

# MAXITROL<sup>®</sup> company

## spring selection chart

BULLETIN MP-2012-12/03



NOTE: Approx. I.D. = Inner diameter

NOTE: Spring free length is given as an aid to identification only. Variations of  $\pm 1/2"$ , although unlikely, can occur. This variation will not effect the spring range.

Model Number	Part Number	Color Code	Outlet Pressure	Approx I.D.	Approx Length
<b>ADJUSTABLE MODELS:</b>					
			<b>INCHES W.C.</b>	<b>INCHES</b>	<b>INCHES</b>
RV12L	R1210T-13 R1210T-35* R1210T-48 R1210T-610 R1210T-812	Brown Plated Orange Red Blue	1.0 to 3.5 2.8 to 5.2 4.0 to 8.0 6.0 to 10 8.0 to 12	3/8	9/16 3/4 3/4 7/8 1
RV20L	R2010-13 R2010-35* R2010-48 R2010-610 R2010-812 R2010-912	Brown Plated Orange Red Blue Plated	1.0 to 3.5 2.8 to 5.2 4.0 to 8 6.0 to 10 8.0 to 12 9.0 to 12	7/16	13/16 1-1/16 15/16 1 1/18 1-9/16
RV20LT	R2010T-35* R2010T-48 R2010T-610 R2010T-812	Plated Orange Red Blue	2.8 to 5.2 4.0 to 8.0 6.0 to 10 8.0 to 12	7/16	1-1/16 15/16 1 1-1/8
RV47AD RV47AL	R4710-4 R4710-5 R4710-6 R4710-10	Black Green Red Blue	3.8 to 4.3 4.7 to 5.3 5.6 to 6.4 9.7 to 11.3	9/16	1-3/4 1-13/16 1-13/16 1-11/16
RV47D RV47L	R4710-13 R4710-35* R4710-48 R4710-412 R4710-610 R4710-812	Brown Plated Orange Violet Red Blue	1.0 to 3.5 2.8 to 5.2 4.0 to 8.0 4.0 to 12 6.0 to 10 8.0 to 12	9/16	7/8 1-1/4 1-5/16 1-1/16 1-7/16 1-1/2
RV48	R4810-13 R4810-36* R4810-48 R4810-610 R4810-512	Brown Plated Orange Red Blue	1.0 to 3.5 3.0 to 6.0 4.0 to 8.0 6.0 to 10 5.0 to 12	9/16	15/16 1-3/16 1-1/8 1-1/2 1-3/16
RV48T	R4810T-36* R4810T-48 R4810T-512 R4810T-610	S Steel Orange Blue Red	3.0 to 6.0 4.0 to 8.0 5.0 to 12 6.0 to 10	9/16	1-3/16 1-1/8 1-3/16 1-1/2
R400 R400S	R400B10-13 R400B10-25 R400B10-36* R400B10-38 R400B10-412 R400B10-512 R400B10-1022	Brown Plated Plated Pink Violet Blue Red	1.0 to 3.5 2.0 to 5.0 3.0 to 6.0 3.0 to 8.0 4.0 to 12 5.0 to 12 10 to 22	3/8	1-1/4 1-9/16 2 1-9/16 1-1/2 1-7/8 1-3/4

\*Standard Spring

Model Number	Part Number	Color Code	Outlet Pressure	Approx I.D.	Approx. Length
<b>ADJUSTABLE MODELS:</b>					
			<b>INCHES W.C.</b>	<b>INCHES</b>	<b>INCHES</b>
RV52 R500 R500S	R5210-13 R5210-25 R5210-36* R5210-38 R5210-48 R5210-412 R5210-512	Brown Plated Plated Pink Orange Violet Blue	1.0 to 3.5 2.0 to 5.0 3.0 to 6.0 3.0 to 8.0 4.0 to 8.0 4.0 to 12 5.0 to 12	9/16	2 2-9/16 2-7/8 2-9/16 3-1/8 2-1/2 2-15/16
R500 R500S	R5210-1022	Red	10 to 22	9/16	2-13/16
RV53 R600 R600S	R5310-13 R5310-25 R5310-36* R5310-38 R5310-48 R5310-412 R5310-512	Brown Plated Plated Pink Orange Violet Blue	1.0 to 3.5 2.0 to 5.0 3.0 to 6.0 3.0 to 8.0 4.0 to 8.0 4.0 to 12 5.0 to 12	5/8	2-5/8 2-15/16 3-3/8 3-1/16 3-5/8 3-1/6 3-7/16
RV600 R600S	R5310-1022 R5310-1530	Red Yellow	10 to 22 15 to 30	5/8	3-1/4 3-1/2
RV61	R6110-13 R6110-25 R6110-36* R6110-38 R6110-48 R6110-512 R6100-1022	Brown Plated Plated Pink Orange Blue Red	1.0 to 3.5 2.0 to 5.0 3.0 to 6.0 3.0 to 8.0 4.0 to 8.0 5.0 to 12 10 to 22	3/4	2-5/8 3-1/4 3-1/2 3-1/8 3-9/16 3-9/16 3-1/2
RV81 210D	R8110-13 R8110-25 R8110-36* R8110-38 R8110-48 R8110-412 R8110-512 R8110-515 R8110-1022	Brown Plated Plated Pink Orange Violet Blue Green Red	1.0 to 3.5 2.0 to 5.0 3.0 to 6.0 3.0 to 8.0 4.0 to 8.0 4.0 to 12 5.0 to 12 5.0 to 15 10 to 22	7/8	3-1/8 3-13/16 4-5/16 3-7/8 4-1/2 3-3/4 4-1/16 3-3/4 4-5/16
210D	R8110-1530 R8110-2042	Yellow Black	15 to 30 20 to 42	7/8	4-1/2 4-5/16
RV91 210E	R9110-13 R9110-25 R9110-36* R9110-38 R9110-48 R9110-412 R9110-512 R9110-515 R9110-1022	Brown Plated Plated Pink Orange Violet Blue Green Red	1.0 to 3.5 2.0 to 5.0 3.0 to 6.0 3.0 to 8.0 4.0 to 8.0 4.0 to 12 5.0 to 12 5.0 to 15 10 to 22	1-1/8	4 4-15/16 5-3/4 5-1/16 5-15/16 5-1/16 5-1/2 5-1/8 5-5/8
210E	R9110-1530 R9110-2042	Yellow Black	15 to 30 20 to 42	1-1/8	5-7/8 5-3/4

