100-6	1	6	.75	9 3/8	1/8	8 1/16	1 1/8	6	1 1/4	5/8	1/2	7/8 -14	5/16
DAV125-1	1 1/4	1	1.22	4 5/8	1/8	3 3/8	1	1	1 1/2	5/8	5/8	7/8 -14	3/8
DAV125-2	1 1/4	2	1.22	5 5/8	1/8	4 3/8	1	2	1 1/2	5/8	5/8	7/8 -14	3/8
DAV125-3	1 1/4	3	1.22	6 5/8	1/8	5 3/8	1	3	1 1/2	5/8	5/8	7/8 -14	3/8

SPECIFICATIONS

V125, DAV125 Aluminum Series

Cylinder Body/Tube – Anodized aluminum
Cylinder Rods–Zinc plated steel Stainless–optional
Piston seals–V125–Buna N V-packs DAV125–Buna N O-rings Viton v-packs and O-rings–optional
Cylinder End Caps–Anodized aluminum
Operating Pressures–0-150 psi
Air 0-350 psi Hydraulic
Stroke Lengths–V125=1/2 thru 1" DAV125=1 thru 3"
Spring Force–Rate per inch V125-1/2=15# V125-1=11#

ROD END – OPTIONS

Type 1 – Plain rod end
Type 2 – External thread-see chart on back cover
Type 3 – Shoulder and external thread
Type 4 – Internal thread
Type 5 – Cut off or flush shafts
Type 6 – Drill thru entire length of shaft