

Data sheet

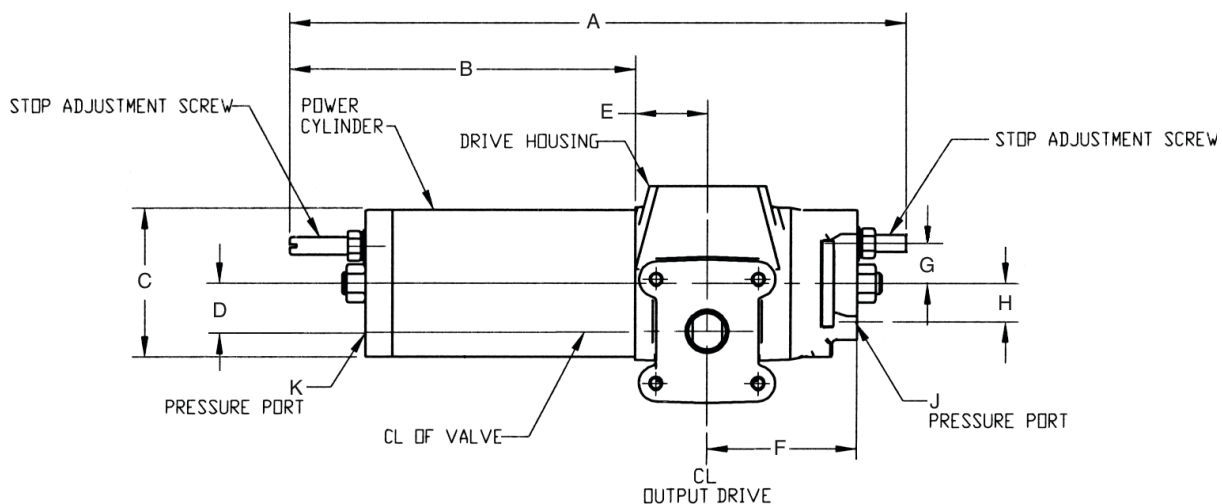
Sheet No.: CBPM 3.01 Rev. D

Date: April 2018

CBB-Series

Dimensions – (Pneumatic) mm.

Double-Acting Actuators CBBXXX



Actuator Model	A	B	C	D	E	F	G	H	J/K	L	M	N
CBB315	359.8	187.5	82.6	25.4	47.8	87.9	23.9	23.9	1/4" NPT	.313-18 UNC	9.7	57.2
CBB420	417.3	217.6	108.0	36.6	54.1	111.0	27.9	27.9	3/8" NPT	.375-16 UNC	12.7	76.2
CBB520	418.1	219.2	136.7	36.6	52.5	111.0	27.9	27.9	3/8" NPT	.375-16 UNC	12.7	76.2
CBB525	488.1	250.9	136.7	36.6	65.0	127.0	31.8	31.8	3/8" NPT	.500-13 UNC	12.7	88.9
CBB725	492.7	260.1	190.5	44.5	64.2	127.0	31.8	31.8	3/8" NPT	.500-13 UNC	12.7	88.9

Actuator Model	P	Q	R	S	T	U	V	W	X	Y	Z	AA
CBB315	.313-18 UNC	28.6	73.8	147.6	19.1	56.4	131.5	15.59 15.75	26.2	95.3	27.8	22.15 22.25
CBB420	.375-16 UNC	38.1	85.1	169.9	19.1	71.4	158.9	21.94 22.10	26.2	117.5	35.1	28.5 28.6
CBB520	.375-16 UNC	38.1	85.1	169.9	19.1	71.4	158.9	21.94 22.10	26.2	117.5	35.1	28.5 28.6
CBB525	.500-13 UNC	44.5	111.1	222.3	28.4	88.9	192.6	28.32 28.48	38.1	146.1	42.9	38.02 38.12
CBB725	.500-13 UNC	44.5	111.1	222.3	28.4	88.9	192.6	28.32 28.48	38.1	146.1	42.9	38.02 38.12

Note: Not Certified dimensional drawings. Such drawings available on request.