**CAUTION:** Operation of combustion equipment can be hazardous resulting in bodily injury or equipment damage. Each burner should be supervised by a combustion safeguard and only qualified personnel should install, make system adjustments and perform any required service.



**ORDAN THERMAL PRODUCTS LTD**  
**Combustion Equipment & Controls for Industry**  
 21 Amber St # 9, Markham Ontario Canada L3R 4Z3  
 Tel: (905) 475-9292 Fax: (905) 475-3286  
[www.ordanthermal.com](http://www.ordanthermal.com)

NOTICE: Maxitrol practices a policy of continuous improvement in the design of its products. It reserves the right to change the specifications at any time without prior notice.

Model Number	Part Number	Color Code	Outlet Pressure	Approx I.D.	Approx Length
<b>ADJUSTABLE MODELS:</b>			<b>INCHES W.C.</b>	<b>INCHES</b>	<b>INCHES</b>
RV111 210G	R11110-13 R11110-25 R11110-36* R11110-38 R11110-48 R11110-412 R11110-512 R11110-515 R11110-1022	Brown Plated Pink Orange Violet Blue Green Red	1.0 to 3.5 2.0 to 5.0 3.0 to 6.0 3.0 to 8.0 4.0 to 8.0 4.0 to 12 5.0 to 12 5.0 to 15 10 to 22	1-1/2	6-1/8 7-1/6 8-5/16 7-3/8 8-3/8 7-3/8 8-1/8 7-1/16 8-1/8
210G	R11110-1530 R11110-2042	Yellow Black	15 to 30 20 to 42	1-1/2	8-7/16 8-1/4
RV131 210J	R13110-25 R13110-36* R13110-38 R13110-412 R13110-512 R13110-1022 R13110-1530 R13110-2042	Plated Plated Pink Violet Blue Red Yellow Black	2.0 to 5.0 3.0 to 6.0 3.0 to 8.0 4.0 to 12 5.0 to 12 10 to 22 15 to 30 20 to 42	2-1/8	9-1/6 11-3/4 10-1/8 9-7/8 11-5/8 11-1/2 11-11/16 11-1/4
220D, E, G & J	R325C10-1022 R325C10-1530	Tagged Tagged	1 psi-3 psi 2 psi-5 psi	5/8	2-1/8 2-5/16
325-3	R325C10-26 R325C10-59 R325C10-412* R325C10-711 R325C10-1022 R325C10-1530 R325C10-P12	Plated Plated Violet White Red Yellow Tagged	2.0 to 6.0 5.0 to 9.0 4.0 to 12 7.0 to 11 10 to 22 15 to 30 20 to 42	5/8	1-3/4 2-5/16 1-3/4 2-5/8 2-1/8 2-5/16 2-5/16
325-5A	R325E10-26A R325E10-59A R325E10-412A* R325E10-711A R325E10-1022A R325E10-1530A R325E10-P12A	Plated Plated Violet White Red Yellow Tagged	2.0 to 6.0 5.0 to 9.0 4.0 to 12 7.0 to 11 10 to 22 15 to 30 1 psi-2 psi	3/4	2-7/8 4-3/16 3-1/8 4 3-9/16 3-5/8 3-3/4
325-7	R8110-25 R8110-412* R8110-1022 R8110-1530 R8110-2042	Plated Violet Red Yellow Black	2.0 to 5.0 4.0 to 12 10 to 22 15 to 30 20 to 42	7/8	3-13/16 3-3/4 4-5/16 4-1/2 4-5/16

