

## Appendix 3. The VYRSA Sprinklers

1. VYRSA mod VYR-60 Sprinkler – radius 12-18 m Two nozzle version has two trajectories – 12 deg and 24 deg.



### ***VYRSA Model VYR-60 Impact Sprinkler***

#### ***Application:***

The sprinkler VYR-60 is a part circle agricultural sprinkler, made of brass and a 3/4" Male connection.

This sprinkler is designed to work under a flow range between 13 and 55 l/min, at pressures between 175 and 500 KPA and cover a range of between 24 and 36 meters in diameter. The sprinkler VYR-60 can work with one or two nozzles. The main nozzle has a 24° trajectory and the secondary 12°.

The average time of rotation comes to be approximately 30sec.

#### ***Features:***

- Brass Sprinkler
- 20mm Male Thread
- Part Circle (can be adjusted to full circle)
- Dual Nozzle
- 24° Main Nozzle Trajectory
- 12° Secondary Nozzle



#### ***Equivalent To:***

- NAAN 233PC
- Toro Model 2FP
- Toro TR2

#### ***Performance Chart:***

- Refer to 2<sup>nd</sup> page

MODELS	CODE
20mm Impact Sprinkler Part Circle Brass Dual Nozzle	VYR-60

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# PRODUCT SPECIFICATION



VYR-60 - Single Nozzle										
	5/32" - 4mm		11/64" - 4.4mm		3/16" - 4.8mm		13/64" - 5.2mm		7/32" - 5.6mm	
KPA	LPM	RAD (M)	LPM	RAD (M)	LPM	RAD (M)	LPM	RAD (M)	LPM	RAD (M)
180	13.2	12.2	<b>16.3</b>	<b>12.5</b>	18.9	12.8	22.0	13.1	26.1	13.4
210	14.8	12.5	<b>17.8</b>	<b>12.8</b>	20.8	13.1	24.2	13.4	28.8	13.7
250	15.9	12.8	<b>19.3</b>	<b>13.1</b>	22.7	13.4	26.1	13.7	31.4	14.0
280	17.0	13.1	<b>20.4</b>	<b>13.4</b>	24.2	13.7	28.0	14.0	33.7	14.3
320	18.3	13.4	<b>21.6</b>	<b>13.7</b>	25.7	14.0	29.9	14.3	35.6	14.6
350	19.3	13.7	<b>22.7</b>	<b>14.0</b>	27.3	14.3	31.8	14.3	37.5	14.9
390	20.1	13.7	<b>23.8</b>	<b>14.3</b>	28.4	14.3	33.3	14.6	40.0	14.9
420	20.8	14.0	<b>24.6</b>	<b>14.3</b>	29.5	14.6	34.8	14.9	40.5	15.3

VYR-60 - Dual Nozzle												
	9/64"- 3/32"		5/32" - 3/32"		11/64" - 3/32"		3/16" - 1/8"		13/64" - 1/8"		7/32" - 1/8"	
	3.6mm - 2.4mm		4.0mm - 2.4mm		4.4mm - 2.4mm		4.8mm - 3.2mm		5.2mm - 3.2mm		5.6mm - 3.2mm	
KPA	LPM	RAD (M)	LPM	RAD (M)	LPM	RAD (M)	LPM	RAD (M)	LPM	RAD (M)	LPM	RAD (M)
180	15.3	13.0	18.3	13.8	<b>20.8</b>	<b>14.5</b>	28.0	14.7	31.3	15.1	35.0	15.3
210	16.6	13.3	20.0	14.2	<b>23.0</b>	<b>14.8</b>	30.8	15.0	34.7	15.4	38.7	15.9
250	18.1	13.6	21.6	14.5	<b>24.8</b>	<b>15.1</b>	33.3	15.3	37.7	15.9	42.0	16.2
320	20.8	14.1	24.5	15.0	<b>28.1</b>	<b>15.6</b>	38.2	15.9	42.8	16.3	48.0	17.1
350	22.1	14.2	25.8	15.1	<b>29.8</b>	<b>15.7</b>	40.2	16.0	45.0	16.6	50.3	17.5
420	24.0	14.5	28.3	15.4	<b>32.5</b>	<b>16.0</b>	43.8	16.3	49.2	17.1	54.5	18.1

operation within the grey area is not recommended  
**standard nozzle configuration**

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