Contact factory with correct model designation and serial number.

All dimensions are expressed in millimeters.

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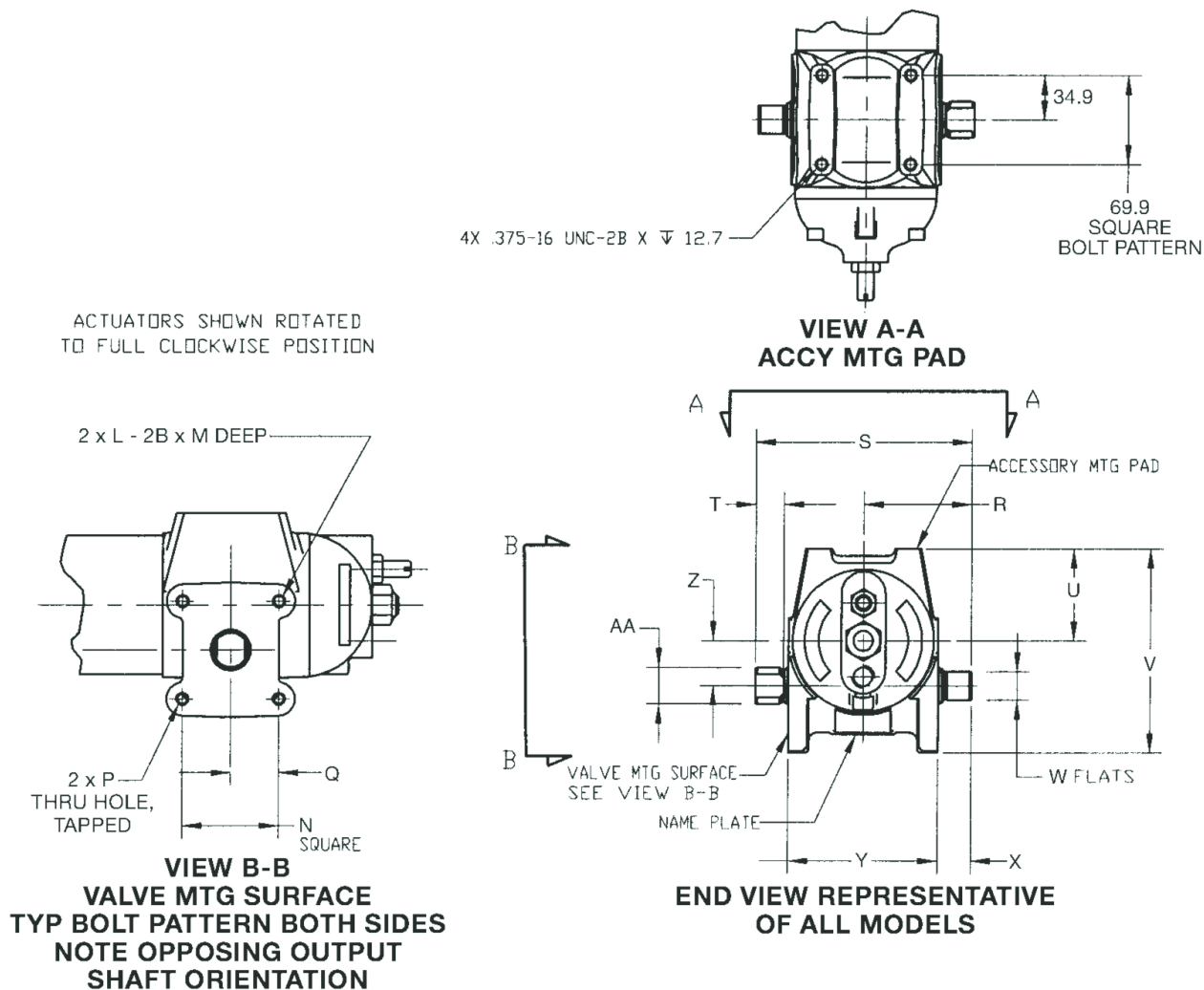
Sheet No.: CBPM 3.02 Rev. D

Date: April 2018

CBB-Series

Dimensions – (Pneumatic) mm.

