

# OCMIS

we irrigate the world

## WHY OCMIS?

We realize you have a choice when it comes to traveler manufacturers and which brand to buy. We have chosen to represent OCMIS for several reasons that we know are important to you:

- OCMIS is the largest manufacturer in the world of hard hose travelers and rose to number one due to their superior quality, performance and features.
- OCMIS has a large network of dealers who buy direct from the factory in Italy and therefore have a competitive pricing advantage.
- OCMIS was the first to develop and patent the Vario Rain turbine/gearbox which is the most efficient turbine and gearbox on the market.
- OCMIS has a parts and technical service depot centrally located outside of Oklahoma City, OK, Knutson Irrigation Design (KID) which inventories parts to support your machines. KID is also the exclusive U.S. MicroRain distributor. (800-373-9325)
- OCMIS has over 40 years of proven experience in the industry, manufactures the complete machine, is financially sound and has been present in this market for over 22 years.
- OCMIS offers a galvanized chassis and gun cart as standard on their complete line of travelers. No one makes a broader range of sizes than OCMIS ranging from 1" to 5" i.d. and from 300' to 2500' in length.
- OCMIS is ISO 9001 certified - an international standard for quality and productivity.



**No One Sells More Travelers**



**Pumps**



**Low Pressure Booms**

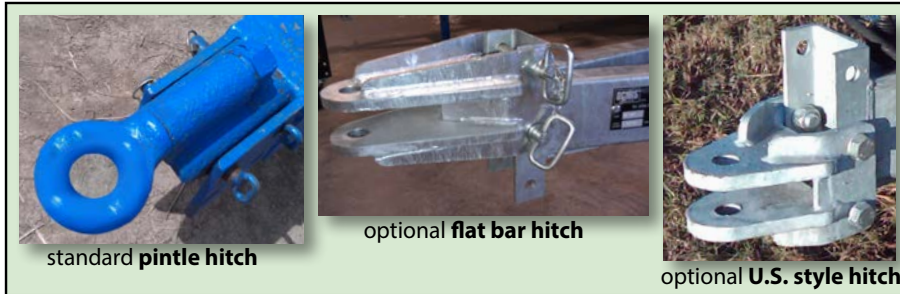
up to 220' irrigated width



**Micro Rain**



**Squatters**



standard **pintle hitch**

optional **flat bar hitch**

optional **U.S. style hitch**



Standard **supply hose**

Optional lay-flat **supply hose**

Optional **supply hose caddy**

Hydraulic options available *on all machines* using tractor hydraulics

3 hydraulic options:

- turntable
- stabilizer legs/cart lift
- tongue jack

**R-SERIES GEARBOX- DIRECT DRIVE (NO BELTS)**

Maximize water flow to your gun

multiple speed gearbox

adjust turbine speed

Tachometer is standard on R2/1 and above

Standard hydraulic hand-crank stabilizer legs/cart-lift (optional for model R2/2 and smaller)

**OCNIS R Series-- Common Sizes & Specs**



**Model R1/1**  
 75 x 250 (2.5" i.d. x 820')  
*common upgrades*

- upgrade tires and cart tires
- U.S. style hitch
- 20' supply hose
- tachometer
- galvanized reel
- hydraulic hand-crank stabilizers

Nozzle Size: 16/18/20		4-5 acres/run		1" application	
GPM	Inlet PSI	Sprinkler PSI	80% width		
90	90	65	195'		
120	110	73	215'		
140	112	65	215'		
178	140	73	235'		



**Model R2**  
 90 x 220 (3" i.d. x 722')  
*common upgrades*

- upgrade tires and cart tires
- U.S. style hitch
- 20' supply hose
- tachometer
- galvanized reel
- hydraulic hand-crank stabilizers

Nozzle Size: 24/26/28		4.5-5 acres/run		1" application	
GPM	Inlet PSI	Sprinkler PSI	80% width		
160	85	60	215'		
215	110	70	250'		
250	120	70	270'		
350	160	75	300'		

