

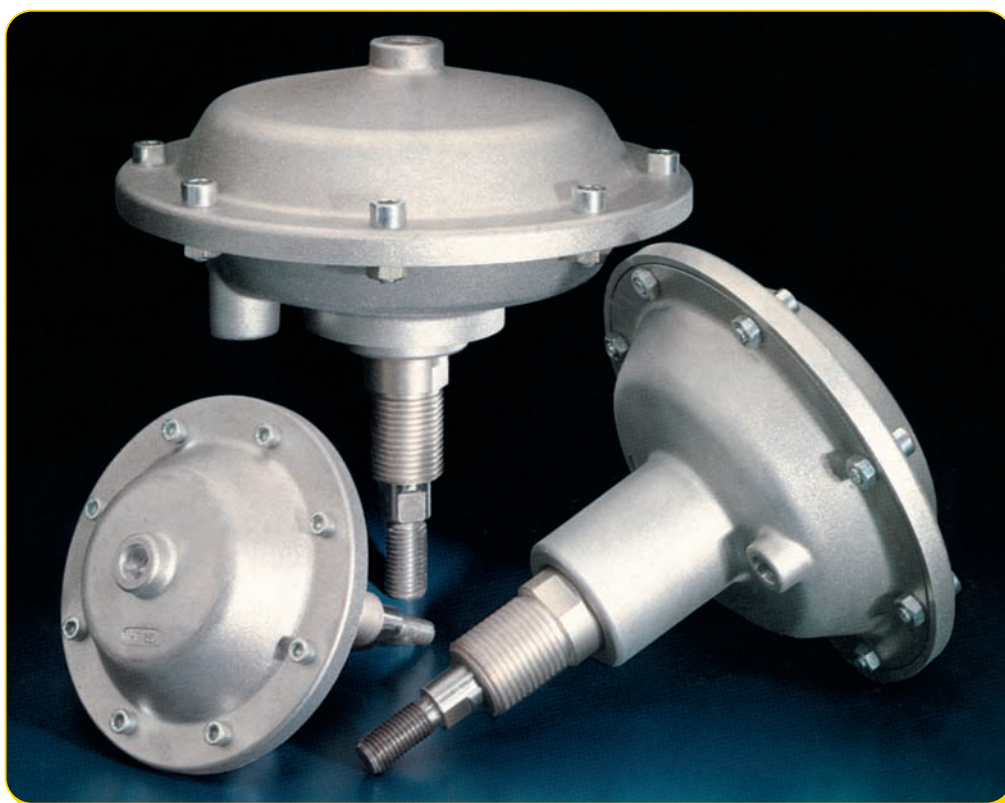
Linear Diaphragm Actuators

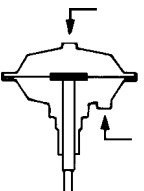
DESCRIPTION

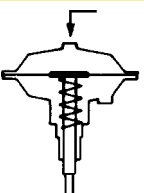
The linear air actuators have reduced weight and volume compared to linear air cylinders of similar efficiency. Mecair manufactures two models: double acting and single acting (with return spring). It is also available with the through rod version (single and double acting) which allows easy mounting and operation with the use of micro switches. The linear diaphragm actuators have numerous applications, ranging from riveting machines, small presses, sealing equipment, suspensions, paper ondulating machines and for use in textile machines. These are just some of the more common applications where linear diaphragm cylinders / actuators are used.

Linear Diaphragm Actuators

CONSTRUCTIVE CHARACTERISTICS	
Top Cover	Die-cast aluminium
Body	Die-cast aluminium
Diaphragm	EPDM reinforced rubber
Rod	Stainless steel
Spring	Carbon steel
Working temperature	-20°C / +80°C
Working pressure	6 bar



	Double Effect Type	Pushing force at 6 bar pressure	Pulling force at 6 bar pressure	Stroke mm.	Weight Kg	Pushing-pulling consumption at 6 bar
	M 300 D35	360 daN	320 daN	35	2	4,6 NI
	M 600 D45	880 daN	850 daN	45	4	11,8 NI
	M 1200 D45	1500 daN	1450 daN	45	9	22,8 NI