Double-Acting Actuators CBBXXX (cont.)



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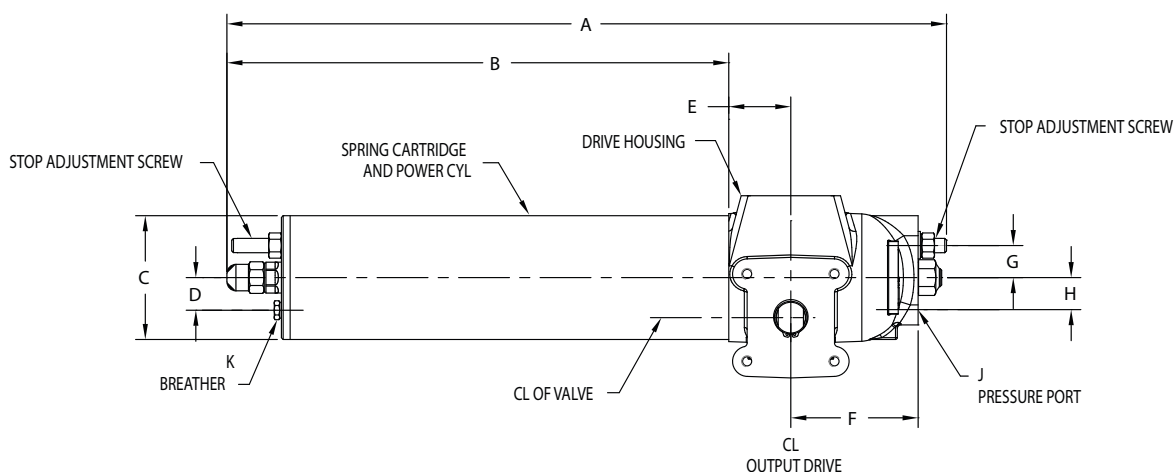
Sheet No.: CBPM 3.03 Rev. D

Date: April 2018

CBB-Series

Dimensions – (Pneumatic) mm.

Spring-Return Actuators CBB XXX-SRX



Actuator Model	A	B	C	D	E	F	G	H	J/K	L
CBB315-SRX	528.4	365.8	82.6	23.9	47.8	87.9	23.8	23.9	1/4" NPT	.313-18 UNC
CBB415-SRX	532.1	367.2	108.0	28.4	47.8	87.9	23.8	23.9	1/4" NPT	.313-18 UNC
CBB420-SRX	627.5	437.6	108.0	28.4	54.1	111.0	27.9	27.9	3/8" NPT	.375-16 UNC
CBB520-SRX	631.9	442.9	136.7	31.8	52.5	111.0	27.9	27.9	3/8" NPT	.375-16 UNC
CBB525-SRX	716.6	491.5	136.7	31.8	65.0	127.0	31.8	31.8	3/8" NPT	.500-13 UNC
CBB725-SRX	713.6	493.2	190.5	63.5	64.2	127.0	31.8	31.8	3/8" NPT	.500-13 UNC

Actuator Model	M	N	P	Q	R	S	T	U	V	W	X	Y	Z	AA
CBB315-SRX	9.7	57.2	.313-18 UNC	28.6	73.8	147.6	19.1	56.4	131.5	15.6 15.73	26.2	95.3	27.8	22.15 22.25
CBB415-SRX	9.7	57.2	.313 -18 UNC	28.6	73.8	147.6	19.1	56.4	131.5	15.59 15.75	26.2	95.3	27.8	22.12 22.22
CBB420-SRX	12.7	76.2	.375 -16 UNC	38.1	85.1	169.9	19.1	71.4	158.9	22.09 21.09	26.2	117.5	35.1	28.5 28.6
CBB520-SRX	12.7	76.2	.375 -16 UNC	38.1	85.1	169.9	19.1	71.4	158.9	22.09 21.09	26.2	117.5	35.1	28.5 28.6
CBB525-SRX	12.7	88.9	.500 -13 UNC	44.5	111.1	222.3	28.4	88.9	192.6	28.33 24.47	38.1	146.1	42.9	38.02 38.12
CBB725-SRX	12.7	88.9	.500 -13 UNC	44.5	111.1	222.3	28.4	88.9	192.6	28.32 28.48	38.1	146.1	42.9	38.02 38.12