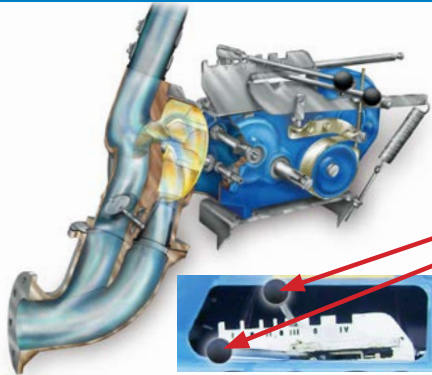


**Model R2/1**  
 90 x 350 (3" i.d. x 1150')  
 or 90 x 300 (3" i.d. x 984')  
*common upgrades*

- upgrade tires and cart tires
- U.S. style hitch
- 20' supply hose
- galvanized reel
- hydraulic hand-crank stabilizers

Nozzle Size: 24/26/28		5.5-7 acres/run		1" application	
GPM	Inlet PSI	Sprinkler PSI	80% width		
170	107	65	230'		
200	118	65	241'		
237	133	65	252'		
275	150	65	262'		

## Top 5 Advantages to the Vario Rain



- 1 - The most efficient turbine on the market-- requiring less water and pressure to run gearbox, allowing more water and pressure to flow through to the gun.
- 2 - No back-stop (no anti-reverse pawl) - middle position of gear lever is for transport (locks down drum). No backlash when changing speeds.
- 3 - Impossible to break gearbox by winding up hose with PTO driveline - gear shift must be in correct position otherwise reel will not turn.
- 4 - You can always see what speed you are in:  
**UPPER LEVER** - Variable speeds: 1-2-3-4  
**LOWER LEVER** - Left position: hose/cart pull-out (& PTO wind-up)  
 Center position: drum lock down (for transport)  
 Right position: working position
- 5 - If a rock locks up the impeller you can reverse the impeller (turning the outlet shaft next to turbine), release the rock without having to open up the turbine.