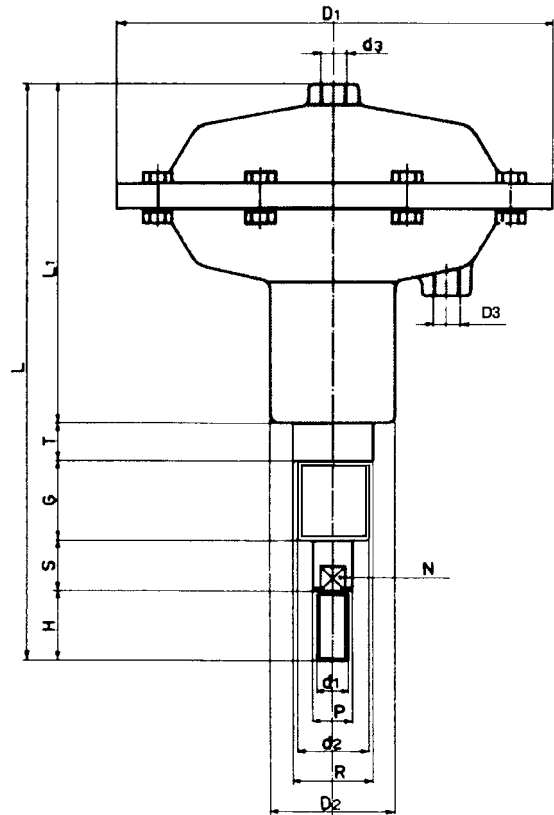
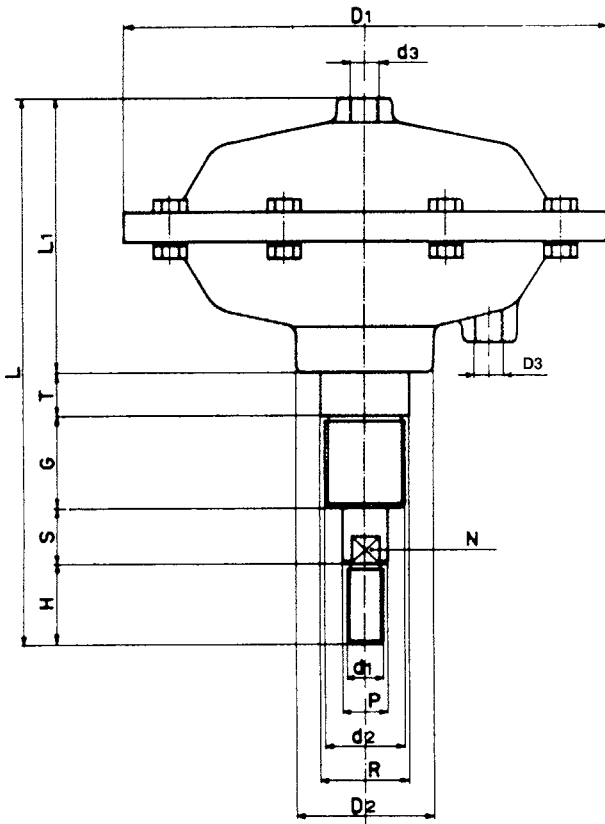
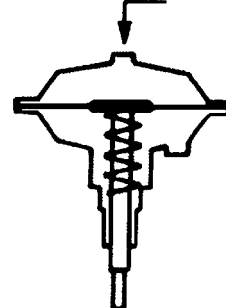
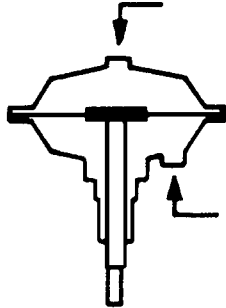
	Single Effect Type	Pushing force at 6 bar pressure	Max - min spring load	Stroke mm.	Weight Kg	pushing-pulling consumption at 6 bar (return spring)
	M 300 S35	330 daN	29 - 9 daN	35	2	2,3 NI
	M 600 S45	825 daN	65 - 9 daN	45	5	5,9 NI
	M 1200 S45	1368 daN	132 - 34 daN	45	10	11,4 NI

DIMENSION

Linear Diaphragm Actuators

M 300 D35 - M 600 D45 - M 1200 D45

M 300 S35 - M 600 S45 - M 1200 S45



* Upon request

TYPE	D1	D2	D3	D1 Ø mm	D2 Ø mm	G mm	H mm	L mm	L1 mm	N ch mm	P Ø mm	R Ø mm	S mm	T mm
M 300 D35	M 12 *(M12x1,25)	M 24x2	1/4"	154	46	38	30	204	100	13	16	30	16	20
M 600 D45	M16 *(M16x1,5)	M26x3	1/4"	217	62	38	35	228	119	17	20	40	16	20
M 1200 D45	M20 *(M20x1,5)	M36x3	1/2"	270	94	45	40	273	145	21	25	40	23	20
M 300 S35	M12 *(M12x1,25)	M24x2	1/4"	154	46	38	30	244	140	13	16	30	16	20
M 600 S45	M16 *(M16x1,5)	M36x3	1/4"	217	62	38	35	278	169	17	20	40	16	20
M 1200 S45	M16 *(M20x1,5)	M36x3	1/4"	270	94	45	40	328	200	21	25	40	23	20

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