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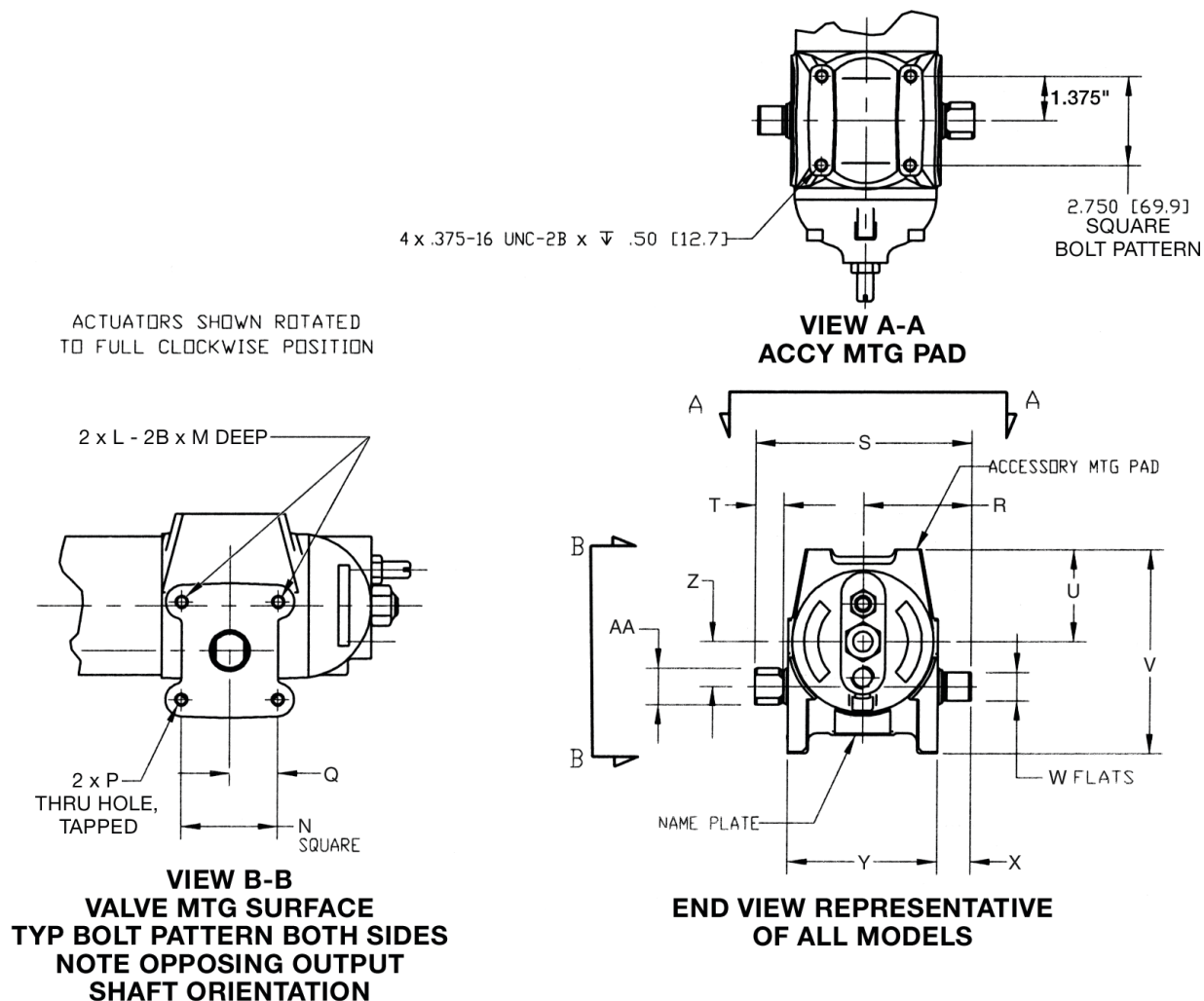
Sheet No.: CBPM 3.04 Rev. D