## DCMIS Vario Rain Series-- Common Sizes & Specs -State of the art variable speed gearbox and turbine.

	<p><b>Model VR3</b>                      100 x 340 (3.3" i.d. x 1116')  <i>common upgrades</i></p> <ul style="list-style-type: none"> <li>• upgrade tires and cart tires</li> <li>• 1 hydraulic lever (off tractor)  <i>(stabilizer legs/guncart lift)</i></li> <li>• U.S. style hitch</li> <li>• 20' supply hose</li> </ul>	<p><b>Nozzle Size: 26/28/30</b> 7-8 acres/run <small>1" application</small></p> <table border="1"> <thead> <tr> <th>GPM</th> <th>Inlet PSI</th> <th>Sprinkler PSI</th> <th>80% width</th> </tr> </thead> <tbody> <tr> <td>202</td> <td>101</td> <td>65</td> <td>241'</td> </tr> <tr> <td>250</td> <td>121</td> <td>73</td> <td>268'</td> </tr> <tr> <td>290</td> <td>132</td> <td>73</td> <td>273'</td> </tr> <tr> <td>333</td> <td>146</td> <td>73</td> <td>283'</td> </tr> </tbody> </table>	GPM	Inlet PSI	Sprinkler PSI	80% width	202	101	65	241'	250	121	73	268'	290	132	73	273'	333	146	73	283'
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290	132	73	273'																			
333	146	73	283'																			
	<p><b>Model VR4</b>                      110 x 350 (3.7" i.d. x 1148')  <i>common upgrades</i></p> <ul style="list-style-type: none"> <li>• upgrade tires and cart tires</li> <li>• 1 hydraulic lever (off tractor)  <i>(stabilizer legs/guncart lift)</i></li> <li>• U.S. style hitch</li> <li>• 20' supply hose</li> </ul>	<p><b>Nozzle Size: 22/24/26</b> 7-9 acres/run <small>1" application</small></p> <table border="1"> <thead> <tr> <th>GPM</th> <th>Inlet PSI</th> <th>Sprinkler PSI</th> <th>80% width</th> </tr> </thead> <tbody> <tr> <td>250</td> <td>102</td> <td>70</td> <td>268'</td> </tr> <tr> <td>290</td> <td>110</td> <td>70</td> <td>273'</td> </tr> <tr> <td>330</td> <td>120</td> <td>70</td> <td>285'</td> </tr> <tr> <td>400</td> <td>150</td> <td>80</td> <td>300'</td> </tr> </tbody> </table>	GPM	Inlet PSI	Sprinkler PSI	80% width	250	102	70	268'	290	110	70	273'	330	120	70	285'	400	150	80	300'
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250	102	70	268'																			
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330	120	70	285'																			
400	150	80	300'																			
	<p><b>Model VR5 (or VIR5)</b>                      125 x 380 (4.1" i.d. x 1250')                      120 x 400 (3.9" i.d. x 1312')  <i>common upgrades</i></p> <ul style="list-style-type: none"> <li>• upgrade tires and cart tires</li> <li>• 3 hydraulic levers (off tractor)  <i>(stabilizer legs/guncart lift, tongue &amp; turntable)</i></li> <li>• U.S. style hitch</li> <li>• 20' supply hose</li> </ul>	<p><b>Nozzle Size: 26/28/30</b> 9-11 acres/run <small>1" application</small></p> <table border="1"> <thead> <tr> <th>GPM</th> <th>Inlet PSI</th> <th>Sprinkler PSI</th> <th>80% width</th> </tr> </thead> <tbody> <tr> <td>330</td> <td>100</td> <td>70</td> <td>295'</td> </tr> <tr> <td>375</td> <td>110</td> <td>70</td> <td>305'</td> </tr> <tr> <td>430</td> <td>120</td> <td>70</td> <td>310'</td> </tr> <tr> <td>470</td> <td>145</td> <td>85</td> <td>335'</td> </tr> </tbody> </table>	GPM	Inlet PSI	Sprinkler PSI	80% width	330	100	70	295'	375	110	70	305'	430	120	70	310'	470	145	85	335'
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330	100	70	295'																			
375	110	70	305'																			
430	120	70	310'																			
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	<p><b>Model VR6 (or VIR6)</b>                      125 x 400 (4.1" i.d. x 1312')  <i>common upgrades</i></p> <ul style="list-style-type: none"> <li>• upgrade tires(4) and cart tires(5)</li> <li>• 3 hydraulic levers (off tractor)  <i>(stabilizer legs/guncart lift, tongue &amp; turntable)</i></li> <li>• U.S. style hitch</li> <li>• 20' supply hose</li> </ul>	<p><b>Nozzle Size: 32/34/36</b> 9-11 acres/run <small>1" application</small></p> <table border="1"> <thead> <tr> <th>GPM</th> <th>Inlet PSI</th> <th>Sprinkler PSI</th> <th>80% width</th> </tr> </thead> <tbody> <tr> <td>396</td> <td>125</td> <td>80</td> <td>315'</td> </tr> <tr> <td>406</td> <td>112</td> <td>65</td> <td>304'</td> </tr> <tr> <td>448</td> <td>133</td> <td>80</td> <td>324'</td> </tr> <tr> <td>502</td> <td>143</td> <td>87</td> <td>336'</td> </tr> </tbody> </table>	GPM	Inlet PSI	Sprinkler PSI	80% width	396	125	80	315'	406	112	65	304'	448	133	80	324'	502	143	87	336'
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396	125	80	315'																			
406	112	65	304'																			
448	133	80	324'																			
502	143	87	336'																			
	<p><b>Model VR7 (or VIR7)</b>                      135 x 400 (4.4" i.d. x 1312')  <i>common upgrades</i></p> <ul style="list-style-type: none"> <li>• upgrade tires(4) and cart tires(5)</li> <li>• 3 hydraulic levers (off tractor)  <i>(stabilizer legs/guncart lift, tongue &amp; turntable)</i></li> <li>• U.S. style hitch</li> <li>• 20' supply hose</li> </ul>	<p><b>Nozzle Size: 34/36/38</b> 10-12 acres/run <small>1" application</small></p> <table border="1"> <thead> <tr> <th>GPM</th> <th>Inlet PSI</th> <th>Sprinkler PSI</th> <th>80% width</th> </tr> </thead> <tbody> <tr> <td>448</td> <td>125</td> <td>80</td> <td>325'</td> </tr> <tr> <td>502</td> <td>133</td> <td>80</td> <td>336'</td> </tr> <tr> <td>560</td> <td>142</td> <td>80</td> <td>342'</td> </tr> <tr> <td>585</td> <td>153</td> <td>87</td> <td>357'</td> </tr> </tbody> </table>	GPM	Inlet PSI	Sprinkler PSI	80% width	448	125	80	325'	502	133	80	336'	560	142	80	342'	585	153	87	357'
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560	142	80	342'																			
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	<p><b>Model VIR10</b>                      150 x 500 (4.9" i.d. x 1640')  <i>common upgrades</i></p> <ul style="list-style-type: none"> <li>• upgrade chassis tires</li> <li>• 20' supply hose</li> <li>• U.S. style hitch</li> </ul>	<p><b>Nozzle Size: 36/38/40</b> 12-15 acres/run <small>1" application</small></p> <table border="1"> <thead> <tr> <th>GPM</th> <th>Inlet PSI</th> <th>Sprinkler PSI</th> <th>80% width</th> </tr> </thead> <tbody> <tr> <td>502</td> <td>124</td> <td>80</td> <td>336'</td> </tr> <tr> <td>560</td> <td>131</td> <td>80</td> <td>346'</td> </tr> <tr> <td>620</td> <td>140</td> <td>80</td> <td>360'</td> </tr> <tr> <td>680</td> <td>145</td> <td>87</td> <td>370'</td> </tr> </tbody> </table>	GPM	Inlet PSI	Sprinkler PSI	80% width	502	124	80	336'	560	131	80	346'	620	140	80	360'	680	145	87	370'
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VIR8 & VIR9 models available but not listed