\*Standard Spring

Model Number	Part Number	How Used	Color Code	Approx I.D.	Approx Length
<b>ZERO GOVERNOR MODELS</b>				<b>INCHES</b>	<b>INCHES</b>
R400SZ	R400B10-13 R400B10Z	Regulate Counter	Brown Plated	3/8 1/2	1-1/4 3/4
R500SZ	R5210-13 R500B10Z	Regulate Counter	Brown Plated	9/16 7/16	2 2
R600SZ	R5310-13 R600B10Z	Regulate Counter	Brown Plated	5/8 5/8	2-5/8 2-5/8
210DZ	R8110-13 R210D10Z	Regulate Counter	Brown Plated	7/8 1	3-1/8 3-3/8
210EZ	R9110-13 R210E10Z	Regulate Counter	Brown Plated	1-1/8 1-7/16	4 4-3/4
210GZ	R11110-13 R210G10Z	Regulate Counter	Brown Plated	1-1/2 2-1/16	6-1/8 6-3/4
210JZ	R13110-25 R210J10Z	Regulate Counter	Brown Plated	2-1/8 2-7/8	9-1/16 9-1/4

Model Number	Part Number	Max Min	Color Code	Outlet Pressure	Approx. I.D.	Approx. Length
<b>ADJUSTABLE MODELS:</b>				<b>INCHES W.C.</b>	<b>INCHES</b>	<b>INCHES</b>
MR410 SR400	SR400B10H MR410B10L	Max Min	S Steel Plated	3.0 to 5.0 0.3 to 1.2	5/16 1-1/16	1-5/16 7/8
	SR400B10H-1 MR410B10L	Max Min	White Plated	2.5 to 3.5 0.3 to 1.2		1 7/8
	SR400B10H MR410B10L-1	Max Min	S Steel Blue	4.0 to 6.0 1.0 to 2.8		1-5/16 1-1/16
	SR400B10H-1 MR410B10L-1	Max Min	White Blue	3.0 to 5.0 1.0 to 2.8		1 1-1/16
	SR400B10L-4	Min	Black	2.5 to 4.0		1-3/16
SR400-2**	SR400B10H-2	Max	Blue	7.5 to 12.0	5/16	1-1/2
M450	SR400B10L-4	Min	Black	2.5 to 4.0	1-1/16	1-3/16
MR510 SR500	SR500B10H MR510B10L	Max Min	S Steel Plated	3.0 to 5.0 0.3 to 1.2	7/16 1-5/8	1-9/16 1-1/16
	SR500B10H-1 MR510B10L	Max Min	White Plated	1.5 to 3.5 0.3 to 1.2		1-1/16 1-1/16
	SR500B10H MR510B10L-1	Max Min	S Steel Plated	3.5 to 6.0 1.0 to 2.8		1-9/16 1-1/4
	SR500B10H-1 MR510B10L-1	Max Min	White Blue	2.0 to 4.5 1.0 to 2.8		1-1/16 1-1/4
SR500-2**	SR500B10L-2	Max	Black	7.5 to 12.0	7/16	2-1/4
M550	MR510B10L MR510B10L-1	Min Min	S Steel Blue	0.3 to 7.2 1.0 to 2.8	7/16	1-1/16 1-1/4
MR610 SR600	SR600B10H MR610B10L	Max Min	S Steel Plated	3.0 to 5.0 0.3 to 1.2	5/8 2-1/8	2 1-9/16
	SR600B10H-1 MR610B10L	Max Min	White Plated	2.5 to 4.0 0.3 to 1.2		1-1/2 1-9/16
	SR600B10H MR610B10L-1	Max Min	S Steel Plated	4.0 to 6.0 1.0 to 2.8		2 1-13/16
	SR600B10H-1 MR610B10L-1	Max Min	White Blue	3.0 to 5.5 1.0 to 2.8		1-1/2 1-13/16
M650	MR610B10L MR610B10L-1	Min Min	Plated Blue	0.3 to 1.2 0.2 to 2.0	2-1/8 2-1/8	1-9/16 1-13/16

\*\* L.P. - May be used with any minimum spring

CAUTION: Operation of combustion equipment can be hazardous resulting in bodily injury or equipment damage. Each burner should be supervised by a combustion safeguard and only qualified personnel should install, make system adjustments and perform any required service.



**ORDAN THERMAL PRODUCTS LTD**  
**Combustion Equipment & Controls for Industry**  
 21 Amber St # 9, Markham Ontario Canada L3R 4Z3  
 Tel: (905) 475-9292 Fax: (905) 475-3286  
[www.ordanthermal.com](http://www.ordanthermal.com)

NOTICE: Maxitrol practices a policy of continuous improvement in the design of its products. It reserves the right to change the specifications at any time without prior notice.