Date: April 2018

CBB-Series

Dimensions – (Pneumatic) mm.

Spring-Return Actuators CBB XXX-SRX (cont.)



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Sheet No.: CBPM 3.05 Rev. D

Date: April 2018

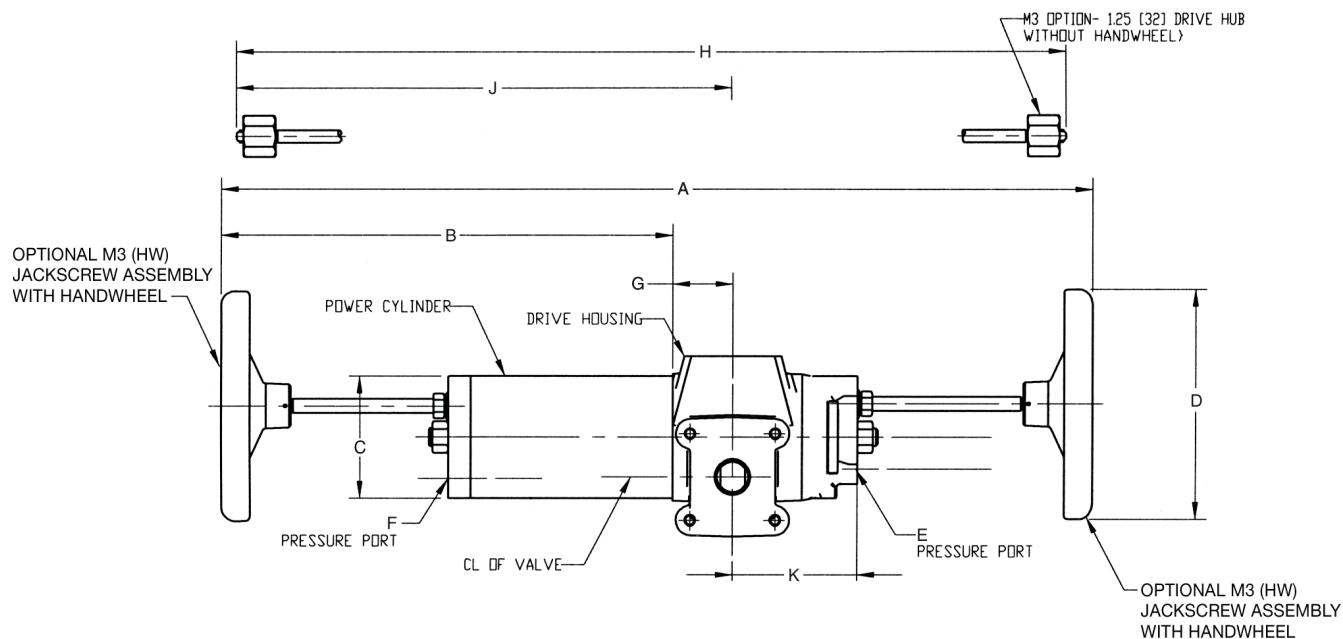
CBB-Series

Dimensions – (Pneumatic) mm.