OCMIS machines **require less pressure** - this machine is running at 52 psi at the inlet



Optional **Aqua-System computer with solar panel** for perfect speed compensation and time/speed indicator.



Optional **electric motor with solar panel** to run machine hydraulics (no tractor needed)



**Sound-Proof Scova Engine Pump**



OCMIS offers the **offset guncart** option to avoid having the hose drag through your crops. 4-wheel cart is standard on 3" machines and above.



Optional **self-contained engine pump**



Optional **hydraulic Honda engine drive** with 4 levers (reel, stabilizer legs, tongue jack and turntable)



Optional **galvanized reel**



Standard **double side water inlet**



Optional **blow-out compressor** -- cleanse out water in hose in 3 min.



**Squatters** enable your machine base to sit on the ground - greater stability and easier to maneuver with hydraulic levers - OCMIS's bigger machines are all available as squatters (VIR series)



Optional **booster pump**



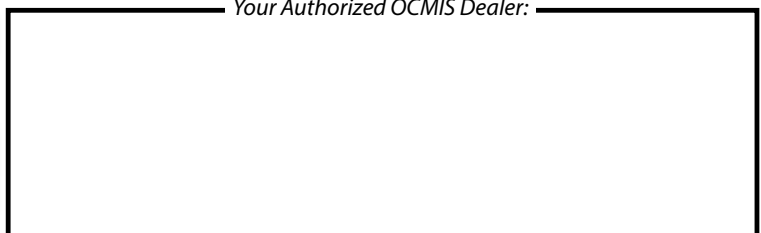
OCMIS features **SIME guns** as standard equipment



OCMIS **low-pressure booms** range from 60'-220' irrigated width-- 85% uniformity.



Your Authorized OCMIS Dealer:



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