M3(HW) Override

Double-Acting Actuators

CBB XXX-M3(HW)



Actuator Model	A	B	C	D	E	F	G	H	J	K
CBB315-M3HW	666.8	350.3	82.6	152.4	1/4" NPT	1/4" NPT	47.8	639.6	384.3	87.9
CBB420-M3HW	792.5	410.2	108.0	203.2	3/8" NPT	3/8" NPT	54.1	741.9	438.9	111.0
CBB520-M3HW	792.5	411.7	136.7	203.2	3/8" NPT	3/8" NPT	52.5	741.9	438.9	111.0
CBB525-M3HW	945.6	493.8	136.7	254.0	3/8" NPT	3/8" NPT	65.0	861.1	510.0	127.0
CBB725-M3HW	945.6	494.5	190.5	254.0	3/8" NPT	3/8" NPT	64.2	880.1	526.0	127.0

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Date: April 2018

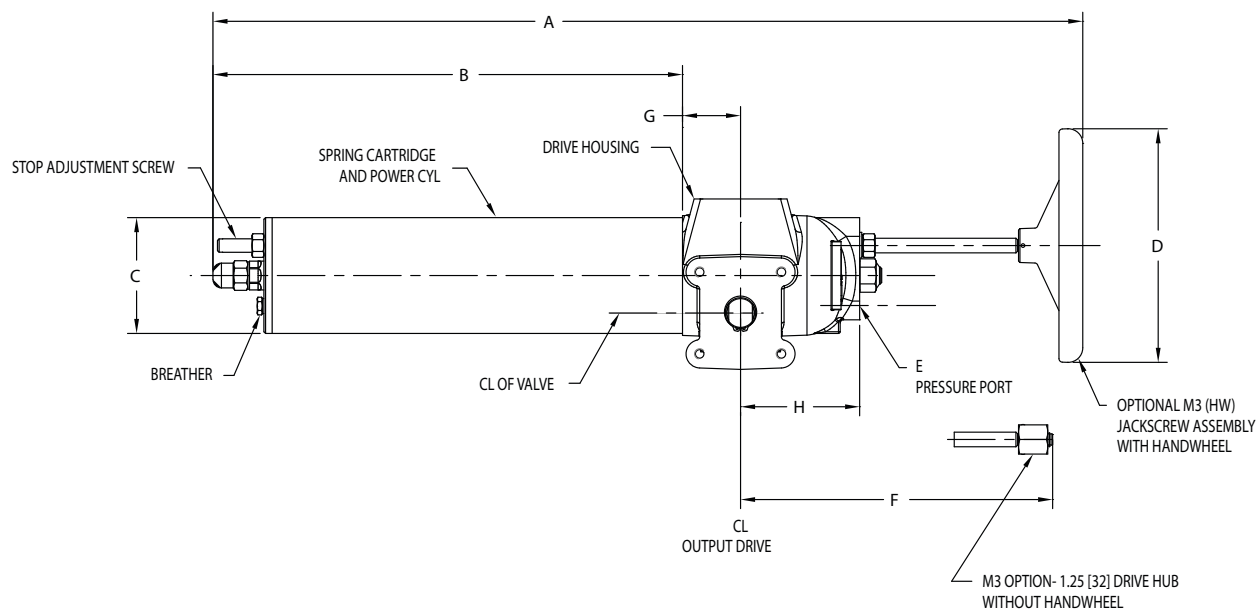
CBB-Series

Dimensions – (Pneumatic) mm.

M3(HW) Override

Spring-Return Actuators

CBB XXX-SRX-M3



Actuator Model	A	B	C	D	E	F	G	H
CBB315-SR-M3HW	682.5	365.8	82.6	152.4	1/4" NPT	255.3	47.8	87.9
CBB415-SR-M3HW	683.9	367.2	108.0	152.4	1/4" NPT	255.3	47.8	87.9
CBB420-SR-M3HW	820.0	437.6	108.0	203.2	3/8" NPT	303.0	54.1	111.0
CBB520-SR-M3HW	823.7	442.9	136.7	203.2	3/8" NPT	303.0	52.5	111.0
CBB525-SR-M3HW	943.4	491.6	136.7	254.0	3/8" NPT	354.1	65.0	127.0
CBB725-SR-M3HW	944.1	493.2	190.5	254.0	3/8" NPT	354.1	64.2	127.0

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